

UNITED STATES BANKRUPTCY COURT  
DISTRICT OF MASSACHUSETTS

In re:

TELEXFREE, LLC,  
TELEXFREE, INC.,  
TELEXFREE FINANCIAL, INC.,

Reorganized Debtors.

STEPHEN DARR, CHAPTER 11  
TRUSTEE OF THE ESTATES OF EACH  
OF THE DEBTORS,

Plaintiff,

v.

BENJAMIN ARGUETA, *et al.*, and a  
CLASS OF DOMESTIC NET WINNERS,

Defendants.

STEPHEN DARR, CHAPTER 11  
TRUSTEE OF THE ESTATES OF EACH  
OF THE DEBTORS,

Plaintiff,

v.

PAOLA ZOLLO ALECCI, *et al.*, and a  
CLASS OF INTERNATIONAL NET  
WINNERS,

Defendants.

Chapter 11 Cases

14-40987-EDK

14-40988-EDK

14-40989-EDK

Jointly Administered

Adv. Pro. No.: 16-04006-EDK

Adv. Pro. No.: 16-04007-EDK

AFFIDAVIT OF ILYAS J. RONA



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I, Ilyas J. Rona, do hereby depose and state:

1. I am an attorney licensed to practice law in the Commonwealth of Massachusetts and admitted to the United States District Court for the District of Massachusetts.

2. I have been practicing law for over 20 years.

3. I am a partner at the law firm Milligan Rona Duran & King LLC. My firm and I represent the Domestic Class Representative Frantz Balan and International Class Representatives Marco Puzzarini and Sandro Paulo Freitas (the "Class Defendants") in this action.

4. The following is true and accurate to the best of my knowledge, and if called upon to do so I could testify competently about the facts set forth in this affidavit.

5. On or about April 29, 2022, Dr. Cameron E. Freer submitted his Expert Report in this action. A true and accurate copy of the Expert Report is attached as Exhibit A.

6. On or about April 14, 2023, Joshua W. Dennis submitted his Supplemental Rebuttal Expert Report in this action. A true and accurate copy of the Supplemental Rebuttal Expert Report is attached as Exhibit B. The exhibits to the Supplemental Rebuttal Expert Report are too voluminous to submit via ECF. Class Defendants will submit these exhibits to the Courtroom Deputy electronically.

7. On or about May 22, 2023, Dr. Cameron E. Freer submitted his Reply Report in this action. A true and accurate copy of the Reply Report is attached as Exhibit C.

8. On or about April 4, 2023, the Class Defendants took the deposition of Dr. Cameron E. Freer. A true and accurate copy of the deposition transcript is attached as Exhibit D.

9. On or about July 30, 2020, Domestic Class Representative Frantz Balan executed the Affidavit of Frantz Balan. A true and accurate copy of the Affidavit of Frantz Balan is attached as Exhibit E.

10. On or about July 29, 2020, Lusette Balan executed the Affidavit of Lusette Balan. A true and accurate copy of the Affidavit of Lusette Balan is attached as Exhibit F.

11. On or about April 24, 2023, Rule 702 of the Federal Rules of Evidence was amended. The amendment will go into effect on December 1, 2023. A true and accurate copy of the Amendment to Rule 702 of the Federal Rules of Evidence is attached as Exhibit G.

12. On or about January 4, 2022, the Trustee and the Defendant Class Representatives entered into a Stipulation Respecting the Amended Fee Arrangement for Defendants. A true and accurate copy of the Stipulation is attached as Exhibit H.

13. On or about November 2 and 3, 2021, counsel for the Trustee and Dr. Cameron E. Freer exchanged emails regarding various matters, including the Net

Equity Calculation by Huron Consulting Group. A true and accurate copy of the email exchange is attached as Exhibit I.

14. On or about September 20, 2018, Ted Enamorado published the article Active Learning for Probabilistic Record Linkage. A true and accurate copy of the article is attached as Exhibit J.

15. On or about February 6, 2014, Louis A. Morales filed a Certificate of Organization for Telex Services LLC with the Massachusetts Secretary of State's Office. A true and accurate copy of the Certificate of Organization is attached as Exhibit K.

16. On or about April 6, 2012, Issue Number 402 of El Planeta was published, which included an advertisement for Lopesa Services. A true and accurate copy of the advertisement is attached as Exhibit L.

17. Counsel for the Class Defendants pulled account data from the TelexFree database representing all accounts belonging to Rosmery Torrico. A true and accurate copy of the Chart is attached as Exhibit M.

18. On or about September 26, 2016, Rosmery Torrico submitted a claim through the Trustee's electronic Proof of Claim ("ePOC") process. A true and accurate copy of the Claim is attached as Exhibit N.

19. On or about January 19, 2023, the Class Defendants took the deposition of Rosmery Torrico. A true and accurate copy of the deposition transcript is attached as Exhibit O.



20. Counsel for the Class Defendants pulled account data from the TelexFree database representing all accounts belonging to Ella Maria Reid. A true and accurate copy of the Chart is attached as Exhibit P.

21. On or about August 29, 2016, Ella Maria Reid submitted a claim through the Trustee's electronic Proof of Claim ("ePOC") process. A true and accurate copy of the Claim is attached as Exhibit Q.

22. On or about February 22, 2023, the Class Defendants took the deposition of Ella Maria Reid. A true and accurate copy of the deposition transcript is attached as Exhibit R.

23. Counsel for the Class Defendants pulled account data from the TelexFree database representing accounts belonging to Amilcar Lopez. A true and accurate copy of the Chart is attached as Exhibit S.

24. Counsel for the Class Defendants pulled account data from the TelexFree database representing accounts belonging to Benjamin Argueta. A true and accurate copy of the Chart is attached as Exhibit T.

25. In reviewing Dr. Freer's aggregation output files, Counsel for the Class Defendants has identified clusters with the following names:

- |                                 |                         |
|---------------------------------|-------------------------|
| ● Tom Cruise                    | ● James Bonds           |
| ● Lady Gaga                     | ● Neymar Jr             |
| ● Bilbo Baggings [ <i>sic</i> ] | ● Johnny Depp           |
| ● Frodo Baggins                 | ● Arnold Schwarzenegger |
| ● Kobe Bryant                   | ● Tom Hanks             |
| ● Barack Obama                  | ● Matt Damon            |

- Donald Trump
- Shakira
- Minnie Mouse
- Jackie Chan
- Britney Spears
- Barry Bonds
- Jimmy Buffet
- Harry Potter
- Adolf Hitler
- Shaggy
- Peter Rabbit
- Santa Claus
- Princess Rosario
- Marshall Mathers
- Joe Biden
- Mitt Romney
- Sarah Palin
- Thomas Jefferson
- Brad Pitt
- Mark Wahlberg
- Cameron Diaz
- Morgan Freeman
- Albert Einstein
- Leonardo Dicaprio
- Ricky Martin
- Tiger Woods
- Jesus Christ
- Robert Downey
- Harrison Ford
- Clint Eastwood
- Emma Watson
- Hugh Jackman
- Hillary Clinton
- Lionel Messi
- Cristiano Ronaldo

26. Counsel for the Class Defendants has also identified clusters of alleged net winners with the following names in Dr. Freer's aggregation output:

- Bill Gates (20041817)
- George Washington (8835920)
- Mickey Mouse (4522154)

Signed under the pains and penalties of perjury, this 21st day of July 2023.

/s/ Ilyas J. Rona  
Ilyas J. Rona

**CERTIFICATE OF SERVICE**

I, Ilyas J. Rona, hereby certify that I have caused a copy of the Affidavit of Ilyas J. Rona to be served on counsel for the Trustee and all registered electronic filers appearing in this case using the Court's CM/ECF system.

Dated: July 21, 2023

/s/ Ilyas J. Rona

Ilyas J. Rona, Esq.

# Exhibit A.

**UNITED STATES BANKRUPTCY COURT  
DISTRICT OF MASSACHUSETTS**

In re:

TELEXFREE, LLC,  
TELEXFREE, INC. and  
TELEXFREE FINANCIAL, INC.,  
  
Debtors.

Chapter 11 Cases

14-40987-MSH  
14-40988-MSH  
14-40989-MSH

Jointly Administered

STEPHEN B. DARR, TRUSTEE  
OF THE ESTATES OF TELEXFREE, LLC,  
TELEXFREE, INC. and TELEXFREE  
FINANCIAL, INC.,  
  
Plaintiff,

Adversary Proceeding  
No. 16-4006

v.  
BENJAMIN ARGUETA, A  
REPRESENTATIVE OF A CLASS OF  
DEFENDANT NET WINNERS  
  
Defendants.

STEPHEN B. DARR AS TRUSTEE  
OF THE ESTATES OF TELEXFREE, LLC,  
TELEXFREE, INC. and TELEXFREE  
FINANCIAL, INC.,  
  
Plaintiffs,

Adversary Proceeding  
No. 16-4007

v.  
MARCO PUZZARINI, A REPRESENTATIVE  
OF A CLASS OF DEFENDANT NET  
WINNERS  
  
Defendants.

**EXPERT REPORT OF DR. CAMERON E. FREER**

Respectfully submitted this 29th day of April 2022



Cameron E. Freer, Ph.D.

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**EXHIBITS**

<b>Exhibit Number</b>	<b>Description</b>
1	Curriculum Vitae of Cameron E. Freer
2	Materials Considered
3	Cluster 132785 Example
4	Gamma Cutoff Selection Example
5	Summary of TelexFree User Accounts and Participants by Tier
6	Aggregation Output, provided natively as <i>aggregation_output.csv</i>
7	Summary of the Aggregation Output, provided natively as <i>aggregation_summary.csv</i>



## I. OVERVIEW

### A. Introduction

1. Based upon my discussions with counsel to Stephen Darr, the Trustee of TelexFree, and Huron Consulting Group, LLC (“Huron”), the Trustee’s financial advisors, I understand the following general background facts:

2. TelexFree was a Ponzi and pyramid scheme that purportedly sold Voice over Internet Protocol (VoIP) phone plans and operated from 2012 to 2014. Scheme participants (“Participants”) were encouraged to create multiple accounts (“User Accounts”) to increase their involvement in the scheme. Some Participants created one User Account; others created thousands.

3. An organization known as Ympactus operated a related scheme in Brazil, using the same business model and also maintaining its records in the TelexFree database. In total, there are 17,016,780 User Accounts in the TelexFree database. The Trustee determined that of that 17,016,780 User Accounts, 10,987,617 are attributable to TelexFree, 4,006,422 are attributable to Ympactus, and 138 are a “hybrid”. The remaining 2,022,603 User Accounts are those for which no invoice was ever paid.

4. The TelexFree database treats each of the approximately 17 million User Accounts as a standalone record that does not internally link to other User Accounts, even when such User Accounts were opened by the same Participant. While many Participants created multiple User Accounts, some Participants at times entered information that was inconsistent across their various User Accounts. For example, two User Accounts opened by the same Participant may have different email addresses.

5. Because of the pyramid nature of TelexFree's scheme, Participants often recruited friends and relatives into the scheme. My understanding of the TelexFree scheme is that, in the course of User Account creation, it was common practice for recruits to use their own name while using the contact information (email address, phone number, street address, and other fields) of their recruiters, or for family members to share the same contact information, or for a business and an individual to share the same contact information.

6. When the TelexFree scheme collapsed, some Participants received more money than they had paid into the scheme ("Net Winners"), whereas the majority of Participants had contributed more into the scheme than they were paid out ("Net Losers").<sup>1</sup> As previously mentioned, many Participants maintained multiple User Accounts. In order to determine the Net Winners and Net Losers, the Trustee needed to establish a mechanism to aggregate the User Accounts attributable to each Participant.

**B. Scope of Engagement**

7. Borelian Corporation ("Borelian") has been engaged by Stephen Darr, the Trustee of TelexFree, to develop and implement an aggregation methodology for grouping the User Accounts associated with each Participant. Specifically, Borelian was engaged to: (1) develop an aggregation methodology that creates one "cluster" of User Accounts for each Participant such that each User Account appears in precisely one cluster; and (2) provide the set of clusters that results from implementing this methodology on the 10,987,617 User Accounts attributable to TelexFree.

8. My scope of engagement also includes participating in depositions or other court proceedings as necessary.

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<sup>1</sup> For purposes of this report, I consider the small number of Participants with zero net gains to be Net Losers.

**C. Qualifications**

9. I am a Principal at Borelian, a data analytics firm with a specific expertise in analyzing, cleaning, and aggregating large commercial data sets. I am also a Research Scientist at Massachusetts Institute of Technology's Probabilistic Computing Project. As part of my work at MIT, I have published a number of papers in the fields of probabilistic inference<sup>2</sup>, statistical testing<sup>3</sup>, and clustering in graphs<sup>4</sup>. I received a Ph.D. in Mathematics from Harvard University. My CV is attached as Exhibit 1.

10. I have published 28 mathematics, statistics, and computer science research papers; all of these publications, including all publications in the last 10 years, are listed in Exhibit 1. I have been an invited speaker at many international conferences, and have given several dozen invited lectures (see Exhibit 1, pp. 4-7). I have been granted a U.S. Patent (Id. at p. 4), and my research has been featured in the Wall Street Journal, Forbes, the BBC, Wired, The Atlantic, and Fast Company (Id. at p. 11).

11. In addition to my academic research, I have extensive work experience working with complex datasets. I served as Chief Scientist of the real estate data analytics firm Remine, Inc., where I evaluated, cleaned, and merged large datasets of consumer and property records (which came from different vendors and had no canonical unique identifiers), built statistical models based on this data, and helped build their data science team and design their data architecture. I have also worked on data analysis of financial datasets. In total, I have over ten

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<sup>2</sup> N. Ackerman, C. Freer, and D. Roy. On the computability of conditional probability, *Journal of the ACM* 66, no. 3, 23:1–23:40, 2019.

<sup>3</sup> F. Saad, N. Ackerman, C. Freer, and V. Mansinghka. A family of exact goodness-of-fit tests for high-dimensional discrete distributions, *Proceedings of the 22nd International Conference on Artificial Intelligence and Statistics*, PMLR 89, 1640–1649, 2019.

<sup>4</sup> D. Cai, N. Ackerman, and C. Freer. Priors on exchangeable directed graphs, *Electronic Journal of Statistics*, 10, no. 2, 3490–3515, 2016.

years of experience with extraction, cleaning, manipulation, and analysis of complex structured data.

12. I have not provided expert testimony in any legal proceeding in the four years prior to the date of this report.

**D. Fees and Invoices**

13. Borelian is compensated for my time and the time of Borelian professionals expended on this matter under my direction at the rate of \$300 per hour. My hourly rate is \$300 per hour. Compensation to Borelian is not contingent upon the outcome of the related litigation or the opinions I express as a result of my review and analysis.

**E. Materials Considered**

14. I reviewed data and documents from a variety of sources during my work and in the course of generating this report. A complete listing of documents that I considered is presented in Exhibit 2.

**F. Qualifying Language**

15. The opinions presented in this report are based on Borelian's analyses, as carried out under my direction and control, and my experience in analyzing complex datasets over the course of my career. The opinions expressed in this report are subject to change based on additional information that I may receive after the date of this report, and I reserve the right to update my report upon learning of and reviewing additional information that may impact the findings or opinions stated herein. Further, I reserve the right to prepare additional exhibits, charts, graphs, tables, demonstratives, and diagrams to summarize or support the opinions and analyses set forth in this report. Finally, I reserve the right to address those conclusions and opinions raised by the Defendants' Expert which are not addressed herein

**G. Summary of My Opinion**

16. Based on the work described below, my aggregation methodology has determined that the 10,987,617 User Accounts attributable to TelexFree belong to 1,566,383 different Participants, with a mean size of 7.01 User Accounts per Participant. Of the 1,566,383 Participants, 1,484,702 are Net Losers and 81,681 are Net Winners. The Net Winners have a total net gain of \$1,555,981,482.42, with an average net gain of \$19,049.49 per Net Winner. The Net Losers have a total net loss of \$1,782,171,730.09, with an average net loss of \$1,200.36 per Net Loser.

17. As set forth in detail below, I aggregated the User Accounts and tabulated the Total Net Equity for each Participant using a 10-step aggregation methodology that I developed in accordance with standard techniques for data linkage and based on the specific properties of the TelexFree dataset.

**II. INTRODUCTION TO RECORD LINKAGE**

18. Record linkage is the process of matching records in a dataset based on the similarity of the contents of the records.<sup>5</sup> This is typically done by first assessing the similarity of each pair of records to determine the extent to which the pair of records should be linked.<sup>6</sup> This step is then followed by a step that converts the pairwise match assessments into clusters.

19. There are deterministic, probabilistic, and hybrid approaches to assessing pairwise matches, which I describe in Section II.A below. For any of these approaches, it is crucial to

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<sup>5</sup> “Record linkage is the process of matching records from several databases that refer to the same entities. When applied on a single database, this process is known as deduplication.” Christen, P. (2011). A survey of indexing techniques for scalable record linkage and deduplication. *IEEE Transactions on Knowledge and Data Engineering*, 24(9), 1537-1555.

<sup>6</sup> “Traditionally, the de-duplication problem has been solved by making an independent match decision for each candidate pair of records. A similarity score is calculated for each pair...” Parag Singla and Pedro Domingos, Multi-Relational Record Linkage. *KDD-2004 Workshop on MultiRelational Data Mining*, pp. 31-48.

assess the quality of the data in each field, to select fields to be used for linkage based on data quality, to clean the data, and to consider whether to employ fuzzy matching.

20. To convert the pairwise matches into clusters, one can use fixed thresholding and transitive closure, or a dynamic clustering approach, as I describe in Section II.B below.

21. Consider the following example in Table 1, which contains public records from Durham County, North Carolina<sup>7</sup>, and which I will discuss throughout this section to illustrate the key concepts of Record Linkage.

Table 1: Example of public NCSBE records retrieved from <http://www.ncsbe.gov> for the county of Durham in North Carolina and corresponding to unique voter registration numbers. Some fields have been omitted for brevity, including ZIP code, phone number and voter registration number. Street addresses have been permuted with other individuals as to preserve some anonymity.

	Name	Street Address	Age	Sex	Race	Birth	Party
1	Domineck Q. AAshad Jr	914 Monmouth Ave #3	26	M	B	—	LIB
2	Domineck Q. AAshad Sr	1408 Auburndale Dr	55	M	B	NY	DEM
3	Xiomara A. Martinez	1715 Cole Mill Rd	31	F	O	HL	REP
4	Xiomara A. Martinez	2923 Forrestal Dr	31	F	O	HL	—
5	Virginia, L. Mullinix	749 Ninth St #480	101	F	W	PA	REP
6	Jacqueline D. Fuller	141 Bagby LN	54	—	—	—	DEM
7	Jacqueline Fuller	905 Cook Rd	56	F	B	NC	DEM

From an initial inspection, it appears that rows 1 and 2, despite having fairly similar names, likely refer to different people (perhaps father and son). Rows 3 and 4 likely refer to the same person (who possibly moved). Rows 6 and 7 might refer the same person, though it is less clear. No other pairs appear to refer to the same person.

<sup>7</sup> Table 1 of Olivier Binette and Rebecca C. Steorts, (Almost) All of Entity Resolution, arXiv:2008.04443, 2022, augmented by the row numbers 1-7.

**A. Assessing Pairwise Matches**

**1. Data Quality Assessment and Field Selection**

22. The goal of data quality assessment is to identify fields that are of sufficiently high quality for reliably assessing pairwise matches. The dimensions relevant to data quality include completeness (how often the field values are present vs. missing), consistency (how consistent the values used for matching are), accessibility (inclusion of different kinds of non-overlapping fields such as name, address, phone, email, etc.), and believability (how credible or plausible the actual values are).<sup>8</sup>

23. Completeness can be quantified in terms of the frequency of missing data in each row. For example, in Table 1, rows 2, 3, 5, and 7 have data present in every field, while rows 1 and 4 are missing data in a single field and row 6 is missing data in three fields. Completeness can also be quantified in terms of the frequency of missing data in each field. For example, the fields Name, Street Address, and Age are present for all records, while each of the fields Sex, Race, Birth, and Party have missing data for 1 or 2 out of 7 records.

24. The consistency of the data in the example varies by field. For example, Age is somewhat consistent among pairs of records that appear to match (as Age is the same for rows 3 and 4, but is not the same for rows 6 and 7). Sex, Race, and Birth are more consistent, since they agree exactly for rows 3 and 4 (and the data is missing for row 6, making it harder to compare to row 7). Party is similarly consistent, as rows 6 and 7 agree (while the data is missing for row 4, making it harder to compare to row 3). The consistency of the Street Address field is less clear (e.g., it could be that rows 6 and 7 refer to the same person who moved between addresses, but there is no direct evidence for this).

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<sup>8</sup> Section 3.1 of P. Christen, *Data Matching*, Data-Centric Systems and Applications, Springer-Verlag, 2012.

25. The data in the example is moderately accessible, due to the presence of multiple non-overlapping types of data in the fields Name, Street Address, Age, and Birth. The fields Sex, Race, and Party do provide additional kinds of data, but their usefulness is limited by the relatively small number of possible values for each field (e.g., “M” vs. “F” for Sex). The accessibility would be increased if other kinds of data were included, such as email address or phone number.

26. The data appears believable. One possible exception is the presence of “101” as the Age in row 5; this value is suspicious though not decisively an error (as the age is technically possible).

27. Having assessed the data quality, one then selects which fields to use for linkage. In the case of this example in Table 1, on the basis of the above analysis, all 7 fields seem of high enough quality to use. For a small dataset, as in this example, this assessment can be done visually, but for a large dataset (such as the TelexFree dataset), analogous semi-automated techniques are necessary (such as counting non-empty field values, looking at random samples of rows, etc.).

## **2. Data Cleaning**

28. Data cleaning involves slightly modifying field values of the dataset to improve their linkage power. By appropriately cleaning the dataset, the quality of potential matches can be improved without losing much information. Studies have shown that by cleaning datasets, substantially better linkage results can be achieved.<sup>9</sup>

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<sup>9</sup> “There is evidence that improvements in the quality of the underlying data lead to improvements in the quality of the linkage process. For example, early studies of probabilistic linkage in health research demonstrated that greater amounts of personal identifying data greatly improved the accuracy of linkage results ... In the absence of strongly identifying personal information, data cleaning has been recognised as one of the key ways to improve the quality of linkage” (p. 2 of Sean M Randall, Anna M Ferrante, James H Boyd, and James B Semmens. The effect of data cleaning on record linkage quality. *BMC Medical Informatics and Decision Making* 2013, 13:64.)



29. One common cleaning technique is to replace multiple consecutive spaces with a single space. For example, “Alice     Adams” would be cleaned to “Alice Adams”. This technique is useful, because people do often enter data containing extraneous spaces, but these extra spaces are seldom informative, and can be removed without losing much, if any, information. By removing the extra spaces, more potential matches can be considered.

30. Another common cleaning technique is to convert a field value entirely to lowercase characters (leaving alone the non-alphabetical characters). For example, “Alice Adams” would be cleaned to “alice adams”. This technique is useful, because people are often inconsistent about the capitalization pattern that they use, but such capitalization patterns are seldom informative for linkage. By regularizing the format to all-lowercase, more potential matches can be considered without losing much information.

31. As an example, consider Table 1 augmented by the following new row:

Jacqueline D.     Fuller	141 Bagby Ln	54	-	-	-	DEM
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This new row is the same as row 6 except that the Name value of the new row has extra spaces in it (between “D.” and “Fuller”), and the Street Address has different capitalization in the two rows (“Ln” in the new row vs. “LN” in row 6). If the cleaning technique used involves replacing multiple consecutive spaces with a single space, then the Name field would exactly agree between row 6 and the new row (as the cleaned value of both would be “Jacqueline D. Fuller”). If the cleaning technique used involves making all characters lowercase, then the Street Address field would exactly agree between row 6 and the new row (as the cleaned value of both would be “141 bagby ln”).

### 3. Fuzzy Matching

32. Fuzzy matching is a technique often used in assessing how likely it is that field values agree. Fuzzy matching involves computing a measure of nearness between two values, typically with 100 indicating exact agreement and 0 indicating total disagreement. Fuzzy matching is useful in record linkage because it allows for the consideration of pairs of values that are merely similar, rather than identical.<sup>10</sup>

33. For example “Alice Adams” and “Alice Addams” differ in just one character, a difference which might have been caused by a typo. Most nearness measures would return a score for this pair of values that is high, but still below 100.

34. There are a number of nearness measures in the literature, each with its own strengths. For the purpose of illustration, I will use the *ratio* nearness measure, which is one of the three nearness measures used in the aggregation model. (See Section IV.B for additional information about the *ratio* nearness measure.)

35. Without fuzzy matching, values in a dataset may have to be cleaned more thoroughly – and even then, many potential matches might be missed. With fuzzy matching, the entire linkage process is more forgiving of formatting errors (e.g., typos) which allows for more of the value of the original data to be preserved.

36. Consider the example in Table 1. The values for the field Name in row 6 and row 7 are “Jacqueline D. Fuller” and “Jacqueline Fuller”, respectively. These values are highly similar, but they are not identical – the *ratio* nearness measure of this pair is 92. In contrast, the *ratio* nearness measure of “Xiomara A. Martinez” and “Virginia, L. Mullinix” (Name values in

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<sup>10</sup> “Rather than comparing attribute values between two records using only an exact comparison function (that returns a binary ‘same’ or ‘different’ value), it is vital for data matching to employ comparison functions that return some indication of how similar two attribute values are.” Section 5.1 of P. Christen, *Data Matching*, Data-Centric Systems and Applications, Springer-Verlag, 2012.

rows 4 and 5) is 45, which is consistent with how dissimilar these Name values are. A record linkage approach that can take the degree of similarity into account is better than one that requires exact agreement, as the latter would miss a potential match between row 6 and row 7.

#### **4. Pairwise Match Assessment in Deterministic Record Linkage**

37. Deterministic record linkage involves assessing whether a given pair of records matches on the basis of whether a particular set of fields (or, say, some minimum number of fields) exactly agree on the cleaned values for that pair.<sup>11</sup>

38. A deterministic approach is often appropriate when the dataset is of uniformly high quality in a standardized format, or when there is an accurate, ubiquitous field that serves as a unique identifier (such as Social Security Number).

39. For example, a rule for a deterministic approach to the example in Table 1 could be “match any two records that agree exactly on Name, Street Address, and Sex, treating a field with a missing value as not agreeing with any value in that field”. Such a rule would not lead to any pairs of records being matched.

40. As another example, again consider the dataset in Table 1, and suppose the deterministic rule is “match any two records that exactly agree in at least five of the seven fields, treating a field with a missing value as not agreeing with any value in that field”. In that case, rows 1 and 2 would not match (since they agree only on Sex and Race), rows 3 and 4 would match (since even though they disagree on Street Address and Party, they agree on the remaining five fields), and rows 6 and 7 would not match (since they agree only on Party).

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<sup>11</sup> Dusetzina SB, Tyree S, Meyer AM, Meyer A, Green L, and Carpenter WR. Linking Data for Health Services Research: A Framework and Instructional Guide. *US Agency for Healthcare Research and Quality*, Rockville, MD, 2014.

## 5. Pairwise Match Assessment in Probabilistic Record Linkage

41. Probabilistic record linkage involves assessing how closely pairs of records match based on how well the fields in the records agree. Unlike deterministic record linkage, this closeness is not all-or-nothing, but rather a value between 0 and 1 (or between 0% and 100%).

42. Although probabilistic record linkage methods can be computationally more complex to implement than deterministic methods, they can perform well even when the dataset involves substantial variation in field values (such as name variants, typos, multiple email addresses or phone numbers, etc.).<sup>12</sup>

43. Probabilistic record linkage involves the use of a “scoring rubric” that defines how much weight to give each field.

44. As an example, consider the following simple rubric:

Agreement on each field is worth the following amount: Name = 30%, Street Address = 20%, Age = 10%, Sex = 10%, Race = 10%, Birth = 10%, Party = 10%. For the fields Name and Street Address, consider values that have a ratio nearness of 80 or more to be in agreement, while other fields require exact agreement; treat a field with a missing value as not agreeing with any value in that field.<sup>13</sup>

45. Applying this rubric to the dataset from Table 1, we have the following agreement scores: Rows 1 and 2 (which agree on Name, Sex, and Race) have an agreement score of 30% + 10% + 10% = 50%. Rows 3 and 4 (which agree on Name, Age, Sex, Race, Birth) have an agreement score of 30% + 10% + 10% + 10% + 10% = 70%. Rows 6 and 7 (which agree on Name and Party) have an agreement score of 30% + 10% = 40%.

46. This pairwise match assessment step does not itself specify how an agreement score translates into a match or non-match. One possible rule for translating agreement scores

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<sup>12</sup> Ong TC, Duca LM, Kahn MG, and Crume TL. A hybrid approach to record linkage using a combination of deterministic and probabilistic methodology. *J Am Med Inform Assoc.* 2020;27(4):505-513.

<sup>13</sup> Note that the maximum possible agreement score is 100%.

into matches is the following: “an agreement score above 70% is a match”. Continuing the example above, this rule would deem rows 3 and 4 to be a pairwise match, while neither rows 1 and 2 nor rows 6 and 7 would be deemed pairwise matches. I describe in more detail how an agreement score translates into a match or non-match in Section II.B, “Converting Pairwise Match Assessments into Clusters”.

47. While a manually-constructed scoring rubric like this one is illustrative, such rubrics are not a standard approach in modern probabilistic record linkage. Instead, a variant of the Fellegi-Sunter model is typically used to construct the scoring rubric systematically from the dataset.

*i. Fellegi-Sunter Model*

48. The Fellegi-Sunter model of probabilistic record linkage<sup>14</sup> was described in a seminal 1969 paper by its two authors.<sup>15</sup> Even today, the Fellegi-Sunter model underlies most of the standard approaches to probabilistic record linkage.<sup>16</sup>

49. The Fellegi-Sunter model describes a way to track agreement on multiple fields simultaneously and turn that information into an overall match probability for each pair of records under consideration.

50. A particular extension of the Fellegi-Sunter model, Fellegi-Sunter with Expectation Maximization (“FS-EM”), has become a standard method for performing probabilistic record linkage. Expectation Maximization is a ubiquitous algorithm for iteratively

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<sup>14</sup> Fellegi, I. P. and Sunter, A. B. A theory for record linkage. *Journal of the American Statistical Association*, 64(328), 1183-1210 (1969).

<sup>15</sup> There are over 3000 citations of the original Fellegi-Sunter paper.

<sup>16</sup> “... the most commonly used probabilistic model of record linkage (Fellegi and Sunter 1969).” (Enamorado, T., Fifield, B., and Imai, K. (2019). Using a probabilistic model to assist merging of large-scale administrative records. *American Political Science Review*, 113(2), 353-371.)

estimating parameters of a statistical model.<sup>17</sup> In 1988, William Winkler of the US Bureau of the Census described how to combine Expectation Maximization with the Fellegi-Sunter model to more robustly determine the scoring rubric directly from the dataset.<sup>18</sup> This combined approach was then used to perform record linkage on the 1990 US Census<sup>19</sup>, and continues to be a standard approach.

51. As noted in Section II.A.5, the Fellegi-Sunter model provides a scoring rubric for transforming patterns of agreement on the fields into agreement scores – one which is informed by the dataset itself.

52. The form of the scoring rubric under Fellegi-Sunter is a set of so-called  $m$ -probabilities and  $u$ -probabilities, which characterize, for each field, the frequency of agreement patterns for pairs of records that match, and that do not match, respectively. For example, if pairs that match have agreement on a given field 75% of the time, while pairs that do not match have agreement on that field only 20% of the time, the  $m$ -probabilities for that field are (0.25, 0.75) and the  $u$ -probabilities for that field are (0.8, 0.2).<sup>20</sup>

53. The input to the Fellegi-Sunter model is typically specified via the pattern of agreement on the various fields for each pair of records under consideration, and is called a “comparison vector”. For example, if a pair of records agrees on the first and third field and

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<sup>17</sup> “The Expectation-Maximization (EM) algorithm finds maximum likelihood parameter estimates in problems where some variables were unobserved. Special cases of the algorithm date back several decades, and its use has grown even more since its generality and widespread applicability were discussed by Dempster, Laird, and Rubin (1977).” (Radford M. Neal and Geoffrey E. Hinton. A view of the EM algorithm that justifies incremental, sparse, and other variants. *Learning in Graphical Models*. Springer, 1998. 355-368.)

<sup>18</sup> Winkler, W. E. Using the EM Algorithm for Weight Computation in the Fellegi-Sunter Model of Record Linkage, American Statistical Association, *Proceedings of the Section on Survey Research Methods*, 667-671 (1988).

<sup>19</sup> William E. Winkler and Yves Thibaudeau. *An application of the Fellegi-Sunter model of record linkage to the 1990 US decennial census*. US Bureau of the Census, 1991.

<sup>20</sup> This example uses the convention of representing the two possible levels of agreement as (non-agreement, agreement).

disagrees on the second field (and there are only three fields), the comparison vector for the pair will be (1, 0, 1).

54. The individual terms in a comparison vector are often referred to as “gamma” values. For example, if there are two fields, Name and Age, the comparison vector can be written as (gamma\_Name, gamma\_Age), where gamma\_Name and gamma\_Age are the respective gamma values for the pair.

55. The output of the Fellegi-Sunter model is the agreement score for each pair of records under consideration, typically formulated as a “match probability”. For example, if the Fellegi-Sunter model determines that agreement on just the first and third fields is especially indicative of a match, then a pair of records with comparison vector (1, 0, 1) might have match probability that is relatively high (i.e., close to 100%).

***ii. Partial Degrees of Agreement***

56. In the discussion above, a comparison vector indicates which fields a given pair of records agrees on and which fields it disagrees on. Agreement need not mean exact agreement (e.g., it could mean a *ratio* value above 80), but still this formulation involves just two possibilities (agreement vs. disagreement).

57. However, it is often possible to distinguish partial degrees of agreement (e.g., via the nearness value itself, which might be any number between 0 and 100). These partial degrees of agreement can also be incorporated into the comparison vector.

58. When incorporating partial degrees of agreement into the comparison vector, the *m*-probabilities and *u*-probabilities must then specify the frequency of each partial degree of agreement among pairs or records that match and pairs of records that do not match, respectively.

59. These partial degrees of agreement are typically discretized into a small number of different levels (or “bins”) of agreement. Consider the following example with 3 levels (0, 1, and 2) of agreement for a given field. Level 0 represents substantial disagreement (pair ratio  $< 80$ ), level 1 represents partial agreement ( $80 \leq \text{pair ratio} < 100$ ), and level 2 represents exact agreement (pair ratio = 100), where “pair ratio” is the *ratio* nearness measure of the pair’s values on that field. For every pair, its gamma value for this field takes one of the three values 0, 1, or 2.

60. In this example, the *m*-probabilities and *u*-probabilities would each be specified as triples rather than pairs. Suppose that pairs that match have exact agreement on that field 60% of the time, partial agreement 30% of the time, and substantial disagreement 10% of the time, while pairs that do not match have exact agreement on that field 25% of the time, partial agreement 25% of the time, and substantial disagreement 50% of the time. Then the *m*-probabilities for that field are (0.1, 0.3, 0.6) and the *u*-probabilities for that field are (0.25, 0.25, 0.5).<sup>21</sup>

61. Missing values can also be represented naturally using multiple levels of agreement. Typically a gamma value of -1 represents that one or both values of the given field are missing for that pair. This gamma value is treated like any other gamma value in the Fellegi-Sunter machinery, and pairs with this value are assigned partial credit accordingly. This is important, since it allows for datasets that have frequently missing values to receive an appropriate amount of partial credit depending on how that pattern of missingness interacts with the rest of the dataset.

62. For example, consider the records in rows 5, 6, and 7 of Table 1. The Birth field is “PA” for row 5, missing for row 6, and “NC” for row 7. Rows 5 and 7 definitely disagree on Birth value and would likely be assigned gamma value 0. On the other hand, rows 6 and 7 would

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<sup>21</sup> This example uses the convention of representing the three levels of agreement in the order (0, 1, 2).



be assigned gamma value -1 because one of the values is missing. The intuition here is that missing values are not definite disagreements, and should perhaps get some partial credit, depending on the details of the dataset.

**iii. Blocking**

63. In the descriptions above of probabilistic record linkage, I have spoken of how such an approach assesses matches for a set of pairs of records under consideration. In the case of fairly small datasets, this set of pairs might well consist of all pairs of records. For example, in Table 1, there are  $7 \times (7 - 1) / 2 = 21$  pairs of records (ignoring the order and pairs consisting of the same record twice).

64. However, when the dataset is large, it may be computationally unreasonable to run the FS-EM algorithm on the set of all pairs directly. For example, in the TelexFree dataset, which has approximately 11 million User Accounts, there would be approximately 60 *trillion* pairs to consider. In such a circumstance, it is often advantageous to use a technique known as “blocking” to reduce the number of pairs under consideration to a much smaller number.

65. The output of the blocking step is a “blocking set”, which contains those pairs of records that will remain under consideration in subsequent steps.

66. The restriction to a smaller subset of pairs is justified only if every pair that is excluded from the blocking set<sup>22</sup> would have been very unlikely to match, had it been considered. For example, if a pair exactly agrees on every field, it is important to keep it under consideration (by including it in the blocking set), because it is likely to have very high match probability. On the other hand, if a pair substantially disagrees on every single field, then it is

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<sup>22</sup> “Record pairs are discarded unless they agree on the blocking key.” (J.S. Murray, “Probabilistic Record Linkage and Deduplication after Indexing, Blocking, and Filtering”. *Journal of Privacy and Confidentiality* (2015–2016) 7:1, pp. 3–24.)

likely to have very low match probability, and it is permissible to exclude such a pair from consideration (by excluding it from the blocking set).

67. The blocking step can involve one or more rules, any of which suffice for entry into the blocking set. For example, suppose the blocking rules are:

- pair ratio on the Name field  $> 80$
- pair ratio on the Street Address  $> 80$

Under these blocking rules, the blocking set for Table 1 would consist of (row 1, row 2), (row 3, row 4), and (row 6, row 7). All of these are due to the Name rule, and none due to the Street Address rule. As a result, after blocking there are merely 3 pairs (rather than all 21 pairs) for further consideration by the FS-EM algorithm.

68. In this example, each of the two blocking rules involved just a single field. A blocking rule may involve more than one field.<sup>23</sup> For example, a blocking rule might state: “pair ratio on the Name field  $> 80$  and the pair’s values of Age exactly agree”.

69. Importantly, the presence of a pair of records in the blocking set does *not* signal that the pair is necessarily likely to be a match; rather, it simply means that the pair meets the minimum requirement to be further considered.

## **6. Pairwise Match Assessment in Hybrid Record Linkage**

70. Probabilistic record linkage is computationally complex, and benefits substantially from a smaller input dataset. When dealing with large datasets, it may be advantageous to use a hybrid record linkage approach – specifically, performing a deterministic record linkage step followed by a probabilistic record linkage step. The deterministic record linkage step would match those pairs of records that are unquestionably the same (effectively

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<sup>23</sup> “Blocking keys may be constructed by conjunctions of multiple keys (e.g., agreement on last initial and postal code).” (J.S. Murray, 2016)

establishing a 100% agreement score), while leaving a smaller set of pairs for the probabilistic record linkage to consider.

71. A hybrid approach can be quite helpful computationally, as it can substantially reduce the number of pairs that need to be considered by the subsequent probabilistic machinery. A hybrid record linkage approach is standard, and can often lead to better matching results than either deterministic or probabilistic record linkage techniques on their own.<sup>24</sup>

72. Consider the example dataset in Table 1 with the following new row added:

Jacqueline Fuller	905 Cook Rd	56	F	B	NC	DEM
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Observe that the new row exactly agrees on every field with row 7. If the rule for the deterministic step (as part of a hybrid approach) is “match any two records that exactly agree in all fields, treating a field with a missing value as not agreeing with any value in that field”, then row 7 will be matched with the new row (but no other pairs of rows), and so the subsequent probabilistic step need only consider 7 (groupings of) rows, rather than all 8 rows. Later, once clusters have been formed on this reduced dataset, these clusters can be expanded into the corresponding clusters on the full dataset.

## **B. Converting Pairwise Match Assessments into Clusters**

### **1. Fixed Thresholding and Transitive Closure**

73. After the pairwise match assessment is complete, the remaining task is to convert the agreement scores (e.g., match probabilities in the case of FS-EM) into a clustering (a set of

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<sup>24</sup> Ong TC, Duca LM, Kahn MG, and Crume TL. A hybrid approach to record linkage using a combination of deterministic and probabilistic methodology. *J Am Med Inform Assoc.* 2020;27(4):505-513. See also Kabudula, C.W., Clark, B.D., Gómez-Olivé, F.X., Tollman, S., Menken, J. and Reniers, G. The promise of record linkage for assessing the uptake of health services in resource constrained settings: a pilot study from South Africa. *BMC Med Res Methodol* 2014; 14, 71.

clusters). This is typically achieved via two steps: fixed thresholding, followed by transitive closure.<sup>25</sup>

74. Fixed thresholding consists of linking all pairs whose agreement score exceeds a particular fixed threshold.

75. Transitive closure is a standard technique for creating clusters (from a set of linked pairs of records) such that every record is in exactly one cluster. The transitive closure of a set of linked pairs is formed by repeating the following process until no additional links need to be added: if record A is linked to record B, and record B is linked to record C, then a link is added between record A and record C (regardless of the agreement score between records A and C).

76. Any particular fixed threshold involves a tradeoff between two competing tensions: overclustering (when clusters include many pairs with low agreement scores) and underclustering (when clusters fail to include many pairs with high agreement scores).

77. As an example, consider Table 1 with the following new row added:

Jacqueline D. Fuller	141 Bagby LN	54	F	B	-	DEM
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Suppose the deterministic rule being used is “match any two records that agree in at least four of the seven fields, where agreement in the Name or Street Address fields requires a *ratio* of at least 80%, and where other fields must agree exactly, treating a field with a missing value as not agreeing with any value in that field”. This rule does not match rows 6 and 7 directly, though it does match row 6 to the new row and row 7 to the new row. Taking the transitive closure of

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<sup>25</sup> “[T]he pairs whose similarity score is above some pre-determined threshold are merged. This is followed by taking a transitive closure over matching pairs.” (Parag Singla and Pedro Domingos, Multi-Relational Record Linkage. KDD-2004 Workshop on MultiRelational Data Mining, pp. 31-48.)

these matches means that rows 6 and 7 do end up matched, by virtue of the linkages provided via the new row.

## **2. Dynamic Clustering**

78. Some datasets exhibit heterogeneity in the sense that some portions of the dataset are “tightly bound” with little variation (e.g., only minor typos) and very high agreement scores among their pairs, while other portions are “loosely bound” with more substantial variation (e.g., name variants, multiple addresses, small age differences, change in party affiliation) and lower agreement scores among their pairs.

79. For heterogeneous datasets, it is often the case that performing fixed thresholding and transitive closure, for any single choice of fixed threshold, is suboptimal, as any such choice will lead to substantially overclustering one portion of the dataset while simultaneously substantially underclustering another portion.

80. The idea of dynamic clustering (also known as heterogeneous clustering) is to better navigate this tradeoff between overclustering and underclustering by choosing higher thresholds in the tightly bound portion of the dataset while choosing lower thresholds in the loosely bound portion of the dataset.

81. As an example, consider again the dataset in Table 1. If one chooses a high fixed threshold (i.e., being highly selective about which pairs of rows to group together), then rows 3 and 4 will likely be linked into a cluster (because they are so similar), but rows 6 and 7 will likely not be linked into a cluster (because they are substantially less similar). If one instead chooses a low fixed threshold (i.e. being less selective about which pairs of rows to group together), then rows 3 and 4 will still likely be linked together, and now also rows 6 and 7 will likely be. However, in that low fixed-threshold situation, there is also a risk that rows 1 and 2 will be linked together as well (even though they probably should not be). Neither the high nor

the low threshold is ideal; it would be better if one could choose a high threshold for rows 3 and 4 (linking them into a cluster), a lower threshold for rows 6 and 7 (linking them into a cluster), and a high enough threshold for rows 1 and 2 so that these rows are not linked into a cluster.

This is the essence of the dynamic clustering approach.

### III. THE TELEXFREE DATASET

#### A. Data Source

82. Borelian was provided with four tables that I understand are the full and complete exports for the original TelexFree database. These tables are: *representante* (the “Account Table”), *fatura* (the “Invoice Table”), *transferencia* (the “Transfer Table”), and *bonus* (the “Bonus Table”). (The names of the tables, as well as of the fields in these tables, appear to be in Portuguese.)

83. For purposes of input into the aggregation methodology that is the focus of this report, only information from the Account Table was used. The Invoice Table, Transfer Table, and Bonus Table all contain information about transfers between various Participants or between TelexFree and Participants, rather than information about the Participants themselves, and these tables are not used in the aggregation methodology. My understanding is that Huron used the information in these three tables to calculate Net Equity for each User Account.

84. The Account Table includes 17,016,780 User Account records and 44 fields. Based on information provided to Borelian from Huron in the form of a *rep\_id\_summary* table (the “Summary Table”)<sup>26</sup>, I filtered (via the *entity* field) the User Account records considered for aggregation down to the 10,987,617 User Accounts attributable to TelexFree and associated with at least one paid invoice. The Summary Table also contains (in the *net\_equity* field) the Net

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<sup>26</sup> The Account Table, Invoice Table, Transfer Table, Bonus Table, and Summary Table were sent by Huron to Borelian as MySQL table dumps.

Equity for each User Account as calculated by Huron, which I used in Step 10 to tabulate net equity after clustering (see Section IV.D.10 below).

**B. Data Fields**

85. The Account Table (representante table) includes 44 fields, whose contents I now describe. The 44 fields are: *rep\_id*, *rep\_login*, *rep\_id\_direto*, *rep\_id\_pai*, *lado*, *rep\_id\_disk*, *ord\_id\_disk*, *rep\_data\_cad*, *rep\_datanasc*, *rep\_sexo*, *rep\_nome*, *rep\_pwd*, *rep\_pwd\_secondary*, *rep\_razao\_social*, *rep\_cnpj*, *rep\_cpf*, *rep\_rg*, *rep\_ssn*, *rep\_email*, *rep\_end*, *rep\_comp*, *rep\_numero*, *rep\_bairro*, *rep\_cidade*, *cod\_rep\_cidade*, *rep\_cep*, *rep\_uf*, *cod\_rep\_uf*, *rep\_pais*, *cod\_rep\_pais*, *rep\_fone*, *rep\_cel*, *rep\_obs*, *token*, *token\_secondary*, *chargeback*, *blocked*, *transaction*, *rep\_ticket\_id*, *unsubs\_mark*, *unsubs\_trans*, *valida\_email*, *rep\_primeiro\_nome*, *rep\_sobrenome*. I relied on both the “Reference” tab of spreadsheet “10ksample.xlsx”, provided by Huron to Borelian, and my own subsequent analysis in order to ascertain the meaning of these fields.

86. Most database tables contain a unique identifier field that lets a user of the database identify a particular row. In the Account Table, this role is played by the *rep\_id* field. Accordingly, it contains unique values and is never null or empty. The aggregation methodology uses it to uniquely identify User Accounts but it is not itself considered for linkage determinations.

87. I next describe each of the other 43 fields, and discuss the quality of each. Of those 43 fields, 11 fields are of sufficient quality to warrant inclusion in the aggregation methodology. These fields are: *rep\_nome*, *rep\_email*, *rep\_cel*, *rep\_fone*, *rep\_end*, *rep\_numero*, *rep\_cep*, *rep\_login*, *rep\_pwd\_secondary*, *rep\_cpf*, and *rep\_datanasc*.

88. There are several relevant dimensions to data quality (completeness, consistency, accessibility, and believability), as I have discussed in Section II.A.1. The completeness of the TelexFree dataset varies by field, but is high for the 8 high-quality fields described below in Sections III.B.1 and III.B.2 (namely, *rep\_nome*, *rep\_email*, *rep\_cel*, *rep\_fone*, *rep\_end*, *rep\_numero*, *rep\_cep*, and *rep\_login*). Consistency is also generally high for these 8 fields, albeit with occasional variation. The dataset has high accessibility, due to the presence of many different kinds of non-overlapping fields, representing name, email, address, phone number, etc. The dataset is also generally rather believable, despite a small portion of exceptions (due to garbage like “11111” or values like “Mickey Mouse”). For a visual illustration of the general quality of the dataset, see the cluster shown in Exhibit 3.

#### **1. Special Role of the Name Field in the TelexFree Dataset**

89. In a typical user-account dataset, email addresses and phone numbers are unique to an individual. However, this is often not the case in the TelexFree dataset. As described in Paragraph 5, a major source of complexity with the TelexFree dataset is the prevalence of User Accounts that contain different names, but the same email address, phone number, address, etc.<sup>27</sup>

90. As a result, the name field (*rep\_nome*) in the TelexFree dataset gains a special meaning that it might not have in another dataset. In particular, it is the *only true differentiator* of Participants – if User Accounts A and B match in all other fields (email address, cell phone number, etc.) but A’s name field is quite different from B’s name field (say, “Alice Adams” and

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<sup>27</sup> For multiple examples of distinct Participants (with different names) having the same contact information as each other in several fields, see the following Exhibits of the July 31, 2020 *Rebuttal Expert Report of Joshua W. Dennis*: Exhibits 9.1 and 9.5 (individual and business), Exhibits 9.2 and 9.3 (same email or address), Exhibit 9.4 (different businesses with the same address and email), Exhibits 9.6 and 9.11 (same last name and phone, but different first names), Exhibit 10 (same email, address, and last name, but verified by affidavits to be spouses – see July 29, 2020 affidavits of Frantz Balan and Lusette Balan).



“Bob Baker”), then these User Accounts should be treated as belonging to different Participants and should not be aggregated.

91. Only when the names in the TelexFree dataset are near enough (in the sense of string nearness; see Section II.A.3), say “Alice Adams” and “Alice Addams”, and there are other markers of agreement (such as a matching email address, cell phone number, etc.), should these two User Accounts be treated as belonging to the same Participant and should be aggregated.<sup>28</sup> Accordingly, in the aggregation methodology, we require that any two User Accounts under consideration for possible linkage have at least fairly similar name (see Section IV.D.4).

92. It is worth noting that while it may turn out that a name is made up (such as “Mickey Mouse”), this itself is not a critical issue for data aggregation. The relevant issue for aggregation is whether the values in the field support the matches, not whether or not the values in the field reflect the true name. Even when a Participant uses a pseudonym that is totally unrelated to their real name, it is possible to successfully aggregate their User Accounts if (a) they use the pseudonym consistently, and (b) not too many other Participants use that same pseudonym without including different information in other fields. In the best case scenario, the true identity of the Participant can, at a later time, be ascertained from the other indicia; in the worst case scenario, the Participant will never be identified, but their records do not contaminate the rest of the aggregation.

93. Indeed, the name field (*rep\_nome*) in the TelexFree dataset is of very high quality (despite variations in case, punctuation, spaces, and other typical issues that data cleaning and fuzzy matching can account for). First, the name field is only empty in 0.002% of User

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<sup>28</sup> What counts as “near enough” is a parameter of the model, and needs to be appropriately balanced: too restrictive (such as requiring exact name matching), and one misses some potential linkages; too expansive, and one risks incorrectly aggregating the User Accounts of different Participants into a single cluster.

Accounts and is never null. Second, nearly all of the name values contain strings consisting entirely of alphabetical characters or the symbols commonly found in names (period, comma, hyphen, space, or apostrophe) – as opposed to numbers or other symbols – which is an indication that the value is a legitimate name. Specifically, 97% of the name field values are both five characters or longer and contain only the characters described above. Furthermore, a manual review reveals that in a random sample of 300 name field values meeting this criterion, 98% look like a name. Here are the first 10 values taken from that random sample:

```
jack zheng  
alcebiades de souza neto souza  
olger hancoco condori  
JESUS PEREZ  
jose correia da silva  
Francisca Orlanda de Lima Ferreira  
long fang zhang  
lizardo juarez apaza  
Gustavo Maroso Gessi  
alex malo
```

94. Based on these facts, I estimate that in at least 95% of the User Accounts, the value of the *rep\_nome* field appears to be a name. Furthermore, *rep\_nome* values in the remaining User Accounts are sufficiently diverse in value (i.e., no one value predominates, nor does a small set of values) that they are unlikely to substantially contaminate the rest of the matches – and even less so after cleaning (see Section IV.D.2). As a result, I use *rep\_nome* in the aggregation methodology.

## **2. High Quality**

95. I understand that the field *rep\_email* is meant to contain the email address of the User Account. Indeed, the field values appear to be email addresses. First, the email field is only empty in 0.84% of User Accounts and is never null. Second, 98.2% of User Accounts contain

*rep\_email* values that passed a validation test for determining valid email addresses: after light cleaning (e.g., removing spaces), I tested the values against the standard format for email addresses as defined in an Internet specification concerning email address, RFC 2822.<sup>29</sup> Third, 71.9% of User Accounts had an email address (after light cleaning) at the domain “gmail.com” or “hotmail.com”, which is also indicative of these *rep\_email* values being e-mail addresses. The values of *rep\_email* were found to be the same for many pairs of User Accounts with similar or identical name (*rep\_nome*) values, which is indicative of high linkage value for these two fields. As a result, I use *rep\_email* in the aggregation methodology.

96. I understand that the fields *rep\_cel* and *rep\_fone* are meant to contain the “mobile phone” number and “telephone” number, respectively. Indeed, these fields appear to contain phone numbers. First, *rep\_cel* and *rep\_fone* are null or empty for only 0.001% and 0.03% of User Accounts, respectively. Second, the values in these fields correspond to what would be expected in a phone number field. Specifically, they nearly always contain numeric data or characters typically associated with phone numbers (space, left and right parentheses, hyphen/dash, and plus). Third, in 95.5% and 95.6% of User Accounts, respectively, *rep\_cel* and *rep\_fone* values match the validation criterion of being 6 digits or more of numeric or these special characters. Furthermore, the values of *rep\_cel* and/or *rep\_fone* were found to be the same for many pairs of User Accounts with similar or identical name (*rep\_nome*) values, which is indicative of high linkage value for these two fields. As a result, I use *rep\_cel* and *rep\_fone* in the aggregation methodology.

97. It is my understanding that the fields *rep\_end*, *rep\_numero*, and *rep\_cep* are meant to contain various address components. Indeed, *rep\_end* appears to contain a street name

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<sup>29</sup> RFCs are specifications for Internet services, and RFCs 2821 and 2822 concern email addresses. For RFC 2822 specifically, see “RFC 2822”, retrieved from <https://datatracker.ietf.org/doc/html/rfc2822>

(sometimes including a house number as well), *rep\_numero* appears to contain a house number, and *rep\_cep* appears to contain a postal code (CEP stands for “Código de Endereçamento Postal” in Brazil, and is analogous to ZIP Code in the United States)<sup>30</sup>. The fields *rep\_end*, *rep\_numero*, and *rep\_cep* are null or empty in only 0.005%, 22%, and 0.001% of User Accounts, respectively. Manual inspection of representative samples of these three fields confirms that they contain what would be expected of the respective address components (when present). These fields, taken together, provide the core of the address, and appear to have substantial linkage value, and so I use *rep\_end*, *rep\_numero*, and *rep\_cep* in the aggregation methodology.<sup>31</sup>

98. I understand that the field *rep\_login* contains the login name chosen by the user. This field is never null or empty and contains unique values. While this is the only user-entered (as opposed to system-generated, like *rep\_id*) field that the TelexFree system required to be unique (as is typical of login names), it appears that many Participants who created multiple User Accounts nevertheless attempted to choose *rep\_login* values that were similar across their User Accounts (e.g., “ttmilagres”, “ttmilagres3”, and “ttmilagres6” all appear as *rep\_login* for accounts with *rep\_nome* “Maria Teresa Milagres Neves”; see page 1 of Exhibit 3). This similarity in value gives the *rep\_login* field substantial linkage value despite the fact that the values are literally different for every record. As a result, I use *rep\_login* in the aggregation methodology, subject to a truncation transformation described below in Section IV.D.1.

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<sup>30</sup> “Código de Endereçamento Postal”, retrieved from [https://en.wikipedia.org/wiki/C%C3%B3digo\\_de\\_Endere%C3%A7amento\\_Postal](https://en.wikipedia.org/wiki/C%C3%B3digo_de_Endere%C3%A7amento_Postal)

<sup>31</sup> The high linkage value of these components is supported by the fact that at least in the United States, credit card processors verify card transactions by using house number and postal code (the analogues of *rep\_numero* and *rep\_cep*). See “Address verification service”, retrieved from [https://en.wikipedia.org/wiki/Address\\_verification\\_service](https://en.wikipedia.org/wiki/Address_verification_service)

### 3. Intermediate Quality

99. I understand that the field *rep\_pwd\_secondary* contains a transformation of the user's password (specifically, its md5sum hash) that allows a database to store the password more securely than storing the actual password itself. This is further supported by the fact that md5sum hashes are always 32-character hexadecimal strings, and so are the values of the *rep\_pwd\_secondary* field (after mild cleaning). md5sum is a one-way function, which means that it is easy to compute but hard to reverse. For example, if the user's password is "123456", the md5sum function converts that password to "e10adc3949ba59abbe56e057f20f883e". It is easy to convert a password into its md5sum hash, but it is computationally difficult in general to figure out the password from a particular md5sum hash. Two User Accounts having identical passwords will have identical md5sum hashes. However, two User Accounts having similar but not identical passwords will have very different md5sum hashes. For example, the md5sum hash of "123457" is "f1887d3f9e6ee7a32fe5e76f4ab80d63". As a result, comparisons on the value of the *rep\_pwd\_secondary* field can only identify passwords that are identical.

100. The *rep\_pwd\_secondary* field is null for 76.95% of User Accounts. However, when present, this field is nevertheless useful, because (1) most of the values are not particularly frequent, (2) the data requires essentially no cleaning when present, and (3) it does appear that there are many instances where multiple User Accounts that have identical or similar name values (*rep\_nome*) also have the same password. In other words, it looks like at least some Participants re-used the exact same password for multiple different User Accounts. While it is possible for different parties to choose the same password, this happens relatively infrequently. In total, this field has high linkage value when present, and so I use *rep\_pwd\_secondary* in the aggregation methodology.

101. I understand that the field *rep\_cpf* is meant to contain a national ID value analogous to a social security number (“CPF” stands for Cadastro de Pessoas Físicas, Portuguese for “Natural Persons Register”).<sup>32</sup> On the face of it, *rep\_cpf* would therefore seem to represent information that could, on its own, uniquely identify an individual. However, upon close examination of its values, *rep\_cpf* appears to be of merely intermediate quality.

102. The field *rep\_cpf* is null or empty for just 0.001% of User Accounts, and is therefore ubiquitous in this dataset. Manual inspection of representative samples of this field confirms that its values are generally consistent with being a national ID value. Furthermore, a number of User Accounts that appear to be connected to the same Participant do often share the same value of *rep\_cpf*. However, even though national identifiers have the potential to be unique to a Participant, the contents of the *rep\_cpf* field do not actually appear to be unique to a Participant. For many sets of records having identical or near-identical values of *rep\_nome* (e.g., *rep\_cpf* values of “4447862314”, “0129019033”, “128559241”, and “14582308”, among others, all appear in User Accounts with *rep\_nome* value “Maria Neves”), the value for *rep\_cpf* is not consistent. Nor is it the case that a given *rep\_cpf* value occurs only for records having similar *rep\_nome* values (e.g., *rep\_cpf* value “1111212222” appears in User Accounts with *rep\_nome* values of “ting bu”, “yuanhua liu”, and “hao zhang”, among others). It therefore does not meet the standard for a unique identifier, that of being both ubiquitous and unique (to a Participant). Nevertheless, because of the linkage value that it adds, I include *rep\_cpf* in the aggregation methodology.

103. I understand that the field *rep\_datanasc* is meant to contain the date of birth (“data de nascimento” is Portuguese for “date of birth”). The *rep\_datanasc* field is null for

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<sup>32</sup> “CPF number”, retrieved from [https://en.wikipedia.org/wiki/CPF\\_number](https://en.wikipedia.org/wiki/CPF_number)

78.2% of User Accounts. However, when present, this field is nevertheless useful, because (1) most of the values are not particularly frequent (though, naturally, some Participants in a dataset of this size will share birth dates), (2) the data is always a proper date and requires no cleaning when present, and (3) it does appear that there are many instances where multiple User Accounts that have identical or similar name (*rep\_nome*) values also have the same *rep\_datanasc* value. I therefore include *rep\_datanasc* in the aggregation methodology.

#### **4. Low Quality**

104. The remaining fields in the TelexFree dataset were assessed and determined to have low quality at best. Most of these fields are of low quality because they (1) contain information not related to Participants' identity, (2) contain information whose linkage value is substantially subsumed by higher quality fields, or (3) are mostly empty. However, I will first describe the fields that did not fall neatly into one of these three categories.

105. The field *rep\_data\_cad*, which I understand to mean "date account created," is never null or empty, and always contains a date in 2012, 2013, or 2014. It provides little linkage value because it typically stands in a many-to-many relationship with the Participants, meaning that many Participants apparently created accounts on a number of different dates, and on most days, many accounts from apparently different Participants were created. As a result, *rep\_data\_cad* is not included in the aggregation methodology.

106. The field *valida\_email*, which I understand is meant to contain information about the "validation [of] the email address," is never null or empty, and it always contains the value "0," "1," or "2". Examination of the *valida\_email* values in conjunction with *rep\_email* values reveals that any of the three possible values occurs in conjunction with many valid-looking values of *rep\_email*. Furthermore, all three possible values often occur with the same address (e.g., "telexfreeben@gmail.com" is the value of *rep\_email* for 253 accounts in which

*valida\_email* is “0,” for 960 accounts in which *valida\_email* is “1,” and for 735 accounts in which *valida\_email* is “2”). Hence, *valida\_email* does not describe a property of the email address itself, and is therefore not used in the aggregation methodology.

107. The fields *rep\_primeiro\_nome* and *rep\_sobrenome*, which I understand represent some notion of “first name” and “last name”, are empty for 0.009% and 0.97% of User Accounts, respectively, and are never null. Examination of their contents in detail, in tandem with the *rep\_id* value, reveals that there were at least 3 distinct regimes for how these two fields relate to *rep\_nome*. In the first regime, *rep\_primeiro\_nome* and *rep\_sobrenome* contain the first and last tokens of *rep\_nome*. (A token is a sequence of non-space characters separated by a space; in “Quick brown fox”, the tokens are “Quick”, “brown”, and “fox”.) In the second regime, *rep\_primeiro\_nome* and *rep\_sobrenome* were mostly empty. In the third regime, *rep\_primeiro\_nome* contained the first token of *rep\_nome* and *rep\_sobrenome* contained the remaining tokens. To avoid these inconsistencies, I extracted the first and last token directly from the *rep\_nome* field when using it as part of the evaluating matches between names; for more details, see Sections IV.D.4 and IV.D.5. Therefore, *rep\_primeiro\_nome* and *rep\_sobrenome* are effectively redundant and are not used in the aggregation methodology.

108. When two fields contain data that is highly correlated, it is common practice in probabilistic record linkage to combine their information into a single variable.<sup>33</sup> In the case where fields are highly correlated and the contents of one field is largely subsumed by that of the other field (as typically occurs with fields describing smaller vs. larger geographic regions such as ZIP Code vs. state), the combined variable would provide little additional linkage value over the more specific of the two fields. As a result, the aggregation methodology includes the more

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<sup>33</sup> Supplement S4.1 of Enamorado, T., Fifiield, B., and Imai, K. (2019). Using a probabilistic model to assist merging of large-scale administrative records. *American Political Science Review*, 113(2), 353-371.



specific field *rep\_cep* but not the fields *rep\_bairro*, *rep\_cidade*, *rep\_uf*, or *rep\_pais*. The linkage value of the following fields are substantially subsumed by that of the higher quality fields that I do include:

- The field *rep\_bairro*, which I understand is meant to contain the user's address component consisting of the district or neighborhood within a city, is null or empty for 37.44% of User Accounts. The value of this field often appears to be such a district or neighborhood (e.g., "centro" or "pudong"), although it sometimes appears to instead be a city name itself (e.g., "Funchal" or "Lisboa") or occasionally a larger region (e.g., "Madeira") or garbage (e.g., "," or ".."). The information *rep\_barrio* provides towards potential linkage is substantially subsumed by the *rep\_cep* (ZIP Code analogue) field, which is of high quality. As a result, *rep\_barrio* is not included in the aggregation methodology.
- The field *rep\_cidade*, which I understand is meant to contain the city component of the user's address, is never null or empty. The values in this field appear to predominantly include a city name (e.g., "Phnom Penh", "framingham"), but there are occasional garbage values (e.g., "." or "1"). The information it provides towards potential linkage is substantially subsumed by the *rep\_cep* (ZIP Code analogue) field, which is of high quality and more specific. As a result, *rep\_cidade* is not included in the aggregation methodology.
- The field *rep\_uf*, which I understand is meant to contain the state component of the user's address, is null for 2.00% of User Accounts. It appears to predominantly be a short alphabetical string (e.g., "MA", "LIM") or short numerical string (e.g., "30", "11"). The information it provides towards potential

linkage is substantially subsumed by the *rep\_cep* (ZIP Code analogue) field, which is of high quality and much more specific. As a result, *rep\_uf* is not included in the aggregation methodology.

- The field *rep\_pais*, which I understand is meant to contain a 2-letter code for the country component of the user's address, is never null or empty. It provides little linkage value because of the small number of typical values (e.g., over 55% of User Accounts have one of the top 5 codes), and also because the information it provides is substantially subsumed by other address components such as *rep\_cep* (ZIP Code analogue) that are used. As a result, *rep\_pais* is not included in the aggregation methodology.
- The field *transaction* is null on 0.11% of User Accounts, and agrees in its value with the field *rep\_login* on 99.85% of User Account records. As such, its linkage value is almost entirely subsumed by that of *rep\_login* (which is used for linkage). As a result, *transaction* is not included in the aggregation methodology.

109. The following fields contain information not related to a Participant's identity and do not provide much, if any, linkage value:

- The field *rep\_id\_pai* is null for 81.56% of User Accounts. The field *rep\_id\_direto* is always non-null. I understand that the meaning of these fields is related to a User Account's "placement in [the] pyramid", rather than any information about the Participant. Therefore *rep\_id\_pai* and *rep\_id\_direto* are not included in the aggregation methodology.
- The field *rep\_lado* is null or empty for 81.57% of User Accounts. I understand that the meaning of this field is related to a User Account's "placement on [the]

left side or right side of [the] pyramid”, rather than any information about the Participant. Therefore, *rep\_lado* is not included in the aggregation methodology.

- The fields *ord\_id\_disk* and *rep\_id\_disk* are each null for 6.35% of User Accounts. I understand that the meaning of these fields contains a “phone plan related” datum of the account (that is to say, related to the VoIP product TelexFree sold), rather than any information about the Participant. Therefore, *ord\_id\_disk* and *rep\_id\_disk* are not included in the aggregation methodology.
- The field *rep\_pwd* is never null or empty, is always 32 characters, and appears to be a hexadecimal hash (e.g., as produced by md5sum). I understand that the meaning of this field is “system generated password”. As such, *rep\_pwd* does not seem to provide information about the Participant. Therefore, *rep\_pwd* is not included in the aggregation methodology.

110. Finally, the following fields in the dataset are mostly zero, empty, or null for each record and do not provide much, if any, linkage value:

- The field *rep\_comp* is null in 97.33% of User Accounts. In the remaining 2.67% of records, it appears to contain an address component of some sort, although the nature of the address component varies across the data, e.g., apartment number (“Ste 56”), city name (“beijing”), street name (“calle principal”), neighborhood (“barrio el carmen 6155”), or garbage (“...”). Due to a high presence of null values, and the inconsistent meaning of values, this field is not included in the aggregation methodology.

- The field *rep\_ticket\_id* is empty on 97.90% of User Accounts. Additionally, I understand that it is one of several “Administrative fields”, and this field is therefore not included in the aggregation methodology.
- The field *token* is null or empty for 99.378% of User Accounts, and this field is therefore not included in the aggregation methodology.
- The field *rep\_obs* is null or empty for 99.900% of User Accounts, and this field is therefore not included in the aggregation methodology.
- The field *token\_secondary* is null or empty for 99.944% of User Accounts, and this field is therefore not included in the aggregation methodology.
- The field *chargeback* has value “0” on 99.954% of User Accounts, and this field is therefore not included in the aggregation methodology.
- The field *blocked* has value “0” on 99.991% of User Accounts, and this field is therefore not included in the aggregation methodology.
- The field *unsubs\_trans* has value “0” on 99.997% of User Accounts, and this field is therefore not included in the aggregation methodology.
- The field *unsubs\_mark* has value “0” on 99.997% of User Accounts, and this field is therefore not included in the aggregation methodology.
- The field *rep\_cnpj* is null or empty for 99.998% of User Accounts, and this field is therefore not included in the aggregation methodology.
- The field *rep\_rg* is null or empty for 99.999% of User Accounts, and this field is therefore not included in the aggregation methodology.
- The field *rep\_razao\_social* is null or empty for 99.999% of User Accounts, and this field is therefore not included in the aggregation methodology.

- The field *rep\_sexo* is null for 99.999% of User Accounts, and this field is therefore not included in the aggregation methodology.
- The field *rep\_ssn* consists entirely of null or empty values, and this field is therefore not included in the aggregation methodology.
- The fields *cod\_rep\_cidade*, *cod\_rep\_uf*, and *cod\_rep\_pais* consist entirely of null values, and are therefore not included in the aggregation methodology.

#### IV. AGGREGATION METHOD

##### A. Hybrid Approach

111. The aggregation methodology developed by Borelian, under my direction, is mainly probabilistic in its approach because it is necessary to have a probabilistic step in the aggregation methodology to account for near-misses in data field matching, to assign partial credit for various fields based on these near-misses, and to account for all of this information when forming clusters.<sup>34</sup> However, a deterministic step that precedes the probabilistic step is helpful for several reasons. First, there is a huge number of pairs of User Account records in the TelexFree dataset that match exactly (after cleaning) on all 8 of the highest quality fields; those pairs can be declared a match without resorting to any further probabilistic analysis.<sup>35</sup> In fact, the dataset is of sufficiently high quality that these exact matches alone constitute a substantial portion of the eventual output. Second, reducing the size of the input is useful for effective implementation of a probabilistic method: adding the deterministic step reduces the number of

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<sup>34</sup> “Whereas deterministic linkage is most suitable when unique identifiers are available and the quality of the data are high, probabilistic linkage yields better results when unique identifiers are lacking or in situations where there is variation in reporting or transcription of personal identifiers...” (Kabudula, C.W., Clark, B.D., Gómez-Olivé, F.X., Tollman, S., Menken, J. and Reniers, G. The promise of record linkage for assessing the uptake of health services in resource constrained settings: a pilot study from South Africa. *BMC Med Res Methodol* 2014; 14, 71.)

<sup>35</sup> “Typical Assumptions Made ... If two records/mentions are identical, then they are true matches” (L. Getoor and A. Machanavajjhala, Entity Resolution: Tutorial, *Advances in Social Network Analysis and Mining*, 2012.

records from approximately 11 million User Accounts to approximately 4 million groups of User Accounts, which results in a large reduction in the number of pairs under consideration for probabilistic analysis. Therefore, the aggregation methodology consists of a hybrid approach, in which a deterministic step is followed by a probabilistic step. Such a combination is a standard approach, often leading to better matching results.<sup>36</sup>

## B. String Nearness Measures

112. String nearness match (“fuzzy matching”) plays an important role in probabilistic record linkage.<sup>37</sup> There is a wide range of techniques for string nearness matching. Two Python packages that implement a number of these techniques are FuzzyWuzzy and RapidFuzz.<sup>38</sup> (Python is a programming language commonly used in data analysis; many packages exist on top of Python to extend its functionality into specific domains.) I used RapidFuzz to perform string nearness matching between cleaned values of the fields I used in the aggregation methodology (*rep\_nome*, *rep\_email*, etc.).

113. Specifically, for blocking in Step 4 and in the rubric application in Step 5, I use three different string nearness methods from RapidFuzz — *ratio*, *WRatio*, and *jwsim* — each with its own strengths.<sup>39</sup> All three functions are used with the *default\_process* processor and produce values between 0 (non-match) and 100 (perfect match).

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<sup>36</sup> Ong TC, Duca LM, Kahn MG, and Crume TL. A hybrid approach to record linkage using a combination of deterministic and probabilistic methodology. *J Am Med Inform Assoc.* 2020;27(4):505-513. See also Kabudula et al. (2014) above.

<sup>37</sup> Scott L DuVall, Richard A Kerber, and Alun Thomas. Extending the Fellegi-Sunter probabilistic record linkage method for approximate field comparators, *J Biomed Inform.* 2010; 43(1):24-30.

<sup>38</sup> FuzzyWuzzy is a Python package developed and maintained by SeatGeek, the largest event ticket search engine (see <https://chairnerd.seatgeek.com/fuzzywuzzy-fuzzy-string-matching-in-python/> for more details). RapidFuzz is another popular Python package that implements FuzzyWuzzy’s algorithms in native C++ for faster performance (see <https://github.com/maxbachmann/RapidFuzz> for more details).

<sup>39</sup> “Such comparison functions need to be tailored to the type of data that are being compared.” Section 5.1 of P. Christen, *Data Matching*, Data-Centric Systems and Applications, Springer-Verlag, 2012.

- *ratio* is a standard string nearness measure that is part of the *difflib* Python package; *difflib* itself is a built-in Python library, which speaks to its ubiquity. *ratio* is used by both RapidFuzz and FuzzyWuzzy. The *ratio* nearness measure involves “find[ing] the longest contiguous matching subsequence that contains no “junk” elements; these “junk” elements are ones that are uninteresting in some sense, such as blank lines or whitespace ... This does not yield minimal edit sequences, but does tend to yield matches that “look right” to people.”<sup>40</sup> *ratio* is good at avoiding typos, treats various parts of the string the same (unlike *jwsim*), and is good at grouping together edits that occur in a similar part of the string. As a result, I use it for nearness matching in the cleaned versions of *rep\_nome*, *rep\_email*, *rep\_cel*, *rep\_fone*, *rep\_cep*, *rep\_numero*, *rep\_login*, and *rep\_cpf* fields, as well as the derived quantities of “first and last token of name” and “the part of the email address before the @ sign” that are defined using *firstLast* and *beforeAt* functions in Step 5 of the aggregation methodology.
- *WRatio* is an “attempt to weight (the name stands for 'Weighted Ratio') results from different algorithms to calculate the 'best' score”.<sup>41</sup> It uses *ratio* as well as variants of *ratio* that are good at finding whole tokens in any order. (Again, a token is a sequence of non-space characters separated by a space; in “Quick brown fox”, the tokens are “Quick”, “brown”, and “fox”.) As a result, I use it for nearness matching on the cleaned version of the *rep\_nome* field, which has multiple names in various orders, sometimes with typos (e.g., “maria teresa

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<sup>40</sup> <https://docs.python.org/3/library/difflib.html>

<sup>41</sup> <https://stackoverflow.com/questions/31806695/when-to-use-which-fuzz-function-to-compare-2-strings>

milagres neves”, “maria teresa neves”, “marai teresa neves”, maria milagres”, and “maria t m neves” may all refer to the same name).

- *jwsim* is an implementation of the Jaro-Winkler similarity measure that is a staple of probabilistic record linkage.<sup>42</sup> Jaro-Winkler similarity gives a higher score to strings that match in the earlier part of the string (unlike other measures that do not consider the location of the edits). As a result, I use it on the cleaned version of the *rep\_end* field, which contains addresses whose endings often vary more than their beginnings (e.g., “13 Maple St. Apt 17”, “13 Maple”, and “13 Maple Street” may all refer to the same address).

### C. Software and Computing Infrastructure Utilized

114. Many software tools have been created that implement the algorithms, methods, and processes necessary for the probabilistic record linkage that I have described above. Of these, I make key use of Splink, a Python package for probabilistic record linkage that is maintained and published by the UK Ministry of Justice and peer-reviewed by the UK Office for National Statistics<sup>43</sup>. The Splink package implements the Fellegi-Sunter model (described above in Section II.A.5.i) of probabilistic record linkage, including the EM algorithm (also described above in II.A.5.i) to estimate parameters of the model (collectively, “FS-EM”).

115. Most FS-EM implementations are not up to the task of handling very large datasets (like the TelexFree dataset): “although there exists a well-known statistics literature on probabilistic record linkage ... the current open-source implementation does not scale to large data sets commonly used in today’s social science research.”<sup>44</sup> The fastLink package for R

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<sup>42</sup> Winkler, W. E. String Comparator Metrics and Enhanced Decision Rules in the Fellegi-Sunter Model of Record Linkage. *Proceedings of the Section on Survey Research*. American Statistical Association, pp. 354–359, 1990.

<sup>43</sup> <https://github.com/moj-analytical-services/splink>

<sup>44</sup> Enamorado, T., Fifield, B., and Imai, K. (2019). Using a probabilistic model to assist merging of large-scale



(another programming language) solves this problem by providing “a fast and scalable implementation of the canonical probabilistic record linkage model originally proposed by Fellegi and Sunter”<sup>45</sup> and adding parallelization. The Splink package implements the same statistical model as fastLink, but in Python: “The [Splink] package closely follows the approach described in fastLink. In particular it implements the same mathematical model and likelihood functions described in the fastLink paper ... with a comprehensive suite of tests to ensure correctness of the implementation”.<sup>46</sup>

116. The science behind Splink and fastLink has been extensively tested and peer-reviewed. The statistical model is described in a paper authored by researchers from Harvard and Princeton and published in a peer-reviewed journal<sup>47</sup>; that paper has been cited over 100 times in just the past 3 years. The continued existence and active public maintenance, by a number of contributors, of the Splink and fastLink packages speaks to the standards controlling their operation and to the wide acceptance in the scientific community of the underlying science.

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administrative records. *American Political Science Review*, 113(2), 353-371.

<sup>45</sup> Id.

<sup>46</sup> UK Office of National Statistics. (2021). Splink: MoJ’s open source library for probabilistic record linkage at scale. Retrieved from <https://www.gov.uk/government/publications/joined-up-data-in-government-the-future-of-data-linking-methods/splink-moj-s-open-source-library-for-probabilistic-record-linkage-at-scale>

<sup>47</sup> Enamorado, T., Fifield, B., and Imai, K. (2019). Using a probabilistic model to assist merging of large-scale administrative records. *American Political Science Review*, 113(2), 353-371.

Additionally, fastLink is commonly used in academic record linkage<sup>48 49</sup> and Splink is used at scale in the UK Ministry of Justice.<sup>50</sup>

117. I also use the Pandas<sup>51</sup> package for Python, a ubiquitous data analysis framework<sup>52</sup> that is convenient for transforming and cleaning selected fields, performing deterministic record linkage, assisting in performing the blocking step, computing gamma values for the comparison vector, and in the dynamic clustering step. I use Pandas in combination with Splink to perform the probabilistic record linkage step and fixed-threshold clustering.

118. I used string nearness measures provided by the RapidFuzz package, as described in Section IV.B. These are used in the blocking step and in computing gamma values for the comparison vector.

119. I used a massively parallel cloud computing infrastructure (on Microsoft Azure) with hundreds of CPU cores and terabytes of RAM to perform the steps of the aggregation methodology.

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<sup>48</sup> “To shed light on this debate, we apply a probabilistic record linkage model, implemented via the open-source software package fastLink, to merge two major election studies—the American National Election Studies and the Cooperative Congressional Election Survey—with a national voter file of over 180 million records.” (T. Enamorado and K. Imai. Validating Self-Reported Turnout by Linking Public Opinion Surveys with Administrative Records. *Public Opinion Quarterly*, Volume 83, Issue 4, Winter 2019, pp. 723–748.

<sup>49</sup> “The highly computationally efficient open-source probabilistic record linkage package fastLink (v. 0.5.1) (7) was adapted to utilize the name-matching classifiers described here during record linkage. The package follows an extended Fellegi-Sunter framework (24) for probabilistic record linkage.” (P. A. Collender et al. Machine-learning classifiers for logographic name matching in public health applications: approaches for incorporating phonetic, visual, and keystroke similarity in large-scale probabilistic record linkage. *arXiv:2001.01895*, 2020.)

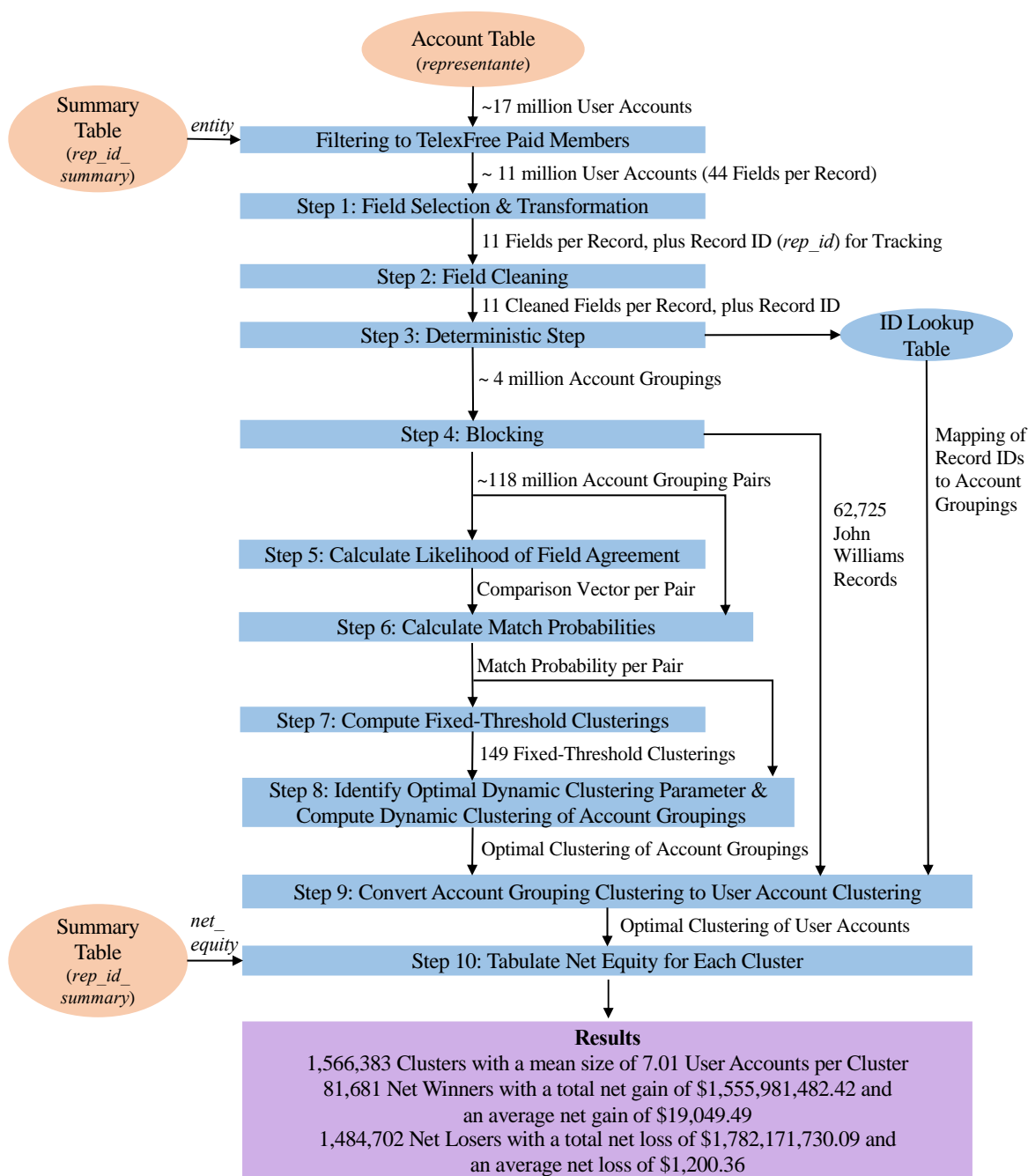
<sup>50</sup> Tom Jackson, Caris Greyson, Ian Rickard and Andromachi Tseloni. Data First: Criminal Courts Linked Data. An exploratory analysis of returning defendants and the potential of linked criminal courts data from 2011 to 2019 in England and Wales. Ministry of Justice Analytical Series, UK Ministry of Justice, 2022.

<sup>51</sup> <https://pandas.pydata.org/>

<sup>52</sup> Wes McKinney, *Python for Data Analysis*, 2<sup>nd</sup> Edition, 2017.

#### D. Steps in the Aggregation Methodology

120. The aggregation methodology consists of 10 steps. The following flowchart illustrates the movement of data through the aggregation methodology, from inputs to output.



**1. Step 1: Selecting and Transforming the Fields**

121. Based on the analysis of data field quality in Section III.B above, I selected the following fields in the *representante* table (Account Table) to use in the aggregation methodology: *rep\_nome* (name), *rep\_email* (email), *rep\_cel* (cell phone), *rep\_fone* (phone), *rep\_end* (street name), *rep\_numero* (house number), *rep\_cep* (ZIP code analogue), *rep\_pwd\_secondary* (hashed password), *rep\_cpf* (SSN analogue), *rep\_datanasc* (date of birth), and a truncated version of *rep\_login* (login name), as I now describe.

122. The *rep\_login* field is of high quality, as described in Section III.B.2. However, the values of the *rep\_login* field are unique to each User Account by design, as every User Account needed to have a different login. However, using the field without transforming its values would render the deterministic step moot, as no User Account agrees exactly with any other on the *rep\_login* field. I address this issue by using a truncated version of the *rep\_login* values. (Truncation here means using the first N characters or the last N characters, for an appropriate choice of number N.) A truncated version of the *rep\_login* field provides high linkage value: an examination of the values of the *rep\_login* field in conjunction with *rep\_nome* suggests that many Participants used a variation on the same login pattern across multiple accounts. Specifically, it appears that Participants often used a fixed alphabetical prefix followed by a numeric number suffix (e.g., “ttmilagres3”, “ttmilagres6”, “ttmilagres9”). In many cases, these numeric suffixes were even sequential (e.g., “callandsave2”, “callandsave3”, “callandsave4”). In other cases, an incrementing numeric prefix preceded the alphabetical suffix (e.g., “1000despiste”, “1001despiste”, “1002despiste”), but this was less common.

123. A natural transformation for the *rep\_login* field was to truncate it to preserve the pattern Participants tended to follow, that of using the same alphabetical pattern followed by a different number for each of their various login names. By using truncated values, in the case of

a Participant using an alphabetical prefix scheme for *rep\_login*, many of their account records will match exactly (and others by fuzzy matching techniques). For the less common case of a numerical prefix with an alphabetical suffix, this truncation scheme may lead to fewer exact matches (post-truncation), but even then, the truncated *rep\_login* values may be matched by fuzzy matching techniques.

124. Based on examination of the average length of the alphabetical and numeric components of *rep\_login* values and a manual review of a representative sample of the field's values, a prefix length of 4 was determined to be the optimal choice for truncation. Therefore, the first four characters of *rep\_login* values for each User Account are used in the aggregation methodology.

125. In addition to these 11 fields, the field *rep\_id* is used to identify each User Account record (as described above in Section III.B), but it is not itself used for any linkage determinations.

## **2. Step 2: Cleaning the Fields**

126. Once the fields were selected for use in the aggregation methodology, I applied standard cleaning techniques to the values of each field. The field *rep\_nome* was transformed to *clean\_rep\_nome*, the field *rep\_email* to *clean\_rep\_email*, etc. As previously described, the goal of data cleaning is to ensure that the data in each selected field across all records is consistent and uniform so as to maximize the linkage value between the values of the fields. The data cleaning techniques used for each field varied, but were generally designed to apply industry-accepted transformations<sup>53</sup>, such as transforming to lowercase and eliminating spaces and

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<sup>53</sup> Randall, S.M., Ferrante, A.M., Boyd, J.H., and Semmens J.B. The effect of data cleaning on record linkage quality. *BMC Med Inform Decis Mak* 13, 64 (2013).

garbage characters, while retaining the informational content of the field to the maximum extent possible.

127. For all 11 selected fields, I first performed a basic cleaning step: leading and trailing spaces were removed, all characters were converted to their lowercase equivalent, and multiple consecutive internal spaces within the field were converted to a single space. Depending on the field, additional cleaning steps were also performed as described below. Finally, strings for which this process resulted in an empty string were replaced with null.

128. For *rep\_nome* (name), the additional cleaning steps consist of: (a) replacing, by the empty string, any values of length 1; (b) replacing, by the empty string, any values of length 3 where the second character is a space and the first and third characters are standard Latin alphabetical (a-z) or digit (0-9) characters. For example, “a a” or “1 1” are both replaced by the empty string. This pattern occurs in just 1.37% of the User Accounts, but replacing it with the empty string avoids a substantial increase in blocking size.

129. For *rep\_email* (email), all spaces were removed. (Participants sometimes entered values for *rep\_email* that appear to be valid email addresses except for extra spaces.)

130. For *rep\_cel* (cell phone) and *rep\_fone* (phone), all non-digit (0-9) characters were removed, and then the value was truncated to the last 7 characters (e.g., “+1 (202) 867-5309” would be cleaned to “8675309”). The non-digit characters were removed because phone numbers are numeric in nature. Only the last 7 digits<sup>54</sup> were used in order to make it easier for phone numbers to agree (whether or not they include full country code or area code). For

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<sup>54</sup> The parameter of 7 digits was chosen because it is a reasonable lower bound on global phone number length. Specifically, North American phone numbers are typically 10 digits long or 7 if the area code is not specified (see “North American Numbering Plan”, retrieved from [https://en.wikipedia.org/wiki/North\\_American\\_Numbering\\_Plan](https://en.wikipedia.org/wiki/North_American_Numbering_Plan)), and Brazilian phone numbers are typically 10 or 11 digits long, or 8 or 9 without area code (see “Telephone numbers in Brazil”, retrieved from [https://en.wikipedia.org/wiki/Telephone\\_numbers\\_in\\_Brazil](https://en.wikipedia.org/wiki/Telephone_numbers_in_Brazil)).

example, “2028675309” and “8675309” are very likely to refer to the same phone number, even as there is a small possibility of multiple phone numbers being collapsed to the same one by this cleaning step.

131. The values of *rep\_end* (street name), *rep\_numero* (house number), *rep\_cep* (ZIP code analogue) were not cleaned beyond the basic cleaning step described above.

132. The truncated values of *rep\_login* (login name), were not cleaned beyond the basic cleaning step.

133. The values of *rep\_pwd\_secondary* (hashed password) were not further cleaned, because they contain the automatically-generated output of a hash function<sup>55</sup>.

134. The values of *rep\_cpf* (SSN analogue) were further cleaned by removing all characters other than the standard Latin alphabetical (a-z) and digit (0-9) characters, followed by another round of the basic cleaning step (to collapse multiple internal spaces).<sup>56</sup> While this may remove some structure (e.g., hyphens or spaces between components of the SSN analogue), this was outweighed by the additional linkages generated as a result of this cleaning.

135. The values of *rep\_datanasc* (date of birth) were not cleaned beyond the basic cleaning step described above, because these values already follow a standardized format for date (e.g., “1985-08-21”) when present.

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<sup>55</sup> For 19 of the 10,987,617 values of *rep\_pwd\_secondary*, there was a “-T” suffix after the md5sum hash, making the value 34 characters long. It is possible that these values were manually modified by a database administrator to disable the login of those users. In any case, these were the only records for which the value of *rep\_pwd\_secondary* did not follow the standard 32-character hexadecimal md5sum hash convention. As part of the cleaning, I removed the “-T” suffix in these 19 cases.

<sup>56</sup> This is consistent with standard schemes for national ID numbers, which tend to use Latin and digit characters, even in countries where non-Latin alphabets are in common use (see “National identification number”, retrieved from [https://en.wikipedia.org/wiki/National\\_identification\\_number](https://en.wikipedia.org/wiki/National_identification_number)).

### 3. Step 3: Deterministic Step

136. The aggregation methodology performs a deterministic step by aggregating User Accounts into account groupings. In order for User Accounts to be placed into the same account grouping, exact agreement is required on these 8 fields: *clean\_rep\_nome*, *clean\_rep\_email*, *clean\_rep\_cel*, *clean\_rep\_fone*, *clean\_rep\_end*, *clean\_rep\_numero*, *clean\_rep\_cep*, and *clean\_rep\_login*. The (non-null) values of the remaining 3 fields, *clean\_rep\_pwd\_secondary*, *clean\_rep\_cpf*, and *clean\_rep\_datanasc*, are combined into sets of values in the account grouping.

137. For example, consider a dataset containing the following two User Accounts:

Field	User Account 1	User Account 2
<i>clean_rep_nome</i>	maria teresa neves	maria teresa neves
<i>clean_rep_email</i>	ttmilagres@gmail.com	ttmilagres@gmail.com
<i>clean_rep_cel</i>	9043810	9043810
<i>clean_rep_fone</i>	9043810	9043810
<i>clean_rep_end</i>	2b brackett rd	2b brackett rd
<i>clean_rep_numero</i>	2b	2b
<i>clean_rep_cep</i>	01702	01703
<i>clean_rep_login</i>	call	call
<i>clean_rep_pwd_secondary</i>	c99fb769d8bcee32879 36bf71335976e	c99fb769d8bcee328793 6bf71335976e
<i>clean_rep_cpf</i>	950890438	012901903
<i>clean_rep_datanasc</i>	1953-10-15	1953-10-15

In the deterministic step, they will become the following account grouping:

Field	Account Grouping 1
<i>clean_rep_nome</i>	maria teresa neves
<i>clean_rep_email</i>	ttmilagres@gmail.com



clean_rep_cel	9043810
clean_rep_fone	9043810
clean_rep_end	2b brackett rd
clean_rep_numero	2b
clean_rep_cep	01702
clean_rep_login	call
clean_rep_pwd_secondary_set	[c99fb769d8bcee3287936bf71335976e]
clean_rep_cpf_set	[950890438, 012901903]
clean_rep_datanasc_set	[1953-10-15]

138. On the other hand, a pair of User Accounts that differ on any of the first 8 cleaned fields are placed in different account groupings.

139. When considering agreement on the first 8 cleaned fields for a pair of User Accounts, a pair of values for a given field is deemed to exactly agree when they have the same non-null value. If either value is null, the User Accounts are deemed to disagree on that field.

140. This deterministic step has minimal effect on the output of the aggregation methodology, because any User Accounts that are part of the same account grouping were already extremely likely to be matched during the probabilistic step. However, the deterministic step is extremely useful in practice, as it makes it computationally reasonable to perform probabilistic linkage methods on a dataset as large as the TelexFree dataset.

141. Each account grouping is assigned a new unique id, called *ag\_rep\_id*, to keep track of the newly grouped User Accounts. The *ag\_rep\_id* value is defined to be the lowest *rep\_id* value occurring among its User Accounts.

142. The deterministic step results in 4,367,728 account groupings. Each account grouping is a grouping of one or more User Accounts. For analysis purposes, each account

grouping is treated as equivalent to a separate record in the blocking and probabilistic linkage steps. (Account groupings will be expanded back into their constituent User Accounts in Step 9.)

143. In addition to forming the set of account groupings as described above, I also generate a lookup table mapping each User Account (identified by the *rep\_id* field) to its account grouping (identified by the *ag\_rep\_id* field). This lookup table will be used in Step 9 (when these account groupings will be “ungrouped” back into User Accounts).

#### **4. Step 4: Blocking**

144. As previously described (in Section II.A.5.iii), when a dataset is large, it may be computationally unreasonable to run the FS-EM algorithm on the set of all pairs of records directly. This is the case in the TelexFree dataset: because it has approximately 4 million account groupings, there are approximately 10 *trillion* pairs of account groupings. Due to this large number, it is advantageous to use a technique known as “blocking” to reduce the number of pairs of account groupings under consideration to a much smaller number.

145. The restriction to a smaller subset of pairs is justified only if every pair that is excluded would have been very unlikely to match, had it been considered. In other words, if a pair is at all likely to match, it is important to keep it under consideration. On the other hand, the presence of a pair of account groupings in the blocking set does not signal that the pair is necessarily likely to be a match; rather, it simply means that the pair meets the minimum requirement to be further considered.

146. The blocking step<sup>57</sup> involves specifying a blocking scheme (described in detail below), which is the criterion that each pair of account groupings must pass in order to remain in

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<sup>57</sup> I use the word “blocking” to refer to this entire step; some literature would describe this step as technically involving a combination of blocking and “indexing by disjunctions”. In fact, “[t]he terminology is not standardized

the blocking set. Once the blocking step is complete, the blocking set is passed along to the next step in the aggregation methodology.

147. Since any pair not in the blocking set will (implicitly) be assigned a match probability 0, blocking should generally be inclusive, balanced by the need to avoid generating a computationally unreasonably large blocking set. The size of a blocking set is the size of the union of its components, so if any single component results in an unreasonably large set, then the entire blocking set will be too large.

148. Because of the special role that the name field plays in the TelexFree dataset (see Section III.B.1 above), it is important that no pairs of account groupings that substantially disagree on the name end up matched together. I use blocking as a mechanism to accomplish this goal, by ensuring that the blocking set contains only pairs of account groupings with substantial agreement on name. In this way, only such pairs (i.e. those with substantial agreement on name) are even considered for potential linkage.

149. The way I accomplish this is for every blocking rule to be conjunctively joined with a rule ensuring name agreement, as I will describe. On the other hand, there is no need to have a blocking rule that involves only the name field. If two account groupings agree only on name, and substantially disagree on all other fields, then the aggregation procedure is likely to deem them a non-match. As a result, I do not have a blocking rule that contains only the name field.

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in the literature.” (footnote 1 on p. 4 of J.S. Murray, 2016, “Probabilistic Record Linkage and Deduplication after Indexing, Blocking, and Filtering”. *Journal of Privacy and Confidentiality* (2015–2016) 7:1, pp. 3–24.)

150. I choose all 11 cleaned fields from the previous step of the aggregation methodology to be used in the blocking scheme, with the exception of *clean\_rep\_nome* (for reasons just described), and *clean\_rep\_numero*.<sup>58</sup>

151. A very natural blocking scheme is the disjunction of one rule for each of the fields chosen to be part of the blocking scheme, where this rule captures all pairs of records that are sufficiently near on the given field. For the TelexFree dataset, the first such rule is:

- $ratio(accountGrouping1.clean\_rep\_email, accountGrouping2.clean\_rep\_email) \geq 75$

for a pair consisting of (accountGrouping1, accountGrouping2), where *ratio* is the nearness measure described in Section IV.B.

152. There are additional rules of the same form, for each of the other fields that are part of the blocking scheme:

- $ratio(accountGrouping1.clean\_rep\_cel, accountGrouping2.clean\_rep\_cel) \geq 75$
- $ratio(accountGrouping1.clean\_rep\_fone, accountGrouping2.clean\_rep\_fone) \geq 75$
- $jwsim(accountGrouping1.clean\_rep\_end, accountGrouping2.clean\_rep\_end) \geq 75$
- $ratio(accountGrouping1.clean\_rep\_cep, accountGrouping2.clean\_rep\_cep) \geq 75$
- $ratio(accountGrouping1.clean\_rep\_login, accountGrouping2.clean\_rep\_login) \geq 75$
- $accountGrouping1.clean\_rep\_pwd\_secondary\_set$  has nonempty intersection with  $accountGrouping2.clean\_rep\_pwd\_secondary\_set$
- $ratio(clean\_rep\_cpf1, clean\_rep\_cpf2) \geq 88$

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<sup>58</sup> The field *clean\_rep\_numero* is not included in the blocking scheme because (1) the *clean\_rep\_numero* field has many values with high frequency (e.g., “1”, “2”, etc.) that make the blocking too large if the field were used along with *clean\_rep\_nome* but no third field, and (2) a pair that matched on only *clean\_rep\_nome* and *clean\_rep\_numero* would be of sufficiently poor quality that it need not be included in the blocking set, whereas a pair matching on *clean\_rep\_nome*, *clean\_rep\_numero*, and any third field would already be included in the blocking set.

- for some *clean\_rep\_cpf1* in *accountGrouping1.clean\_rep\_pwd\_secondary\_set*  
and some *clean\_rep\_cpf2* in *accountGrouping2.clean\_rep\_pwd\_secondary\_set*
- *accountGrouping1.clean\_rep\_datanasc\_set* has nonempty intersection with  
*accountGrouping2.clean\_rep\_datanasc\_set*

where *ratio* and *jwsim* are the nearness measures described in Section IV.B.

153. Each of these blocking rules is conjunctively joined with the following rule ensuring name agreement:

*WRatio*(*accountGrouping1.clean\_rep\_nome*,  
*accountGrouping2.clean\_rep\_nome*) >= 85.5  
AND

(*ratio*(*accountGrouping1.clean\_rep\_nome*,  
*accountGrouping2.clean\_rep\_nome*) >= 70

OR

*ratio*(*firstLast*(*accountGrouping1.clean\_rep\_nome*),  
*firstLast*(*accountGrouping2.clean\_rep\_nome*)) >= 80)

where *WRatio* and *ratio* are the nearness measures described in Section IV.B and where *firstLast* is a function that returns the first and last token of a string. (For mononyms, the entire string is returned.) For example:

- *firstLast*("Maria Teresa Milagres Neves") = "Maria Neves"
- *firstLast*("Maria Milagres Neves") = "Maria Neves"
- *firstLast*("Maria Neves") = "Maria Neves"

154. This name rule captures the various ways that a pair of names can substantially agree. In particular, the *WRatio* clause allows for tokens in the name to be dropped or added so long as there is substantial agreement on the rest. The *firstLast* clause allows for tokens to be

dropped or added in the middle of the name so long as the first and last tokens agree. For example,

- $WRatio(\text{"Maria Teresa Milagres Neves"}, \text{"Teresa Milagres Neves"}) = 95$
- $ratio(firstLast(\text{"Maria Teresa Milagres Neves"}), firstLast(\text{"Maria Neves"})) = 100$

155. The choice of string nearness measure for each of the fields above is made for the reasons described in Section IV.B.

156. All of these numerical cutoffs (e.g., 75 for *clean\_rep\_email*) were chosen carefully. In order to select these cutoffs, I examined random slices of pairs of account groupings from the dataset, stratified by the value of the relevant nearness measure for that field. For each cutoff, one must balance between (a) potentially excluding pairs that are worth considering in the probabilistic record linkage process and (b) potentially letting in so many pairs that the task becomes computationally unreasonable. I chose cutoffs that erred on the side of inclusion in the blocking set, thereby giving as many pairs as possible the opportunity to participate in the probabilistic record linkage process. This choice is justified because these cutoffs are effectively insensitive in the downward direction, so long as the blocking set size remains computationally reasonable; for example, a *clean\_rep\_end* cutoff of 70 instead of 75 has little effect on the results – the probabilistic record linkage process would simply be considering a few more pairs, the overwhelming majority of which would be deemed non-matches in the end.

157. This blocking scheme, if applied to all 4,367,728 account groupings output from the deterministic step, would result in approximately 2 billion pairs of account groupings in the blocking set. While not necessarily infeasible to generate, this would be quite difficult to handle in the remaining steps. Furthermore, this large number is overwhelmingly caused by an easily identified set of accounts, which I now describe.

158. There are 62,725 User Accounts that include a *rep\_nome* value of “John Williams”. They all have *rep\_email* (email) with a “mailinator.com” domain, and all have *rep\_end* (street name) of the form “534 Warry Lane” with differing numbers in the place of “534”. Furthermore, they are the only accounts with the latter two properties (email address ending in “mailinator.com” and street name ending in “Warry Lane”) at all, and by a semi-manual inspection of records having a fuzzy match on name, it is clear that no other User Account is remotely similar enough to any of these 62,725 User Accounts to be matched with any of them according to the rest of the aggregation methodology. This is more than enough information to justify manually combining these 62,725 User Accounts into a single cluster that contains no other accounts.

159. It is worth noting that because these records differ from each other on the *full* email address and house address, they were not grouped together in the deterministic step (in fact, each of these User Accounts formed an account grouping with just a single User Account). If the account groupings with name “John Williams” were not excluded from blocking, every pair of records with both name values “John Williams”, which make up a large portion of the total potential 2 billion pairs output from the blocking scheme, would make it into the blocking set. Hence, for computational reasons, the pairs attributable to John Williams are excluded from the blocking step and subsequent aggregation steps and are all assigned to be in the same cluster as each other (with no other User Accounts) at Step 9 after the final clustering is computed.

160. After excluding the John Williams pairs, the output of the blocking step is a blocking set consisting of 117,563,883 pairs of account groupings.

## 5. Step 5: Rubric Application to Calculate Gammas

161. This step considers every pair of account groupings in the blocking set, and assigns each such pair a comparison vector, containing “gamma” values for the cleaned fields.<sup>59</sup>

162. The gamma value of -1 is reserved for cases where data is missing in at least one account grouping of the pair; I do not describe this case explicitly in the discussion or code below.

163. Typically, larger values of gamma denote more agreement between a pair and 0 denotes the least agreement between a pair. In general, the gamma value indicates the degree of agreement, discretized (see Paragraph 59) to a small number of values representing, for example, “substantial disagreement”, “substantial agreement”, or “exact agreement”. In most cases, the gamma value is determined by applying cutoffs to the result of an appropriate string nearness measure. I now describe the way the gamma value is generated for each field.

164. The gamma values for the *clean\_rep\_nome* (cleaned name) comparisons are grouped into six categories. Specifically<sup>60</sup>:

*gamma\_clean\_rep\_nome*:

- 5 if *nome\_ratio* == 100
- 4 if (*nome\_ratio* >= 95) or (*firstLast\_ratio* == 100)
- 3 if (*nome\_ratio* >= 88) or (*firstLast\_ratio* >= 95)
- 2 if (*nome\_ratio* >= 80) or (*firstLast\_ratio* >= 88)
- 1 if (*nome\_ratio* >= 70) or (*firstLast\_ratio* >= 80)
- 0 otherwise

where

- *firstLast* returns just the first and last token (excluding all middle names), as described above
- *nome\_ratio* = *ratio*(accountGrouping1.*clean\_rep\_nome*,

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<sup>59</sup> The fields *clean\_rep\_cel* and *clean\_rep\_fone* are combined into a single gamma field, as described below.

<sup>60</sup> Each gamma value is given by the first line whose condition matches.



$\text{accountGrouping2.clean\_rep\_nome})$

- $\text{firstLast\_ratio} = \text{ratio}(\text{firstLast}(\text{accountGrouping1.clean\_rep\_nome}),$   
 $\text{firstLast}(\text{accountGrouping2.clean\_rep\_nome}))$

165. The gamma values for the *clean\_rep\_email* (cleaned email) comparisons are grouped into four categories. Specifically:

*gamma\_clean\_rep\_email:*

- 3 if  $\text{email\_ratio} == 100$
- 2 if  $(\text{email\_ratio} \geq 92)$
- 1 if  $(\text{email\_beforeAt\_ratio} \geq 90)$
- 0 otherwise

where

- *beforeAt* returns the portion of the string before the first @ character
- $\text{email\_ratio} = \text{ratio}(\text{accountGrouping1.clean\_rep\_email},$   
 $\text{accountGrouping2.clean\_rep\_email})$
- $\text{email\_beforeAt\_ratio} = \text{ratio}(\text{beforeAt}(\text{accountGrouping1.clean\_rep\_email}),$   
 $\text{beforeAt}(\text{accountGrouping2.clean\_rep\_email}))$

166. The *clean\_rep\_cel* (cleaned cell phone) and *clean\_rep\_fone* (cleaned phone) comparisons get one combined gamma value grouped into four categories. It is standard to combine closely related fields into a single gamma value, as with *clean\_rep\_cel* and *clean\_rep\_fone*, so as to not “double-count” the weight of fields whose values are very often the same. It is also standard to involve quantities derived from the strings, such as minimum length restrictions in phone number, to improve the ability to detect intermediate degrees of agreement.

The gamma value for *clean\_rep\_cel* and *clean\_rep\_fone* is determined by:

*gamma\_clean\_rep\_cel\_or\_fone:*

- 3 if  $(\text{cel\_ratio} == 100)$  or  $(\text{fone\_ratio} == 100)$
- 2 if  $(\text{cel\_ratio} \geq 92)$  and  $(\text{cel\_bothLongerThan6})$
- 2 if  $(\text{fone\_ratio} \geq 92)$  and  $(\text{fone\_bothLongerThan6})$

- 1 if (*cel\_ratio* >= 83) and (*cel\_bothLongerThan6*)
- 1 if (*fone\_ratio* >= 83) and (*fone\_bothLongerThan6*)
- 0 otherwise

where

- *len* returns the length of a string
- *cel\_ratio* = *ratio*(*accountGrouping1.clean\_rep\_cel*,  
*accountGrouping2.clean\_rep\_cel*)
- *cel\_bothLongerThan6* = true if  
*len*(*accountGrouping1.clean\_rep\_cel*) >= 6 AND  
*len*(*accountGrouping2.clean\_rep\_cel*) >= 6
- *fone\_ratio* = *ratio*(*accountGrouping1.clean\_rep\_fone*,  
*accountGrouping2.clean\_rep\_fone*)
- *fone\_bothLongerThan6* = true if  
*len*(*accountGrouping1.clean\_rep\_fone*) >= 6 AND  
*len*(*accountGrouping2.clean\_rep\_fone*) >= 6.

167. The gamma values for the *clean\_rep\_end* (cleaned street name) comparisons are grouped into four categories. Specifically:

- gamma\_clean\_rep\_end*:
- 3 if *end\_jwsim* == 100
  - 2 if *end\_jwsim* >= 92
  - 1 if *end\_jwsim* >= 75
  - 0 otherwise

where

- *end\_jwsim* = *jwsim*(*accountGrouping1.clean\_rep\_end*,  
*accountGrouping2.clean\_rep\_end*)

168. The gamma values for the *clean\_rep\_numero* (cleaned house number) comparisons are grouped into four categories. Specifically:

*gamma\_clean\_rep\_numero:*

- 3 **if** *numero\_ratio* == 100
- 2 **if** *numero\_ratio* >= 82
- 1 **if** *numero\_ratio* >= 75
- 0 otherwise

where

- *numero\_ratio* = *ratio*(*accountGrouping1.clean\_rep\_numero*,  
*accountGrouping2.clean\_rep\_numero*)

169. The gamma values for the *clean\_rep\_cep* (cleaned ZIP code analogue) comparisons are grouped into four categories. Specifically:

*gamma\_clean\_rep\_cep:*

- 3 **if** *cep\_ratio* == 100
- 2 **if** *cep\_ratio* >= 82 **else**
- 1 **if** *cep\_ratio* >= 75
- 0 otherwise

where

- *cep\_ratio* = *ratio*(*accountGrouping1.clean\_rep\_cep*,  
*accountGrouping2.clean\_rep\_cep*)

170. The gamma values for the *clean\_rep\_login* (cleaned login name) comparisons are grouped into three categories. Specifically:

*gamma\_clean\_rep\_login:*

- 2 **if** *login\_ratio* == 100
- 1 **if** *login\_ratio* >= 75
- 0 otherwise

where

- *login\_ratio* = *ratio*(*accountGrouping1.clean\_rep\_login*,  
*accountGrouping2.clean\_rep\_login*)

171. The gamma values for the *clean\_rep\_pwd\_secondary\_set* (set of cleaned hashed passwords) comparison are binary. Specifically,

*gamma\_clean\_rep\_pwd\_secondary\_set:*

- 1 if *accountGrouping1.clean\_rep\_pwd\_secondary\_set* has a nonempty intersection with *accountGrouping2.clean\_rep\_pwd\_secondary\_set*
- 0 otherwise

Set intersection leads to a binary outcome, which is appropriate for

*clean\_rep\_pwd\_secondary\_set* because string nearness of two password hashes does not indicate nearness of the corresponding passwords themselves.

172. The gamma values for the *clean\_rep\_cpf\_set* (set of cleaned SSN analogues) comparisons are grouped into three categories. Specifically:

*gamma\_clean\_rep\_cpf\_set:*

- 2 if *max\_cpf\_ratio* == 100
- 1 if *max\_cpf\_ratio* >= 88
- 0 otherwise

where

- *max\_cpf\_ratio* is the largest value achieved by *ratio(clean\_rep\_cpf1, clean\_rep\_cpf2)*
- *clean\_rep\_cpf1* ranges over all values in *accountGrouping1.clean\_rep\_cpf\_set*
- *clean\_rep\_cpf2* ranges over all values in *accountGrouping2.clean\_rep\_cpf\_set*

173. The gamma values for the *clean\_rep\_datanasc\_set* (set of cleaned dates of birth) comparison are binary. Specifically,

*gamma\_clean\_rep\_datanasc\_set:*

- 1 if *accountGrouping1.clean\_rep\_datanasc\_set* has a nonempty intersection with *accountGrouping2.clean\_rep\_datanasc\_set*
- 0 otherwise

Set intersection again leads to a binary outcome, which is appropriate for

*clean\_rep\_datanasc\_set* because string nearness of two dates is not very helpful for determining linkage due to collisions in the nearby values for this field.

174. The choice of string nearness measure for each of the fields above is made for the reasons described in Section IV.B.

175. As an illustration of how the gamma cutoff values were selected, we now describe part of the process for the *rep\_end* (street name) field.<sup>61</sup> Exhibit 4 shows 100 randomly-selected pairs from the blocking set for which *end\_jwsim* is at least 50 and less than 100. Those pairs of account groupings for which *end\_jwsim* is below 50 all clearly disagree on the *clean\_rep\_end* field, and so should be assigned *gamma\_clean\_rep\_end* value 0. On the other hand, those pairs with *end\_jwsim* equal to 100 are exact matches (after cleaning); all such pairs (and only such pairs) should be assigned *gamma\_clean\_rep\_end* value 3 (the highest value). The randomly-selected pairs with intermediate values are used to determine the boundary between *gamma\_clean\_rep\_end* values 0 and 1 and between values 1 and 2. Observe that the extent of agreement among those pairs with *end\_jwsim* 92 and higher is generally quite high, even if not perfect. Those pairs with *end\_jwsim* below 92 generally have less good agreement, but still are of some value above 75. For example, row 27 largely agrees (mostly differing in punctuation), while row 29 is dubious (having the same city name, but with none of the rest agreeing). Very few, if any, pairs with *end\_jwsim* below 75 have much agreement. I performed a similar analysis on a larger subset of blocking to determine the cutoffs of 75, 92, and 100 that appear in the definition of *gamma\_clean\_rep\_end* above.<sup>62</sup> Cutoffs for the other fields were selected similarly.

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<sup>61</sup> “The selection of a distance function and a proper threshold is ... a knowledge intensive activity that demands experimental evaluation.” (p. 15 of Hernández, M.A. and Stolfo, S.J. Real-world Data is Dirty: Data Cleansing and The Merge/Purge Problem. *Data Mining and Knowledge Discovery* 2, 9–37 (1998).)

<sup>62</sup> Of course, there is some freedom in the choice of these cutoffs, and other choices of numbers that are fairly similar to these could also potentially be justified: “small changes to some thresholds defining equality over two fields ... are expected to have little impact on the contents of the formed clusters.” (Id. at p. 31). I have verified that the overall probabilistic record linkage process is not especially sensitive to the details of this choice, so long as the decisions are made reasonably.

176. The output of this step is the set of comparison vectors, one vector for each pair in the blocking set.

#### **6. Step 6: Calculate Match Probabilities**

177. Next, the set of comparison vectors for those pairs of account groupings in the blocking set are used to determine match probabilities in accordance with the Fellegi-Sunter model of probabilistic linkage. I accomplished this task by running the Splink probabilistic record linkage package (see Section IV.C) on this set of comparison vectors. Splink uses the EM algorithm to automatically calculate the  $m$ -probabilities and  $u$ -probabilities for the fields in the comparison vector, and then assigns a match probability to each pair of account groupings in the blocking set. I used Splink's default settings for the maximum number of EM iterations (25) and the EM convergence tolerance (0.0001).

178. Typically, the input to Splink would also contain the specification on how to carry out the blocking step (step 4) and the rubric-calculation step (step 5). I performed these steps outside of Splink (as described in steps 4 and 5) using the massively-parallel cloud infrastructure previously described, and the results were fed into Splink at the appropriate entry point.

179. The output of this step is an assignment of the match probability to each of the 117,563,883 pairs of account groupings in the blocking set.

#### **7. Step 7: Compute Clusterings for Several Fixed Thresholds**

180. I next use Splink to compute clusterings of account groupings for various fixed thresholds on the match probability; these clusterings will be the input to Step 8 (dynamic clustering step). These fixed thresholds are the match probabilities occurring at percentiles [0.006 ... 0.009, 0.01 ... 0.09, 0.1 ... 0.9, 1 ... 99, 99.1 ... 99.9, 99.91 ... 99.99, 99.991 ... 99.999, 100] within the blocking set, for a total of 149 fixed-threshold values. These thresholds were chosen to provide broad coverage of coarse to fine clusterings, especially at the extremes.

181. For any given fixed threshold, the goal is to create a clustering such that each account grouping is in exactly one cluster of the clustering. This clustering is formed by taking the transitive closure of the set of all account grouping pairs whose match probability is at least the given threshold.<sup>63</sup>

182. This collection of 149 clustering threshold percentiles represents the range of (quantized) trade-off decisions for how tightly or how loosely to generate the clusters from the blocking set of account grouping pairs with their respective match probabilities. For example, with threshold percentile 95, only the most closely-related pairs (as measured by match probability) will become part of the same cluster, and there will be a large number of clusters and a small average cluster size. With threshold percentile 5, on the other hand, even very distantly-related pairs (as measured by match probability) will become part of the same cluster, and there will be a smaller number of clusters and a higher average cluster size.

183. The 149 clusterings of account groupings are the output of this step.

## **8. Step 8: Dynamic Clustering Process**

184. Now that there are 149 fixed-threshold clusterings, in principle one could simply select a particular fixed-threshold clustering from among them as the clustering output. The clustering literature describes standard techniques for selecting a fixed threshold based on balancing two competing tensions<sup>64</sup>: (1) records that do not belong in the same cluster should not be joined (i.e., one should avoid “overclustering”) and (2) records that do belong in the same cluster should be joined in the same cluster (i.e., one should avoid “underclustering”). A high

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<sup>63</sup> Equivalently, this clustering is the finest partition consistent with adding linkages between all account grouping pairs whose match probability is at least the given threshold.

<sup>64</sup> Zhu and coauthors describe the need to balance false positives with false negatives (Y. Zhu, Y. Matsuyama, Y. Ohashi, and S. Setoguchi. When to conduct probabilistic linkage vs. deterministic linkage? A simulation study. *Journal of Biomedical Informatics* 56 (2015): 80-86.)

fixed threshold will tend to undercluster, while a low fixed threshold will tend to overcluster. However, even choosing an optimal fixed-threshold clustering with respect to these tensions is not the best choice in this circumstance, as I now explain.

185. The TelexFree dataset presents an additional challenge due to the presence of heterogeneity: some Participants entered their information very consistently across many accounts, while other Participants, for a variety of reasons, entered information that differed more widely (e.g., name variants, typos, multiple email addresses or phone numbers, etc.). As a result, any fixed threshold will deal appropriately with at most one of these two situations (and often neither) – both high and low fixed thresholds will typically simultaneously overcluster some clusters while underclustering others.

186. It is possible to better navigate the tradeoff between overclustering and underclustering by choosing higher thresholds in a portion of the dataset where there is a “tightly bound” collection of account groupings having high match probability with each other and low match probability with every other account grouping, while choosing lower thresholds in a portion of the dataset where there is a more “loosely bound” collection of account groupings having moderately high match probability with each other but still much lower match probability with every other account grouping in the dataset.

187. Such a “dynamic clustering” technique (also known as heterogeneous clustering<sup>65</sup>), where higher thresholds are selected for some parts of the dataset, and lower thresholds are selected for other parts, is more appropriate than using a single fixed threshold for

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<sup>65</sup> Heterogeneous clustering involves selecting a different threshold for different regions of a graphs so as to achieve clusters that balance overclustering and underclustering. (See Section 4.2.2 of Charpentier, Bertrand. *Multi-scale clustering in graphs using modularity*. Master’s thesis, KTH, 2019.)



a dataset like the TelexFree dataset. I therefore chose a dynamic clustering technique in the aggregation methodology.

188. This task of selecting clustering thresholds dynamically across the dataset is accomplished in the aggregation methodology by (1) defining measures of overclustering and underclustering for a given cluster, and calculating the overclustering measure for every cluster in each of the 149 fixed-threshold clusterings computed in the last step, (2) using this data to compute a dynamic clustering of the dataset for each of 41 values of a “dynamic clustering parameter”, where the overclustering calculations and dynamic clustering parameter guide the selection of a fixed threshold for each account grouping, and (3) choosing the dynamic clustering from among these 41 dynamic clusterings that optimally balances the degree of overclustering and underclustering.

*i. Overclustering and Underclustering Measures*

189. The clustering step of probabilistic record linkage, once match probabilities are assigned, can also be framed in terms of graph theory. Namely, the set of match probabilities determines a weighted graph<sup>66</sup>, and in the graph clustering literature it is a standard technique to turn a weighted graph into clusters by taking the connected components of the subgraph consisting of those edges whose weight is above the given threshold<sup>67</sup>; this is equivalent to fixed-threshold clustering (and indeed Splink uses the standard graph package GraphFrame to compute fixed-threshold clusterings).

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<sup>66</sup> The set of match probabilities determines an undirected weighted graph whose vertices (nodes) are records. (In the case of this aggregation methodology, the records are account groupings.) Each edge (connection) between a pair of vertices has weight equal to the match probability of the pair (and weight 0, or non-edge, if the pair is not in the blocking set).

<sup>67</sup> “Weight thresholding removes all edges with weight lower than a threshold value.” (X Yan, LGS Jeub, A Flammini, F Radicchi, and S Fortunato. Weight thresholding on complex networks. *Physical Review E* 98.4 (2018): 042304.)

190. Determining a clustering within such a weighted graph (or “network”) is sometimes framed in terms of “community detection”; here, the nodes are the account groupings, the weighted edges represent match probabilities between account groupings, and the communities one aims to find are the clusters consisting of those account groupings belonging to a single Participant.

191. Often the communities are determined by optimizing some scoring function, of which there are many possible options:

The idea is that given a community scoring function, one can then find sets of nodes with high score and consider these sets as communities. All scoring functions build on the intuition that communities are sets of nodes with many connections between the members and few connections from the members to the rest of the network. There are many possible ways to mathematically formalize this intuition ... The experiment demonstrates that even though many different structural definitions of communities have been proposed, these definitions are heavily correlated.<sup>68</sup>

192. As previously noted, in record linkage there is a tension between overclustering (the extent to which a cluster includes more records than is justified) and underclustering (the extent to which a cluster includes fewer records than is justified). In any automated technique, it is typically impossible to achieve both perfectly, but one can often obtain high quality results by balancing the two.<sup>69</sup> Towards achieving such a balance, I first define notions of overclustering and underclustering that are appropriate for the TelexFree dataset.

193. One standard way to measure overclustering in an unweighted graph is by computing the fraction of pairs of nodes within a cluster that occur within the graph. Within the community detection literature, this is closely related to the concept of “density”, as well as other

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<sup>68</sup> Yang, J. and Leskovec, J.. Defining and evaluating network communities based on ground-truth. *Knowledge and Information Systems*, 42(1): 2015, 181-213.

<sup>69</sup> Y. Zhu, Y. Matsuyama, Y. Ohashi, and S. Setoguchi. When to conduct probabilistic linkage vs. deterministic linkage? A simulation study. *Journal of Biomedical Informatics* 56 (2015): 80-86.

notions of “internal connectivity”.<sup>70</sup> A standard way to convert a weighted graph (with weights between 0 and 1) into an unweighted graph is to restrict to those edges having weight above 0.5; in the case of this aggregation methodology, this amounts to selecting those pairs of account groupings deemed by the Fellegi-Sunter model to have match probability greater than 0.5, which is a reasonable default for building a binary classifier (a function that turns a probability into an edge or non-edge, in this case).<sup>71</sup>

194. Accordingly, the aggregation methodology uses a notion of overclustering defined in terms of internal connectivity of this unweighted graph. Namely, define the *overclustering measure* of a given account grouping (with respect to a proposed clustering) to be the fraction of account groupings within its cluster with which it has a match probability above 0.5. In other words, it is the number of account groupings in its cluster with which it has a match probability over 0.5, divided by the total number of account groupings in its cluster. The average overclustering measure of a cluster (e.g., the fixed-threshold cluster of an account grouping for some particular fixed threshold) is then defined to be the average of the overclustering measures of each account grouping in the cluster. Finally, the overclustering measure of an entire proposed clustering (e.g., a candidate clustering for the dynamic clustering process) is defined to be the average overclustering measure of each account grouping’s cluster, averaged across all account groupings. In this way, if the overclustering measure of a given clustering is close to 1, this indicates that the clusters do not contain many pairs of account groupings having low match

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<sup>70</sup> “Density builds on intuition that good communities are well connected... It measures the fraction of the edges (out of all possible edges) that appear between the nodes in [the node set].” (Yang and Lescovec, 2015)

<sup>71</sup> “Most classifiers assign a probability for class membership to the instance to be classified. The default is to assume that a probability greater than or equal to 0.5 is for one class and below 0.5 for the other in binary classification.” Section 3.3.4 of Uday Kamath and John Liu. *Explainable Artificial Intelligence: An Introduction to Interpretable Machine Learning*. Springer, 2021.

probability, while if the overclustering measure is close to 0, this indicates that the clusters contain many pairs of account groupings having low match probability.

195. One standard way to measure underclustering is by computing the fraction of pairs of nodes going between the cluster and its complement that occur within the graph. Within the community detection literature, this is closely related to the concepts of “separability” and “expansion”, as well as other notions of “external connectivity”.<sup>72</sup> As before, in the case of a weighted graph with weights representing probabilities, this can be computed in terms of the unweighted graph given by the restriction to edges with weight above 0.5.

196. Accordingly, the aggregation methodology uses a notion of underclustering defined in terms of external connectivity of this unweighted graph. Namely, define the *underclustering measure* of a given account grouping (with respect to a given clustering) to be the fraction of all account groupings with which it has a match probability above 0.5 that are already within its cluster. In other words, it is the number of account groupings in its cluster with which it has a match probability over 0.5, divided by the total number of account groupings in the dataset with which it has a match probability over 0.5. The underclustering measure of an entire proposed clustering (e.g., a candidate clustering for the dynamic clustering process) is then defined to be this quantity averaged across all account groupings. In this way, if the underclustering measure of a given clustering is close to 1, this indicates that its set of clusters already contains most of the pairs of account groupings having high match probability, while if the underclustering measure is close to 0, this indicates that there are many pairs of account groupings having high match probability which failed to both be included in any cluster.

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<sup>72</sup> “Separability captures the intuition that good communities are well-separated from the rest of the network ... meaning that they have relatively few edges pointing from [the node set] to the rest of the network. Separability measures the ratio between the internal and the external number of edges of [the node set].” (Yang and Leskovec)

*ii. Computing Dynamic Clusterings for a Set of Dynamic Clustering Parameters*

197. As previously described, for every fixed threshold, each account grouping is assigned a cluster. As the threshold decreases, each such cluster assignment grows larger (because it is the transitive closure of a set consisting of all pairs from the higher threshold, along with possible additional pairs). Because of how the fixed-threshold clusterings are defined, clusters grow larger by joining with one or more other clusters from a higher threshold, a process known as “agglomeration”.<sup>73</sup> The goal of dynamic clustering is to select a different fixed threshold for each account grouping in such a way that (a) the choices are compatible across the entire dataset (i.e., if a particular account grouping chooses a given fixed threshold, then so must every other account grouping in the cluster resulting from that threshold), so that these choices collectively determine a clustering of the entire dataset, and (b) the measures of overclustering and underclustering for this clustering are balanced with each other.

198. This is achieved in the aggregation methodology by choosing, for each account grouping, the fixed-threshold clustering with the smallest threshold that is still consistent with the resulting cluster having average overclustering measure above a set parameter<sup>74</sup>. This parameter, representing the minimum required overclustering average, is referred to as the *dynamic clustering parameter*. This technique achieves condition (a) because the choice is based on a quantity that is averaged across the account grouping’s cluster, ensuring that the choices are compatible across the entire dataset. This technique will achieve condition (b) upon optimizing the choice of dynamic clustering parameter, the procedure for which I now describe.

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<sup>73</sup> See Section 5.4 of Sneath, P.H.A. and Sokal, R.R.. *Numerical Taxonomy: the Principles and Practice of Numerical Classification*. Freeman, New York (1973).

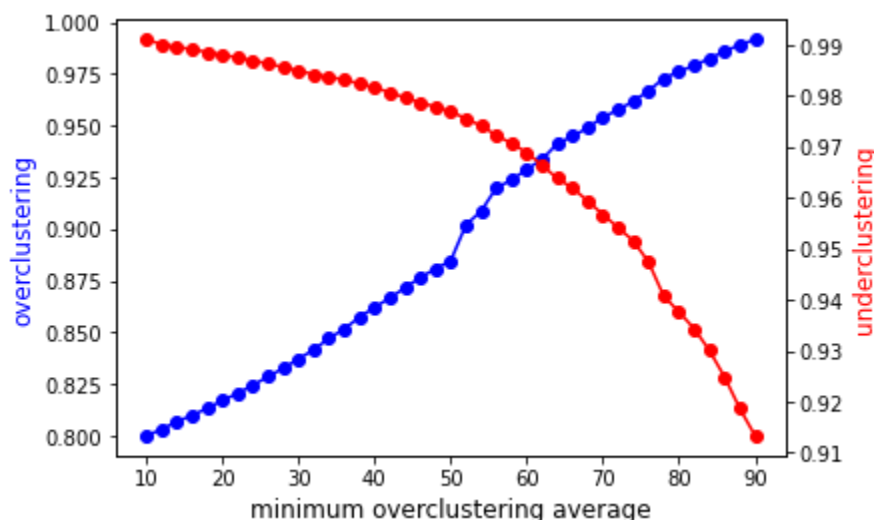
<sup>74</sup> Recall that an overclustering measure closer to 1 indicates that the clusters do not contain many pairs with low match probability.

199. For each of 41 choices of dynamic clustering parameter (0.10, 0.12, 0.14, ..., 0.88, 0.90)<sup>75</sup>, I computed the dynamic clustering for that parameter.

### iii. *Choosing the Optimal Dynamic Clustering*

200. To choose the optimal dynamic clustering, I compared the overclustering and underclustering measures for each of the clusterings that result from these 41 dynamic clustering parameter values, in order to determine the clustering that achieves the best balance.

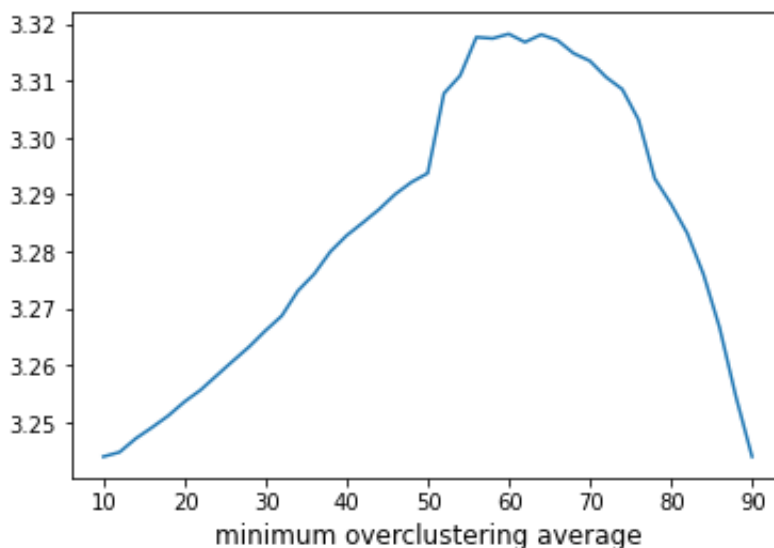
201. The first plot below shows the overclustering measure vs. the underclustering measure achieved for the 41 values of the dynamic clustering parameter (i.e., the minimum required overclustering average): 0.10, 0.12, 0.14, ..., 0.88, 0.90. While the degree of underclustering is typically higher in absolute terms than the degree of overclustering, it is still important to make sure both are balanced.<sup>76</sup> I have therefore plotted the overclustering and underclustering averages with respective y-axes chosen so that their values have the same dynamic range.



<sup>75</sup> This range extends low and high enough to yield dynamic clusterings to provide a wide range of tradeoffs between overclustering and underclustering, and also has a small enough increment to provide fine-grained resolution that will help me select among these choices.

<sup>76</sup> Y. Zhu, Y. Matsuyama, Y. Ohashi, and S. Setoguchi. When to conduct probabilistic linkage vs. deterministic linkage? A simulation study. *Journal of Biomedical Informatics* 56 (2015): 80-86.

202. Next, the second plot shows the sum of these two measures for overclustering and underclustering (i.e., the quantities that were shown independently in the first plot), where underclustering is scaled linearly to achieve the same dynamic range as overclustering. Again, the dynamic clustering parameter (i.e., the minimum required overclustering average) ranges from 0.10 to 0.90. The sum of overclustering and underclustering measures achieves a maximum for dynamic clustering parameter 0.60. This setting achieves an optimal tradeoff between overclustering and underclustering, and is therefore the value chosen for the aggregation methodology. This is also consistent with the first plot, which illustrates that for parameter values below 0.60, a small improvement in underclustering measure is exchanged for a larger drop in overclustering measure, while for parameter values above 0.60, a small improvement in overclustering measure is exchanged for a larger drop in underclustering measure.



203. The selected dynamic clustering (with dynamic clustering parameter 0.60) exhibits a better tradeoff between overclustering and underclustering than that of the dynamic clusterings for other dynamic clustering parameter choices. Furthermore, the selected dynamic clustering is much better than any choice of fixed-threshold clustering.

204. The resulting dynamic clustering of the 4,367,728 account groupings is the output of Step 8.

**9. Step 9. Convert the Clustering of Account Groupings into a Clustering of User Accounts**

205. The last step in determining the final clustering is to “ungroup” the account groupings back into User Accounts. In the deterministic step (Step 3), the 10,987,617 User Accounts were grouped into 4,367,728 account groupings. I accomplish the ungrouping in this step by joining the clustering output from the previous step (Step 8) with the lookup table mapping each User Account (identified by the *rep\_id* field) to its account grouping (identified by the *ag\_rep\_id* field). (As previously mentioned, the lookup table was generated in Step 3, the deterministic step.)

206. The output of this join is the final clustering on all User Accounts other than the 62,725 User Accounts with *rep\_name* “John Williams”. I then reassign all of the “John Williams” User Accounts to be in a single cluster of their own, as was previously determined in Step 4.

207. This step results in 1,566,383 clusters of User Accounts with a mean size of 7.01 User Accounts per cluster. For a summary of this clustering, see Section V and Exhibit 5.

**10. Step 10. Tabulate Total Net Equity for Each Cluster**

208. Each User Account has been assigned its Net Equity by Huron, as described above in Section III.A. The Total Net Equity of each cluster is defined to be the sum of the Net Equity values of each of its User Accounts. I tabulate this quantity for each cluster. For a summary of Net Winners and Net Losers, stratified into tiers by Total Net Equity, see Exhibit 5.



## V. RESULTS

209. Based on the work described above, my aggregation methodology has determined that the 10,987,617 User Accounts attributable to TelexFree belong to 1,566,383 different Participants, with a mean size of 7.01 User Accounts per Participant. Of the 1,566,383 Participants, 1,484,702 are Net Losers and 81,681 are Net Winners. The Net Winners have a total net gain of \$1,555,981,482.42, with an average net gain of \$19,049.49 per Net Winner. The Net Losers have a total net loss of \$1,782,171,730.09, with an average net loss of \$1,200.36 per Net Loser. For more details and stratification by tier of gains or losses, see Exhibit 5.

210. The results are attached in two exhibits, Exhibit 6 and Exhibit 7; both files are in the CSV (comma-separated values) format. Exhibit 6 contains the main output of the aggregation methodology: there is one row per User Account (identified by *rep\_id*), along with a Cluster ID indicating the cluster to which that row is assigned. For illustration purposes, the 11 fields used in the aggregation methodology, as well as *net\_equity*, have been included for each row.

211. Exhibit 7 contains a summary of the output: there is one row per cluster (identified by the Cluster ID), along with a tabulated sum of *net\_equity* values for all of the User Accounts in that cluster.

212. I also calculated error rates for the aggregation methodology. In evaluating the error rate of record linkage, one typically considers two types of error<sup>77</sup>, “false positives” (“FP”) and “false negatives” (“FN”). In the context of our aggregation setting, a false positive, also known as a “Type I error”, occurs when a pair of User Accounts that do not actually belong to the same Participant are nevertheless placed in the same cluster by the aggregation methodology.

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<sup>77</sup> D. Resnick and J. Asher. Measurement of Type I and Type II Record Linkage Error. *Proceedings of the American Statistical Association*, Government Statistics Section; Arlington, VA, USA: American Statistical Association; 2019. pp. 293–311.

A false negative, or “Type II error”, occurs when a pair of User Accounts that do actually belong to the same Participant are placed in different clusters by the aggregation methodology. The “false discovery rate” (“FDR”) and “false negative rate” (“FNR”), respectively, are standard ways of assessing these two types of errors in clustering problems, and these two error rates contribute respectively to the statistical measures of quality known as *precision* and *recall*. A survey of record linkage methodologies explains: “There are two types of errors that can be generated in record linkage, FN and FP, which respectively contribute to sensitivity (or recall) and PPV (or precision). Ideally both types of errors need to be minimized but there is always a trade-off. The harmonic mean of sensitivity and PPV, or f-measure, finds the best compromise between them ... The f-measure attains a high value only if both sensitivity and PPV are high.”<sup>78</sup> This final quantity, f-measure (also known as “ $F_1$ ” or “accuracy”), is a standard statistical measure between 0.0 and 1.0, with larger values indicating a higher quality result. A accuracy of at least 0.90 has been considered “very good” by a review of record linkage software quality<sup>79</sup>.

213. The information about pairwise match probabilities that is contained in a probabilistic record linkage model can be used to estimate these quantities. The authors of the fastLink package note this (“One advantage of probabilistic models over deterministic methods is that we can estimate the false discovery rate (FDR) and the false negative rate (FNR)”)<sup>80</sup> and provide equations for estimating the two error rates, FDR and FNR.<sup>81</sup> Using the appropriate analogue of those equations to our setting, I estimate an FDR of 0.0198 and an FNR of 0.00377.

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<sup>78</sup> Y. Zhu, Y. Matsuyama, Y. Ohashi, and S. Setoguchi. When to conduct probabilistic linkage vs. deterministic linkage? A simulation study. *Journal of Biomedical Informatics* 56 (2015): 80-86.

<sup>79</sup> A. Ferrante and J. Boyd. A transparent and transportable methodology for evaluating Data Linkage software. *Journal of Biomedical Informatics* 45, no. 1 (2012): 165-172.

<sup>80</sup> T. Enamorado, B. Fifield, and K. Imai. Using a Probabilistic Model to Assist Merging of Large-Scale Administrative Records. *American Political Science Review*, 113(2) (2019): 353-371.

<sup>81</sup> Id. at equations (5) and (6)

These quantities imply a precision of 0.980, a recall of 0.996, and an accuracy of 0.988, indicating that the results of my aggregation methodology substantially exceeds the “very good” criterion.

## VI. DISCUSSION OF EXAMPLE CLUSTER

214. To illustrate several aspects of the aggregation methodology, I now discuss an example cluster. Exhibit 3 shows the contents of the cluster that has the greatest Total Net Equity (the cluster with Cluster ID 132785).

215. The Cluster ID, Total Net Equity, and Total Number of User Accounts for this cluster are displayed on the top left.

216. This cluster contains 471 User Accounts, each of which is displayed on its own row. For each User Account, the *rep\_id* field is displayed along with *ag\_rep\_id* (the ID number of the account grouping that the User Account is contained in), the 11 fields used in the aggregation process (*rep\_nome*, *rep\_email*, *rep\_cel*, *rep\_fone*, *rep\_end*, *rep\_numero*, *rep\_cep*, *rep\_login*, *rep\_pwd\_secondary*, *rep\_cpf*, *rep\_datanasc*), and *net\_equity* (as provided by Huron; see Section III.A). The rows are sorted by *net\_equity*.

217. Looking at the contents of any given column, one can get some sense of both the similarity and the diversity of values for that field. For example, *rep\_nome* is often “Maria Teresa Milagres Neves” or “Maria Neves”, but many variations (involving punctuation, capitalization, spacing, abbreviations, typos, etc.) appear: “Maria Teresa m Neves”, “Maria T Neves”, “maria neves”, “Mar ives”, “Maria T. M. Neves”, “maria Teresa Milagres”, “Mara ves”, “Marai Teresa Neves”, “Mara Tes Nev”, etc. Similarly, in the fields *rep\_email*, *rep\_cel*, and *rep\_fone*, a small number of values predominate, but there is some variation. Observe that the

value of *rep\_numero* sometimes matches the street number from *rep\_end* (“2B”), sometimes matches the unit/apartment number from *rep\_end* (“626”), and other times is null/empty.

218. In Step 1, the values of *rep\_login* are transformed by truncating to the first 4 characters. For this set of records, this results in multiple instances of the prefixes “ttmi”, “call”, “galo”, etc.

219. The cleaned values of the fields that result from Step 2 sometimes exactly agree even when the original (uncleaned) versions do not. For example, the *rep\_nome* values “Maria Neves” and “maria neves” are both cleaned to the (lowercase) *clean\_rep\_nome* value “maria neves”. When field values consist entirely of garbage characters (e.g., “.” in *rep\_numero*), they are cleaned to the empty string and then replaced by null, which means that they will count as missing data when assigning degrees of agreement in Step 5 (rather than, e.g., counting “.” as agreeing perfectly with other instances of “.”).

220. In Step 3, the 471 User Accounts are collapsed into 129 account groupings based on grouping together those User Accounts having exact agreement on the cleaned versions of the 8 fields *rep\_nome*, *rep\_email*, *rep\_cel*, *rep\_fone*, *rep\_end*, *rep\_numero*, *rep\_cep*, and *rep\_login*. The account grouping is indicated by the field *ag\_rep\_id* (which is defined to be the least *rep\_id* among User Accounts in that account grouping). These account groupings range in size from 1 User Account to 71 User Accounts.

221. Blocking (Step 4) is not directly illustrated by this cluster output, but it must be the case that for each row in the table, there is some other row in the table that appears together with it in the blocking set (via their respective account groupings).

222. For each pair of records in the blocking set, the comparison vector (indicating degrees of agreement on each field) was computed in Step 5. This too is not directly illustrated

by the cluster output, though one can see this indirectly by visually comparing the field values. For example, rows 1 and 2 have exact agreement on *rep\_nome* (“Maria Teresa Milagres Neves”), *rep\_email* (“ttmlagres@gmail.com”), *rep\_cel* (“5089043810”), *rep\_fone* (“5089043810”), *rep\_cep* (“01702”), and *rep\_pwd\_secondary* (“c99fb769d8bcee3287936bf71335976e”), but partial or no agreement on the other fields. Therefore the associated pair of account groupings was assigned the highest level of agreement for the gamma values corresponding to these fields.

223. In Step 6, the comparison vector is used to compute a match probability for each pair of account groupings. Again, this is not directly illustrated by the cluster output, but it is straightforward to infer, on the basis of the patterns of cleaned field agreement, that certain pairs of rows are likely in an account grouping pair that is assigned high match probability because they agree exactly in many fields, while other pairs of rows are likely in an account grouping pair that is assigned lower match probability because they agree only partially or not at all on several fields. For example, the match probability between rows 1 and 2 is likely to be quite high.

224. In the fixed-threshold clusterings computed in Step 7, pairs with high match probability are clustered together for many different options of fixed threshold (both high and low thresholds), while pairs with low match probability are clustered together only for low fixed thresholds (if any). (The clustering resulting from a low fixed threshold is coarse, with a smaller number of bigger clusters, while the clustering resulting from a high fixed threshold is fine, with a larger number of smaller clusters.)

225. The dynamic clustering process (Step 8) determines an optimal tradeoff between overclustering and underclustering, and uses that information to compute the final clustering of account groupings. Although the resulting cluster in the exhibit may not be perfectly accurate (and indeed, no method will achieve perfect accuracy on any real-world dataset), by achieving a

balance between overclustering and underclustering, this cluster appears to exhibit an error rate well within what would be expected from the estimates computed in Section V, making it high quality and suitable for the goals of the aggregation methodology.

226. In Step 9, these 129 account groupings are expanded back into the corresponding set of 471 User Accounts that are shown in the cluster output. The Cluster ID of the cluster is defined to be the least value of *rep\_id* occurring for a User Account in the cluster.

227. Finally, in Step 10, the Total Net Equity for the cluster is tabulated by summing the Net Equity for each of these 471 User Accounts. Observe that the gains are highly concentrated in the first 2 User Accounts (rows 1 and 2), and that only 10 of 471 User Accounts (rows 1-10) have net gains. This pattern is fairly typical among the Net Winners having large gains.

## VII. CONCLUSION

228. Based on the methodology above, and for the reasons stated, I believe that the results in the output files, Exhibit 6 and Exhibit 7, provide a reasonable and reliable assignment of User Accounts to Participants.

# **EXHIBIT 1**

## Cameron E. Freer

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### EXPERIENCE (ACADEMIA)

#### Massachusetts Institute of Technology

*Research Scientist*, Department of Brain and Cognitive Sciences. 2019 – Present  
Research scientist in the Probabilistic Computing Project.

*Postdoctoral Associate*, Department of Brain and Cognitive Sciences. 2013 – 2015  
Research postdoc. Postdoctoral mentors: Joshua B. Tenenbaum and Vikash K. Mansinghka

*Postdoctoral Fellow*, Computer Science and Artificial Intelligence Laboratory. 2011 – 2013  
Research postdoc. Postdoctoral mentors: Joshua B. Tenenbaum and Leslie P. Kaelbling

*Instructor in Pure Mathematics*, Department of Mathematics. 2008 – 2010  
Research and teaching postdoc. Postdoctoral mentors: Hartley Rogers, Jr. and Michael Sipser

#### University of Hawai‘i at Mānoa

*Junior Researcher*, Department of Mathematics. 2010 – 2011  
Research and teaching postdoc. Postdoctoral mentor: Bjørn Kjos-Hanssen

### EXPERIENCE (INDUSTRY)

#### Borelian Corporation

*Founder and Chief Scientist*. 2016 – Present  
Scientific consulting. Contractor to Gamalon (2016–2017), Remine (2016–2018),  
University of Toronto (2017–2018), MIT (2018–2019), Boston University (2020).  
Other projects include an algorithmic trading platform (building the live trading system,  
designing strategies, and aggregating and cleaning financial data from multiple sources).

#### Remine

*Chief Scientist*. 2017 – 2018  
Real estate data analytics firm. I built their initial machine learning models, and helped design  
their data architecture and build their data science team. This involved testing performance  
of several databases, and aggregating large datasets based on fuzzy matches.

#### Gamalon Labs

*Research Scientist*. 2013 – 2016  
DARPA contractor, Probabilistic Programming for Advancing Machine Learning.  
I researched theoretical and applied aspects of probabilistic programming languages.

#### Analog Devices

*Lyric Labs Visiting Fellow*. 2013 – 2014

#### Hibernia Atlantic

*Advisory Board Member*. 2011 – 2012



Cameron E. Freer

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EDUCATION

**Harvard University**

Ph.D. in Mathematics, 2008. Dissertation: *Models with high Scott rank*.  
Advisor: Gerald E. Sacks

**University of Chicago**

S.B. in Mathematics with Honors, 2003.

RESEARCH INTERESTS

Interactions of randomness and computation, including the foundations of probabilistic computing, efficient samplers and testing methods for probabilistic inference, and the mathematics of random structures.

PUBLICATIONS

Note: several of my publications use alphabetical author lists, as is the convention in mathematics and theoretical computer science. These have been indicated by a  $\star$ .

$\star$  N. L. Ackerman, C. E. Freer, and R. Patel, *On computable aspects of algebraic and definable closure*, Journal of Logic and Computation, 31, no. 1, 2–19, 2021.

F. A. Saad, C. E. Freer, M. C. Rinard, and V. K. Mansinghka, *The Fast Loaded Dice Roller: A near-optimal exact sampler for discrete probability distributions*, Proceedings of the 23rd International Conference on Artificial Intelligence and Statistics (AISTATS 2020), Proceedings of Machine Learning Research (PMLR) 108, 1036–1046, 2020.

$\star$  N. L. Ackerman, C. E. Freer, and R. S. Lubarsky, *An introduction to feedback Turing computability*, Journal of Logic and Computation 30, no. 1, 27–60, 2020.

F. A. Saad, C. E. Freer, M. C. Rinard, and V. K. Mansinghka, *Optimal approximate sampling from discrete probability distributions*, Proceedings of the ACM on Programming Languages 4, POPL, 36:1–36:31, 2020.

$\star$  N. L. Ackerman, C. E. Freer, and R. Patel, *Computability of algebraic and definable closure*, Proceedings of the Symposium on Logical Foundations of Computer Science (LFCS 2020), LNCS Vol. 11972, 1–11, 2020.

$\star$  N. L. Ackerman, J. Avigad, C. E. Freer, D. M. Roy, and J. M. Rute, *Algorithmic barriers to representing conditional independence*, Proceedings of the 34th Annual ACM/IEEE Symposium on Logic in Computer Science (LICS 2019), 2019.

$\star$  N. L. Ackerman, C. E. Freer, and D. M. Roy, *On the computability of conditional probability*, Journal of the ACM 66, no. 3, 23:1–23:40, 2019.

$\star$  N. L. Ackerman, C. E. Freer, and R. S. Lubarsky, *Feedback computability on Cantor space*, Selected Papers of Logic in Computer Science (LICS) 2015 and 2016, Logical Methods in Computer Science, 15, no. 2, 7:1–7:18, 2019.

F. A. Saad, C. E. Freer, N. L. Ackerman, and V. K. Mansinghka, *A family of exact goodness-of-fit tests for high-dimensional discrete distributions*, Proceedings of the 22nd International Conference on Artificial Intelligence and Statistics (AISTATS 2019), Proceedings of Machine Learning Research (PMLR) 89, 1640–1649, 2019.

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PUBLICATIONS  
(CONT'D)

- ★ N. L. Ackerman, C. E. Freer, and R. Patel, *The entropy function of an invariant measure*, Proceedings of the 14th and 15th Asian Logic Conferences, World Scientific, 3–34, 2019.
  
- S. Staton, D. Stein, H. Yang, N. L. Ackerman, C. E. Freer, and D. M. Roy, *The Beta-Bernoulli process and algebraic effects*, Proceedings of the 45th International Colloquium on Automata, Languages, and Programming (ICALP 2018), 141:1-141:15, 2018.
  
- ★ N. L. Ackerman, C. E. Freer, and D. M. Roy, *On computability and disintegration*, Mathematical Structures in Computer Science 27, no. 8, 1287–1314, 2017.
  
- ★ N. L. Ackerman and C. E. Freer, *Graph Turing machines*, Logic, Language, Information, and Computation, Proceedings of WoLLIC 2017, LNCS Vol. 10388, Springer, 1–13, 2017.
  
- ★ N. L. Ackerman, C. E. Freer, A. Kwiatkowska, and R. Patel, *A classification of orbits admitting a unique invariant measure*, Annals of Pure and Applied Logic 168, no. 1, 19–36, 2017.
  
- D. Cai, N. L. Ackerman, and C. E. Freer, *Priors on exchangeable directed graphs*, Electronic Journal of Statistics 10, no. 2, 3490–3515, 2016.
  
- ★ N. L. Ackerman, C. E. Freer, and R. Patel, *Invariant measures concentrated on countable structures*, Forum of Mathematics Sigma 4, e17, 59 pp., 2016.
  
- ★ N. L. Ackerman, J. Nešetřil, C. E. Freer, and R. Patel, *Invariant measures via inverse limits of finite structures*, European Journal of Combinatorics 52, 248–289, 2016.
  
- ★ N. L. Ackerman, C. E. Freer, and R. S. Lubarsky, *Feedback Turing computability, and Turing computability as feedback*, Proceedings of the 30th Annual ACM/IEEE Symposium on Logic in Computer Science (LICS 2015), 523–534, 2015.
  
- ★ C. E. Freer, B. Kjos-Hanssen, A. Nies, and F. Stephan, *Algorithmic aspects of Lipschitz functions*, Computability 3, 45–61, 2014.
  
- ★ C. E. Freer, D. M. Roy, J. B. Tenenbaum, *Towards common-sense reasoning via conditional simulation: legacies of Turing in Artificial Intelligence*, in Turing’s Legacy: Developments from Turing’s Ideas in Logic, ed. Rod Downey, ASL Lecture Notes in Logic, Cambridge University Press, 2014.
  
- ★ C. E. Freer and B. Kjos-Hanssen, *Randomness extraction and asymptotic Hamming distance*, Selected Papers of the 9th International Conference on Computability and Complexity in Analysis (CCA 2012), Logical Methods in Computer Science, 2013.
  
- A. D. Wissner-Gross and C. E. Freer, *Causal entropic forces*, Physical Review Letters 110, 168702, 2013.
  
- ★ N. L. Ackerman and C. E. Freer, *A notion of a computational step for Partial Combinatory Algebras*, Proceedings of the 10th Annual Conference on Theory and Applications of Models of Computation (TAMC 2013), LNCS Vol. 7876, Springer, 133–143, 2013.
  
- ★ C. E. Freer and D. M. Roy, *Computable de Finetti measures*, Annals of Pure and Applied Logic 163, no. 5, 530–546, 2012.

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PUBLICATIONS  
(CONT'D)

★ N. L. Ackerman, C. E. Freer, and D. M. Roy, *Noncomputable conditional distributions*, Proceedings of the 26th Annual IEEE Symposium on Logic in Computer Science (LICS 2011), 107–116, 2011.

A. D. Wissner-Gross and C. E. Freer, *Relativistic statistical arbitrage*, Physical Review E 82, 056104, 2010.

★ C. E. Freer and D. M. Roy, *Posterior distributions are computable from predictive distributions*, Proceedings of the 13th International Conference on Artificial Intelligence and Statistics (AISTATS 2010), Journal of Machine Learning Research W&CP 9, 2010.

★ C. E. Freer and D. M. Roy, *Computable exchangeable sequences have computable de Finetti measures*, in K. Ambos-Spies, B. Löwe, and W. Merkle (eds.): Mathematical Theory and Computational Practice, Proc. of the 5th Conf. on Computability in Europe (CiE 2009), LNCS Vol. 5635, Springer, 218–231, 2009.

DISSERTATION

C. E. Freer, *Models with high Scott rank*, Ph.D. Dissertation, Harvard University, 2008.

PREPRINTS

S. Spanbauer, C. E. Freer, and V. K. Mansinghka, *Deep involutive generative models for neural MCMC*, arXiv:2006.15167.

★ N. L. Ackerman, J. Avigad, C. E. Freer, D. M. Roy, and J. M. Rute, *On the computability of graphons*, arXiv:1801.10387.

★ N. L. Ackerman, C. E. Freer, and R. Patel, *Stable regularity for relational structures*, arXiv:1712.09305.

★ N. L. Ackerman, C. E. Freer, A. Kruckman, and R. Patel, *Properly ergodic structures*, arXiv:1710.09336.

★ N. L. Ackerman, C. E. Freer, and R. Patel, *Countable infinitary theories admitting an invariant measure*, arXiv:1710.06128.

★ N. L. Ackerman and C. E. Freer, *On the computability of graph Turing machines*, arXiv:1703.09406.

D. Cai, N. L. Ackerman, and C. E. Freer, *An iterative step-function estimator for graphons*, arXiv:1412.2129.

PATENTS

C. E. Freer and A. D. Wissner-Gross, *System and method for relativistic statistical securities trading*, U.S. Patent 8,635,133 (2014).

INVITED TALKS

- *Representation theorems for exchangeable structures: a computability-theoretic perspective*. Joint Mathematics Meetings, Denver. ASL invited address, January 17, 2020.
- *Computability of algebraic and definable closure*. Logical Foundations of Computer Science (LFCS 2020), Deerfield Beach, FL. Invited to give talk based on refereed conference proceedings, January 6, 2020.
- *Step algebras*. NII Shonan meeting on higher-order complexity and its applications, Shonan Village Center, Japan. Invited workshop talk, October 10, 2019.
- *Computable representations of exchangeable data*. Computability in Europe (CiE 2019), Special Session on Probabilistic Programming and Higher-Order Computation, Durham University, Durham, UK. Invited special session talk, July 15, 2019.

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INVITED TALKS  
(CONT'D)

- *Computability of the Aldous–Hoover theorem*, Workshop on higher-order probabilistic computation, Bellairs Research Institute, Barbados. Invited workshop talk, March 18, 2019.
- *Model theory of invariant probabilistic constructions*. Logic Colloquium, UC Berkeley, September 8, 2017.
- *Some remarks on Category, Measure, and Invariance*. All Kinds of Mathematics Remind Me of You: Conference to celebrate the 70th Anniversary of Peter J. Cameron, Faculdade de Ciências da Universidade de Lisboa, Lisbon, Portugal. Invited conference talk, July 24, 2017.
- *Graph Turing machines*. Workshop on Logic, Language, Information and Computation (WoLLIC), London, UK. Invited to give talk based on refereed conference proceedings, July 19, 2017.
- *On the computability of graph Turing machines*. AMS Central Sectional Meeting, Special Session on Computability and Inductive Definability over Structures, Indiana University, Bloomington, Indiana. Invited special session talk, April 2, 2017.
- *Priors on propositions: towards probabilistic programming for theorem proving*, 2nd Conference on Artificial Intelligence and Theorem Proving (AITP 2017), Obergurgl, Austria. Invited conference talk, March 29, 2017.
- *Unique ergodicity and measures invariant under permutations of  $\mathbb{N}$* , Workshop: Algorithmic Randomness Interacts with Analysis and Ergodic Theory, Banff International Research Station, Oaxaca, Mexico. Invited workshop talk, December 6, 2016.
- *Three Problems in Computable Probability Theory*, Workshop on Uncertainty in Computation, Simons Institute for the Theory of Computing, Berkeley, CA. Invited workshop talk, October 4, 2016.
- *Invariant measures via finite structures*. Workshop on Model Theory of Finite and Pseudofinite Structures, University of Leeds, Leeds, UK. Invited workshop talk, July 29, 2016.
- *Exchangeable constructions of countable structures*. Workshop on Bayesian Methods for Networks, Isaac Newton Institute, Cambridge, UK. Invited workshop talk, July 25, 2016.
- *Symmetric probabilistic constructions of countable structures*. 5th CSLI Workshop on Logic, Rationality, & Intelligent Interaction, Stanford University, Palo Alto. Invited workshop talk, May 29, 2016.
- *Exchangeable constructions of countable structures*. Workshop on Networks, Random Graphs, and Statistics, Columbia University, New York. Invited workshop talk, May 5, 2016.
- *Feedback Turing Computability, and Turing Computability as Feedback*. AMS Central Sectional Meeting, Special Session on Computability Theory and Applications, Loyola University, Chicago, Illinois. Invited special session talk, October 3, 2015.
- *The Weihrauch degrees of conditional distributions*. Workshop on Measuring the Complexity of Computational Content: Weihrauch Reducibility and Reverse Analysis, Schloss Dagstuhl, Germany. Invited workshop talk, September 25, 2015.
- *Exchangeable constructions via model theory*. Workshop on Logic and Random Graphs, Lorentz Center, Leiden. Invited workshop talk, August 31, 2015.
- *Ergodic Invariant Measures as Probabilistic Structures, Lecture 2: Connections with graphons*. LMS–EPSRC Durham Symposium on Permutation Groups and Transformation Semigroups, Durham, UK. Invited to give 3-lecture series with coauthors, July 23, 2015.
- *The topology of universal graphons*. Conference on Computability and Complexity in Analysis (CCA 2015), Meiji University, Tokyo. Invited to give talk based on conference proceedings, July 13, 2015.
- *Feedback Turing computability, and Turing computability as feedback*. Logic in Computer Science (LICS), Kyoto. Coauthor invited to give talk based on refereed conference proceedings, July 9, 2015.

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INVITED TALKS  
(CONT'D)

- *Computability and complexity of conditioning and conditional independence*. Workshop on Logic and Computational Complexity (LCC15), Kyoto. Invited workshop talk, July 4, 2015.
- *Priors on exchangeable directed graphs*. 10th Conference on Bayesian Nonparametrics (BNP10), Raleigh, NC. Coauthor invited to give talk based on refereed conference proceedings, June 25, 2015.
- *Two “Vaught’s Conjectures” for measures invariant under the logic action*. Second Workshop on Vaught’s Conjecture, Berkeley. Invited workshop talk, June 3, 2015.
- *Computability of conditioning: approximate inference and conditional independence*. Workshop on Challenges and Trends in Probabilistic Programming, Schloss Dagstuhl, Germany. Invited workshop talk, April 29, 2015.
- *Infinitary model theory in the study of graphons*. AMS–ASL Joint Mathematics Meetings, Special Session on Beyond First-Order Model Theory, San Antonio. Invited special session talk, January 10, 2015.
- *Invariant measures concentrated on the Henson graph*. NII Shonan meeting on Algorithmic Randomness and Complexity, Shonan Village Center, Japan. Invited workshop talk, September 12, 2014.
- *On computability and disintegration*. Conference on Computability and Complexity in Analysis (CCA 2014), Technische Universität Darmstadt, Germany. Invited to give talk based on conference proceedings, July 22, 2014.
- *Computable invariant measures and algorithmically random structures*. Conference on Computability Theory and Foundations of Mathematics, Tokyo Institute of Technology, Japan. Invited conference talk, February 18, 2014.
- *Unique invariant measures, with an application to algorithmically random structures*. Mini-conference on Analysis, Randomness, and Applications, University of South Africa, Pretoria. Invited conference talk, February 10, 2014.
- *Random symmetric constructions via inverse limits of finite structures*. AMS–ASL Joint Mathematics Meetings, Special Session on Logic and Probability, Baltimore. Invited special session talk, January 15, 2014.
- *A notion of a computational step for Partial Combinatory Algebras*. Conference on Theory and Applications of Models of Computation (TAMC 2013), University of Hong Kong. Invited to give talk based on refereed conference proceedings, May 21, 2013.
- *When is a graph random?* Workshop on Computability, Complexity, and Randomness, Schloss Dagstuhl, Germany. Invited workshop talk, January 9, 2012.
- *Aspects of randomness in analysis, graph theory, and probability theory*. Asian Logic Conference, Special Session on Algorithmic Randomness, Victoria University of Wellington, NZ. Invited special session talk, December 15, 2011.
- *Effective aspects of Lipschitz functions and variation*. Analysis and Randomness, Auckland. Invited workshop talk, December 12–13, 2011.
- *Invariant measures concentrated on countable structures*. AIM Workshop on Graph and Hypergraph limits, American Institute of Mathematics, Palo Alto. Invited workshop talk, August 16, 2011.
- *Invariant measures on countable structures*. KGRC Mini-workshop, Kurt Gödel Research Center, Vienna. Invited workshop talk, July 12, 2011.
- *The unreasonable effectiveness of statistical artificial intelligence*. Foundational Questions in the Mathematical Sciences, International Academy Traunkirchen, Austria. Invited workshop talk, July 9, 2011.
- *#P-complete conditional distributions*. Logic and Computational Complexity, Toronto. Invited workshop talk, June 25, 2011.

Cameron E. Freer

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INVITED TALKS  
(CONT'D)

- *Noncomputable conditional distributions*. Logic in Computer Science (LICS), Toronto. Coauthor invited to give talk based on refereed conference proceedings, June 21, 2011.
- *Relativistic statistical arbitrage*. North American Financial Information Summit, New York City. Invited talk, May 24, 2011.
- *Invariant measures on countable models*. AMS–ASL Joint Mathematics Meetings, Special Session on Logic and Analysis, New Orleans. Invited special session talk, January 7, 2011.
- *The computability of exchangeable sequences*. Invited talk, MIT, February 10, 2010.
- *Mechanising mathematics*. Interactive Theorem Proving workshop, Cambridge, UK. Invited workshop talk, August 24, 2009.
- *Computable probability theory*. PROMYS 20th Year Celebration, Boston, MA. Invited conference talk, July 26, 2009.
- *Computable exchangeable sequences have computable de Finetti measures*. Computability in Europe (CiE 2009), Heidelberg, Germany. Invited to give talk based on refereed conference proceedings; joint work presented by D. M. Roy, July 20, 2009.
- *Computable de Finetti measures*. Mid-Atlantic Mathematical Logic Seminar, MAMLS @ Harvard: A meeting on the intersections of logic and mathematics, Cambridge, MA. Invited conference talk, May 9, 2009.
- *Models with high Scott rank*. AMS Eastern Sectional Meeting, Special Session on Computability Theory and Effective Algebra, Wesleyan University, Middletown, CT. Invited special session talk, October 11, 2008.

SEMINAR TALKS

- *Exchangeable constructions of countable structures*. Logic, Games, and Graphs Seminar, Pennsylvania State University, November 6, 2019.
- *Computability of exchangeable sequences, arrays, and graphs*. Logic Seminar, Harvard University, March 11, 2019.
- *Computability of exchangeable sequences, arrays, and graphs*. Logic Workshop, City University of New York, February 22, 2019.
- *Feedback computability*. Logic Seminar, Harvard University, October 17, 2017.
- *Symmetric random constructions in model theory*. Model Theory Seminar, City University of New York, April 4, 2014.
- *Symmetric random constructions in model theory*. Model Theory Seminar, UC Berkeley, October 23, 2013.
- *A model-theoretic approach to characterizing randomness notions*. Buenos Aires Semester in Computability, Complexity, and Randomness, March 13, 2013.
- *Model-theoretic methods in continuum limits of countable structures*. Connecticut Logic Seminar, Wesleyan University, April 30, 2012.
- *Model-theoretic constructions of limit structures*. Algorithms, Combinatorics, and Optimization Seminar, Carnegie Mellon University, March 29, 2012.
- *Invariant measure concentrated on countable structures*. Mathematical Logic Seminar, Carnegie Mellon University, March 27, 2012.
- *Computability and probabilistic symmetries*. Semester on Semantics and Syntax: A Legacy of Alan Turing, Isaac Newton Institute, Cambridge, UK, February 21, 2012.
- *Invariant measures on countable models*. Logic Workshop, Harvard University, October 27, 2010.
- *Invariant measures on countable models*. Logic Workshop, City University of New York, October 22, 2010.
- *Noncomputability of conditional probability*. Probability Seminar, MIT, March 1, 2010.

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SEMINAR TALKS  
(CONT'D)

- *Computable probability theory and de Finetti's theorem*. Logic Seminar, University of Chicago, May 18, 2009.
- *Computable exchangeable sequences have computable de Finetti measures*. Logic and Computation Seminar, University of Pennsylvania, April 13, 2009.
- *Models with high Scott rank*. Logic Seminar, University of Notre Dame, November 29, 2007.

CONTRIBUTED TALKS

- *On the computability of graphons*. Association for Symbolic Logic, North American Annual Meeting, New York. May 21, 2019.
- *A classification of structures admitting a unique invariant measure*. Workshop on Homomorphisms and Graph Limits III, Hraniční Zámeček, Hlohovec, Czech Republic. March 25, 2015.
- *Computable invariant measures and algorithmically random structures*. International Congress of Mathematicians, Seoul, August 14, 2014.
- *Computable invariant measures and algorithmically random structures*. Association for Symbolic Logic, North American Annual Meeting, Boulder. May 21, 2014.
- *Topological aspects of dense graph limits*. Arbeitsgemeinschaft: Limits of Structures, Mathematisches Forschungsinstitut Oberwolfach, Germany, April 4, 2013.
- *Computability and Conditional Probability*. Conference on Computability Theory and Foundations of Mathematics, Tokyo Institute of Technology, Japan, February 20, 2013.
- *Model-theoretic constructions of limit structures*. Workshop on Graph Homomorphisms, Limits, and Structures II, Hraniční Zámeček, Hlohovec, Czech Republic. January 24, 2012.
- *Invariant measures concentrated on countable structures*. Workshop on Homogeneous Structures, Leeds. July 21, 2011.
- *Effective aspects of Lipschitz functions*. Association for Symbolic Logic, North American Annual Meeting, Berkeley. March 24, 2011.
- *The computability of conditional probability distributions*. AMS-ASL Joint Mathematics Meetings, San Francisco. January 15, 2010.
- *The complexity of computable conditional probability*. Computability in Europe (CiE 2009), Heidelberg, Germany. July 20, 2009.
- *Computable exchangeable sequences have computable de Finetti measures*. Association for Symbolic Logic, North American Annual Meeting, Notre Dame. May 20, 2009.

WORKSHOPS

**Computability and Complexity**

- *Algorithmic Randomness*, American Institute of Mathematics. Invited workshop participant, August 10–14, 2020, online.
- *Higher-order complexity and its applications*, NII Shonan Meeting. Invited speaker, October 7–10, 2019, Shonan Village Center, Japan.
- *Algorithmic Randomness Interacts with Analysis and Ergodic Theory*, Banff International Research Station for Mathematical Innovation and Discovery. Invited workshop participant, December 4–9, 2016, Oaxaca, Mexico.
- *Measuring the Complexity of Computational Content: Weihrauch Reducibility and Reverse Analysis*, Schloss Dagstuhl. Invited workshop participant, September 20–25, 2015, Dagstuhl, Germany.
- *Logic and Computational Complexity (LCC15)*. Invited speaker, July 4–5, 2015, Kyoto.
- *Algorithmic Randomness and Complexity*, NII Shonan Meeting. Invited speaker, September 8–12, 2014, Shonan Village Center, Japan.

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WORKSHOPS  
(CONT'D)

**Computability and Complexity (cont'd)**

- *Logic, Probability, and Reflection IV*, MIRI. Workshop participant, September 7–13, 2013, Berkeley.
- *Computable Stability Theory*, American Institute of Mathematics. Workshop participant, August 12–19, 2013, Palo Alto.
- *Towards Efficient Homomorphic Encryption*, IdeaLab 2013, Institute for Computational and Experimental Research in Mathematics (ICERM). Workshop participant, July 15–19, 2013, Providence, RI.
- *Computability, Complexity, and Randomness*, Universidad de Buenos Aires. Invited special semester participant, March 12–18, 2013, Buenos Aires, Argentina.
- *Semantics and Syntax: A Legacy of Alan Turing*, Isaac Newton Institute. Special semester participant, February 5–26, 2012, Cambridge, UK.
- *Computability, Complexity, and Randomness*, Schloss Dagstuhl. Invited speaker and workshop participant, January 8–13, 2012, Dagstuhl, Germany.
- *Analysis and Randomness*, University of Auckland. Invited speaker, December 12–13, 2011, Auckland.
- *Reverse Mathematics Workshop*, University of Chicago. Workshop participant, September 16–18, 2011, Chicago.
- *Foundational Questions in the Mathematical Sciences*, International Academy Traunkirchen. Invited speaker, July 9–11, 2011, Traunkirchen, Austria.
- *Logic and Computational Complexity (LCC 2011)* at Logic in Computer Science (LICS 2011). Invited speaker, June 25, 2011, Toronto.

**Bayesian Statistics, Machine Learning, and Probabilistic Programming**

- *Higher-order probabilistic computation*, Bellairs Research Institute. Invited workshop participant, March 17–21, 2019, Barbados.
- *All of Bayesian Nonparametrics (BNP@NeurIPS)* at NeurIPS 2018. *Goodness-of-fit tests for high-dimensional discrete distributions with application to convergence diagnostics in Bayesian nonparametric inference*, poster, presented by coauthor F. A. Saad, December 7, 2018, Montreal, Canada.
- *Symposium on Advances in Approximate Bayesian Inference (AABI)* colocated with NeurIPS 2018. *Goodness-of-fit tests for high-dimensional discrete distributions with application to convergence diagnostics in approximate Bayesian inference*, poster, December 2, 2018, Montreal, Canada.
- *Probabilistic Programming Semantics* at Principles of Programming Languages (POPL 2017). Co-chair and workshop participant. *On computable representations of exchangeable data*, poster, and *Exchangeable Random Processes and Data Abstraction*, workshop paper, presented by coauthor S. Staton, January 17, 2017, Paris, France.
- *Uncertainty in Computation*, Simons Institute for the Theory of Computing. Invited workshop participant, October 4–7, 2016, Berkeley, CA.
- *Bayesian Methods for Networks*, Isaac Newton Institute. Invited speaker and workshop participant, July 25–27, 2016, Cambridge, UK.
- *Networks, Random Graphs, and Statistics*, Columbia University. Invited speaker and workshop participant, May 4–6, 2016, New York.
- *Probabilistic Programming Semantics* at Principles of Programming Languages (POPL 2016). Program Committee member and workshop participant. *Exchangeable random primitives*, workshop paper, presented by coauthor D. M. Roy, January 23, 2016, St. Petersburg, FL.



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WORKSHOPS  
(CONT'D)

**Bayesian Statistics, Machine Learning, and Probabilistic Programming (cont'd)**

- *Bayesian Nonparametrics: The Next Generation* at Neural Information Processing Systems (NIPS 2015), *Priors on exchangeable directed graphs*, workshop paper, presented by coauthor D. Cai, December 12, 2015, Montreal, Canada.
- *Challenges and Trends in Probabilistic Programming*, Schloss Dagstuhl. Invited workshop participant, April 26–30, 2015, Dagstuhl, Germany.
- *Information and Entropy*, NIMBioS. Invited workshop participant, April 8–10, 2015, Knoxville, TN.
- *Probabilistic Programming* at Neural Information Processing Systems (NIPS 2013), *A tour through the theoretical foundations of probabilistic programming*, presented by coauthor D. M. Roy, December 7, 2012, South Lake Tahoe, NV.
- *Monte Carlo Methods for Modern Applications* at Neural Information Processing Systems (NIPS 2010), *When are probabilistic programs probably computationally tractable?*, presented by coauthor V. K. Mansinghka, December 10, 2010, Whistler, Canada.
- *Nonparametric Bayes Workshop* at Neural Information Processing Systems (NIPS 2009), *Predictive computable iff posterior computable*, workshop paper, presented by coauthor D. M. Roy, December 12, 2009, Whistler, Canada.
- *Learning Workshop*, Computational and Biological Learning Society. *Probabilistic programs, computability, and de Finetti measures*, workshop paper, presented by coauthor D. M. Roy, April 13–16, 2009, Clearwater, FL.

**Combinatorics and Model Theory**

- *Structure and Dynamics of Polish Groups*, École Polytechnique Fédérale de Lausanne (EPFL). *Entropy of Invariant Measures*, presented by coauthor N. L. Ackerman, March 19, 2018, Lausanne, Switzerland.
- *Model Theory and Combinatorics*, Institut Henri Poincaré. Invited workshop participant, January 29–February 2, 2018, Paris, France.
- *Model Theory of Finite and Pseudofinite Structures*, University of Leeds. Invited speaker and workshop participant, July 27–29, 2016, Leeds, UK.
- *Logic, Rationality, & Intelligent Interaction*, Center for the Study of Language and Information, Stanford University. Invited speaker and workshop participant, May 28–29, 2016, Palo Alto, CA.
- *Homogeneous Structures*, Banff International Research Station for Mathematical Innovation and Discovery. Invited workshop participant, November 8–13, 2015, Banff, Canada.
- *Logic and Random Graphs*, Lorentz Center. Invited speaker and workshop participant, August 31 – September 4, 2015, Leiden, The Netherlands.
- *LMS–EPSRC Durham Symposium on Permutation Groups and Transformation Semigroups*, Durham University. Invited speaker and workshop participant, July 20 – 30, 2015. Durham, UK.
- *Second Workshop on Vaught's Conjecture*, UC Berkeley. Invited workshop participant, June 1–5, 2015. Berkeley, CA.
- *Homomorphisms and Graph Limits III*, Hraniční Záměček. Invited workshop participant, March 22–27, 2015. Hlohovec, Czech Republic.
- *Workshop on Homogeneous Structures*, Trimester Program on Universality and Homogeneity, Hausdorff Research Institute for Mathematics, University of Bonn. Invited workshop and trimester program participant, October 27 – November 2, 2013, Bonn, Germany.
- *Arbeitsgemeinschaft: Limits of Structures*, Mathematisches Forschungsinstitut Oberwolfach. Workshop participant, March 31 – April 5, 2013, Oberwolfach, Germany.

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WORKSHOPS  
(CONT'D)

**Combinatorics and Model Theory (cont'd)**

- *Graph Homomorphisms, Limits, and Structures II*, Hraniční Zámeček. Invited workshop participant, January 23–27, 2012. Hlohovec, Czech Republic.
- *Graph and Hypergraph limits*, American Institute of Mathematics. Invited workshop participant, August 15–19, 2011, Palo Alto.
- *Workshop on Homogeneous Structures*, University of Leeds. Workshop participant, July 19–22, 2011, Leeds, UK.
- *KGRC Mini-workshop*, Kurt Gödel Research Center. Invited speaker, July 12–13, 2011, Vienna.
- *Model Theory of Fields*, Mathematics Research Community, American Mathematics Society. Invited workshop participant, June 19–25, 2010, Snowbird, UT.

**Interactive Theorem Proving and Formalized Mathematics**

- *Artificial Intelligence in Theorem Proving*, CNRS Centre Paul-Langevin. Program Committee member and workshop participant, March 25–30, 2018, Aussois, France.
- *Computer-aided mathematical proof*, Isaac Newton Institute. Invited workshop participant, July 10–14, 2017, Cambridge, UK
- *Artificial Intelligence in Theorem Proving*, University of Innsbruck. Invited speaker, March 26–30, 2017, Obergurgl, Austria.
- *Artificial Intelligence in Theorem Proving*, University of Innsbruck. Workshop participant, April 3–7, 2016, Obergurgl, Austria.
- *Interactive Theorem Proving Workshop*, Computer Laboratory, University of Cambridge. Invited speaker, August 24–25, 2009, Cambridge, UK.
- *Isabelle Theorem Prover Developer's Workshop*, Technische Universität München (TUM). Invited workshop participant, August 13–15, 2009, Munich.

SELECTED PRESS  
COVERAGE

**Posterior distributions are computable from predictive distributions, 2010**

- [MIT News](#)

**Relativistic statistical arbitrage, 2010**

- [Wall Street Journal](#), [IEEE Spectrum](#), [Wired](#), [New Scientist](#), [BBC](#), [The Atlantic](#), [Fast Company](#)

**Causal entropic forces, 2013**

- [BBC](#), [APS Physics Magazine](#), [PhysOrg](#), [Forbes](#), [Quanta Magazine](#)

**The Fast Loaded Dice Roller, 2020**

- [Quanta Magazine](#), [MIT News](#)

TEACHING

**University of Hawai'i at Mānoa**

- *Math 243: Calculus III* (undergraduate course). Instructor, Spring 2011.
- *Math 649B: Logic* (graduate reading course on computational complexity). Co-instructor, Fall 2010.
- *Math 307: Linear Algebra and Differential Equations* (undergraduate course). Instructor, Fall 2010.

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TEACHING  
(CONT'D)

**Massachusetts Institute of Technology**

- 6.885: *Probabilistic Programming and Artificial Intelligence* (graduate course). Helped define problem sets and student projects; designed and delivered guest lectures, Spring 2020.
- 6.885: *Probabilistic Programming and Artificial Intelligence* (graduate course). Helped define problem sets and student projects; designed and delivered guest lectures, Spring 2019.
- 18.515: *Mathematical Logic* (graduate course). Instructor, Spring 2010.
- 18.03: *Differential Equations* (undergraduate course). Recitation Instructor and Course Administrator, Fall 2009.
- 18.575: *Model Theory* (graduate course). Instructor, Spring 2009.
- 18.03: *Differential Equations* (undergraduate course). Recitation Instructor, Fall 2008.

**Harvard University**

- QR 28: *The Magic of Numbers* (undergraduate course). Head Teaching Fellow, Fall 2007.
- Math 144: *Model Theory and Algebra* (undergraduate course). Teaching Fellow, Spring 2007.
- QR 28: *The Magic of Numbers* (undergraduate course). Teaching Fellow, Fall 2006.
- Math 141: *Intro. to Mathematical Logic* (undergraduate course). Teaching Fellow, Fall 2006.
- Math 143: *Set Theory* (undergraduate course). Teaching Fellow, Spring 2006.
- Math 141: *Intro. to Mathematical Logic* (undergraduate course). Teaching Fellow, Fall 2005.
- Math 137: *Algebraic Geometry* (undergraduate course). Teaching Fellow, Spring 2005.
- Math 144: *Model Theory and Algebra* (undergraduate course). Teaching Fellow, Spring 2005.
- Math 141: *Intro. to Mathematical Logic* (undergraduate course). Teaching Fellow, Fall 2003.

**Program in Mathematics for Young Scientists (PROMYS)**

- *Undecidability and Hilbert's 10th Problem* (advanced seminar for high school students). Co-instructor, Summer 2020.

MENTORING

**Doctoral**

Boston University

- *Improved necessary and sufficient conditions for the existence of a subtle cardinal*, Peter Barendse, Ph.D. in Mathematics. Dissertation committee member, 2010.

**Master's**

Massachusetts Institute of Technology

- *Performance engineering in C and Julia for discrete distributions in probabilistic programming*, Anis Ehsani, M.Eng. student, Fall 2020 – Spring 2021.

African Institute for Mathematical Sciences (AIMS) Senegal

- *Logical methods in combinatorics*, Jean-Marc Mavugo, Master in Mathematical Sciences. External examiner, 2020.

**Undergraduate**

Massachusetts Institute of Technology

- *Evaluating inference quality for generative models using multivariate simulation based calibration*, Sharan Yalburgi, visiting student, Summer 2020 – Spring 2021.

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MENTORING  
(CONT'D)

**Undergraduate (cont'd)**

University of Hawai'i at Mānoa

- *Computability and the Lovász Local Lemma*, Travis Hee Wai. NSF-funded undergraduate research mentor, Fall 2010. Hee Wai was selected as the Hawai'i Council of Engineering Societies' 2011 Student Engineer of the Year.

Undergraduate Research Opportunities Program (UROP), Massachusetts Institute of Technology

- *Combinatorial games and random structures*, Tamvana Makuluni. Undergraduate research mentor, Summer 2009.
- *Combinatorial games, linear orders, and logic*, Manuel Rivera. Undergraduate research mentor, Fall 2008 and IAP 2009.

Summer Program in Undergraduate Research (SPUR), Massachusetts Institute of Technology

- *A q-analogue of the Narayana numbers and a combinatorial interpretation*, Guilherme Issao Fujiwara. Research Experience for Undergraduates (REU) project mentor, 2005.
- *Some combinatorial results on subset sums of  $\mathbb{Z}/n\mathbb{Z}$* , Kyungmin Kim. Research Experience for Undergraduates (REU) project mentor, 2005.

Freshman advising, Massachusetts Institute of Technology

- Advised 4 undergraduate math majors, Fall 2009.

**High School**

Research Science Institute (RSI)

- *Descriptive complexity of random bit strings*, Benjamin Dozier. High school mathematics research project mentor, 2007. Project led to Dozier being selected as a Finalist (top 40 nationwide) in the Intel Science Talent Search.
- *Cake-cutting with locally negative preference functions*, Winston Luo. High school mathematics research project mentor, 2007.

Program in Mathematics for Young Scientists (PROMYS)

- Co-instructor, *Undecidability and Hilbert's 10th Problem*, Advanced seminar for high school students, 2020.
- High school research project designer, 2008, 2011, and 2020.
- High school mathematics research project mentor, 2004–2007.
- Counselor, 2000–2003.

PROFESSIONAL  
ACTIVITIES

**Board of Trustees**

- Trustee, *PROMYS Foundation*, a 501(c)(3) organization with the goal of supporting the PROMYS Program at Boston University, 2011 – Present. (Secretary, 2011–2019.)

**Steering Committee**

- Steering Committee member, *Workshop on Languages for Inference (LAFI)*, formerly known as the Workshop on Probabilistic Programming Semantics (PPS), 2018–Present.

**Program Committee Chair**

- Program Committee co-chair, *Workshop on Probabilistic Programming Semantics (PPS 2018)*, colocated with POPL, Los Angeles, January 9, 2018.
- Program Committee co-chair, *Workshop on Probabilistic Programming Semantics (PPS 2017)*, colocated with POPL, Paris, France, January 17, 2017.

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PROFESSIONAL  
ACTIVITIES  
(CONT'D)

**Senior Program Committee / Area Chair**

- Area Chair, *Artificial Intelligence and Statistics (AISTATS 2021)*, online, April 13–15, 2021.
- Area Chair, *Artificial Intelligence and Statistics (AISTATS 2020)*, online, August 26–28, 2020.
- Senior Program Committee member, *Uncertainty in Artificial Intelligence (UAI 2019)*, Tel Aviv, Israel, July 22–25, 2019.

**Program Committee**

- Program Committee member, *Conference on Artificial Intelligence and Theorem Proving (AITP 2018)*, Aussois, France, March 25–30, 2018.
- Program Committee member, *AAAI Conference on Artificial Intelligence (AAAI-17)*, San Francisco, CA, February 4–9, 2017.
- Program Committee member, *Workshop on Practical Bayesian Nonparametrics (BNP @ NIPS)*, Barcelona, Spain, December 9, 2016.
- Program Committee member, *Mathematical Foundations of Programming Semantics XXXII (MFPS 2016)*, Pittsburgh, PA, May 23–26, 2016.
- Program Committee member, *Workshop on Probabilistic Programming Semantics (PPS 2016)*, colocated with POPL, St. Petersburg, FL., January 23, 2016.
- Program Committee member, *Conference on Computability and Complexity in Analysis (CCA 2013)*, Nancy, France, July 8–10, 2013.

**Organizer**

- Co-organizer, *Special Session on Logic and Graph Limits*, Association for Symbolic Logic, North American Annual Meeting, University of California, Irvine, March 27, 2020 (cancelled).
- Co-organizer, Harvard–MIT Logic Seminar, 2012–2013.
- Co-organizer, *Special Session on Computability and Complexity*, American Mathematical Society Sectional Meeting, University of Hawai‘i at Mānoa, March 3–4, 2012.
- Co-organizer, MIT Logic Seminar, 2008–2010.
- Local Committee, *MAMLS @ Harvard: A meeting on the intersections of logic and mathematics*, May 9–10, 2009.

REFEREEING AND  
REVIEWING

**Journal refereeing**

- Annals of Pure and Applied Logic
- Combinatorica
- Computability – The Journal of the Association CiE
- European Journal of Combinatorics
- Information Processing Letters
- Journal of Machine Learning Research
- Journal of Mathematical Logic
- Journal of Symbolic Logic
- Logical Methods in Computer Science
- Memoirs of the AMS
- SIAM Journal on Discrete Mathematics

*Cameron E. Freer*

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REFEREEING AND  
REVIEWING  
(CONT'D)

**Book refereeing**

- A K Peters
- MIT Press
- O'Reilly

**Conference reviewing**

- Artificial Intelligence and Theorem Proving (AITP)
- Association for the Advancement of Artificial Intelligence (AAAI)
- Computability and Complexity in Analysis (CCA)
- Computability in Europe (CiE)
- Foundations of Computer Science (FOCS)
- International Conference on Machine Learning (ICML)
- Mathematical Foundations of Computer Science (MFCS)
- Mathematical Foundations of Programming Semantics (MFPS)
- Probabilistic Programming (PROBPROG)

**Workshop reviewing**

- Bayesian Nonparametrics (BNP@NeurIPS)
- Probabilistic Programming Semantics (PPS)

## **EXHIBIT 2**

### MATERIALS CONSIDERED

Description
Account Table ( <i>representante</i> ) provided by Huron
Invoice Table ( <i>fatura</i> ) provided by Huron
Transfer Table ( <i>transferencia</i> ) provided by Huron
Bonus Table ( <i>bonus</i> ) provided by Huron
Darr v. Dos Santos (In re TelexFree, LLC), 941 F.3d 576, 579 (1st Cir. 2019)
Memorandum of Decision on Class Defendants’ Motion to Exclude Expert Witness Testimony of Timothy Martin, dated June 1, 2021
TelexFree Analysis of Damages, dated March 16, 2017
N. Ackerman, C. Freer, and D. Roy. On the computability of conditional probability, <i>Journal of the ACM</i> 66, no. 3, 23:1–23:40, 2019.
F. Saad, N. Ackerman, C. Freer, and V. Mansinghka. A family of exact goodness-of-fit tests for high-dimensional discrete distributions, <i>Proceedings of the 22nd International Conference on Artificial Intelligence and Statistics</i> , PMLR 89, 1640–1649, 2019.
D. Cai, N. Ackerman, and C. Freer. Priors on exchangeable directed graphs, <i>Electronic Journal of Statistics</i> , 10, no. 2, 3490–3515, 2016.
Rebuttal Expert Report of Joshua W. Dennis, dated July 31, 2020
Affidavit of Frantz Balan, dated July 29, 2020
Affidavit of Lusette Balan, dated July 29, 2020
Expert Report of Timothy J. Martin, dated April 13, 2018
Reply Expert Report of Timothy J. Martin, dated September 11, 2020
Trustee’s Memorandum in Support of the Admissibility of Timothy Martin’s Expert Opinion, dated November 18, 2020
Communication with Jean-Louis Sorondo of Huron
Summary Table ( <i>rep_id_summary</i> ) provided by Huron
Memorandum of Decision on Class Defendants’ Motion to Exclude Expert Witness Testimony of Timothy Martin, dated June 22, 2021
Field Description Table ( <i>10ksample.xlsx</i> ) provided by Huron
Kabudula, C.W., Clark, B.D., Gómez-Olivé, F.X., Tollman, S., Menken, J. and Reniers, G. The promise of record linkage for assessing the uptake of health services in resource constrained settings: a pilot study from South Africa. <i>BMC Med Res Methodol</i> 14, 71 (2014)
“RFC 2822” ( <a href="https://datatracker.ietf.org/doc/html/rfc2822">https://datatracker.ietf.org/doc/html/rfc2822</a> )
"Address Verification Service" Wikipedia Page ( <a href="https://en.wikipedia.org/wiki/Address_verification_service">https://en.wikipedia.org/wiki/Address_verification_service</a> )
L. Getoor and A. Machanavajjhala, Entity Resolution: Tutorial, <i>Advances in Social Network Analysis and Mining</i> , 2012
Scott L DuVall, Richard A Kerber, Alun Thomas “Extending the Fellegi-Sunter probabilistic record linkage method for approximate field comparators”, <i>J Biomed Inform.</i> 2010; 43(1):24-30.



Description
"FuzzyWuzzy: Fuzzy String Matching in Python" ( <a href="https://chairnerd.seatgeek.com/fuzzywuzzy-fuzzy-string-matching-in-python/">https://chairnerd.seatgeek.com/fuzzywuzzy-fuzzy-string-matching-in-python/</a> )
RapidFuzz Library ( <a href="https://github.com/maxbachmann/RapidFuzz">https://github.com/maxbachmann/RapidFuzz</a> )
Pattern Matching: The Gestalt Approach ( <a href="https://www.drdobbs.com/database/pattern-matching-the-gestalt-approach/184407970?pgno=5">https://www.drdobbs.com/database/pattern-matching-the-gestalt-approach/184407970?pgno=5</a> )
"difflib" ( <a href="https://docs.python.org/3/library/difflib.html">https://docs.python.org/3/library/difflib.html</a> )
"When to use which fuzz function to compare two strings" ( <a href="https://stackoverflow.com/questions/31806695/when-to-use-which-fuzz-function-to-compare-2-strings">https://stackoverflow.com/questions/31806695/when-to-use-which-fuzz-function-to-compare-2-strings</a> )
Winkler, W. E.: String Comparator Metrics and Enhanced Decision Rules in the Fellegi-Sunter Model of Record Linkage. In: Proceedings of the Section on Survey Research. American Statistical Association, pp. 354–359, 1990.
Splink Python package ( <a href="https://github.com/moj-analytical-services/splink">https://github.com/moj-analytical-services/splink</a> )
Enamorado, T., Fifield, B., and Imai, K. (2019). Using a probabilistic model to assist merging of large-scale administrative records. <i>American Political Science Review</i> , 113(2), 353-371.
Apache Spark Engine ( <a href="https://spark.apache.org/">https://spark.apache.org/</a> )
Fellegi, I. P. and Sunter, A. B. (1969). A theory for record linkage. <i>Journal of the American Statistical Association</i> , 64(328), 1183-1210.
Winkler, W. E. Using the EM Algorithm for Weight Computation in the Fellegi-Sunter Model of Record Linkage, <i>American Statistical Association, Proceedings of the Section on Survey Research Methods</i> , 667-671 (1988).
T. Enamorado and K. Imai. Validating Self-Reported Turnout by Linking Public Opinion Surveys with Administrative Records. <i>Public Opinion Quarterly</i> , Volume 83, Issue 4, Winter 2019.
Philip A. Collender, Zhiyue Tom Hu, Charles Li, Qu Cheng, Xintong Li, Yue You, Song Liang, Changhong Yang, and Justin V. Remais. Machine-learning classifiers for logographic name matching in public health applications: approaches for incorporating phonetic, visual, and keystroke similarity in large-scale probabilistic record linkage. arXiv:2001.01895, 2020.
Tom Jackson, Caris Greyson, Ian Rickard and Andromachi Tseloni. Data First: Criminal Courts Linked Data. An exploratory analysis of returning defendants and the potential of linked criminal courts data from 2011 to 2019 in England and Wales. Ministry of Justice Analytical Series, UK Ministry of Justice, 2022.
Pandas Python library ( <a href="https://pandas.pydata.org/">https://pandas.pydata.org/</a> )
Wes McKinney. <i>Python for Data Analysis</i> , 2nd Edition, 2017.
Randall, S.M., Ferrante, A.M., Boyd, J.H., Semmens J.B. The effect of data cleaning on record linkage quality. <i>BMC Med Inform Decis Mak</i> 13, 64 (2013)
"North American Numbering Plan" ( <a href="https://en.wikipedia.org/wiki/North_American_Numbering_Plan">https://en.wikipedia.org/wiki/North_American_Numbering_Plan</a> )
"Telephone numbers in Brazil" ( <a href="https://en.wikipedia.org/wiki/Telephone_numbers_in_Brazil">https://en.wikipedia.org/wiki/Telephone_numbers_in_Brazil</a> )

Description
Dusetzina SB, Tyree S, Meyer AM, Meyer A, Green L, and Carpenter WR. Linking Data for Health Services Research: A Framework and Instructional Guide. US Agency for Healthcare Research and Quality, Rockville, MD, 2014.
J. S. Murray, “Probabilistic Record Linkage and Deduplication after Indexing, Blocking, and Filtering”. Journal of Privacy and Confidentiality (2015–2016)
“m and u probabilities” ( <a href="https://observablehq.com/@robinl/m-and-u-probabilities">https://observablehq.com/@robinl/m-and-u-probabilities</a> )
Y. Zhu, Y. Matsuyama, Y. Ohashi, and S. Setoguchi. When to conduct probabilistic linkage vs. deterministic linkage? A simulation study. Journal of Biomedical Informatics 56 (2015): 80-86).
Yang, J. and Leskovec, J.. Defining and evaluating network communities based on ground-truth. Knowledge and Information Systems, 42(1): 2015, 181-213.
D. Resnick and J. Asher. Measurement of Type I and Type II Record Linkage Error. Proceedings of the American Statistical Association, Government Statistics Section; Arlington, VA, USA: American Statistical Association; 2019. pp. 293–311.
A. Ferrante and J. Boyd. A transparent and transportable methodology for evaluating Data Linkage software. Journal of Biomedical Informatics 45, no. 1 (2012): 165-172.
Y. Y. Yao. Information-theoretic measures for knowledge discovery and data mining. In Entropy Measures, Maximum Entropy Principle and Emerging Applications, pages 115–136. Karmeshu (ed.), Springer, 2003.
S. Emmons, S. Kobourov, M. Gallant, and K. Börner. Analysis of network clustering algorithms and cluster quality metrics at scale. PloS One, 11(7): (2016).
<i>AggValidationStep1_13_A.docx</i> provided by Huron
<i>updated testing script jls.sql</i> provided by Huron
<i>01052016 aggregation.sql</i> provided by Huron
<i>Aggregation Validation.docx</i> provided by Huron
Christen, P. (2011). A survey of indexing techniques for scalable record linkage and deduplication. IEEE Transactions on Knowledge and Data Engineering, 24(9), 1537-1555
Parag Singla and Pedro Domingos, Multi-Relational Record Linkage. KDD-2004 Workshop on MultiRelational Data Mining, pp. 31-48
Olivier Binette and Rebecca C. Steorts, (Almost) All of Entity Resolution, arXiv:2008.04443, 2022
P. Christen, <i>Data Matching</i> , Data-Centric Systems and Applications, Springer-Verlag, 2012.
Ong TC, Duca LM, Kahn MG, and Crume TL. A hybrid approach to record linkage using a combination of deterministic and probabilistic methodology. J Am Med Inform Assoc. 2020;27(4):505-513
Radford M. Neal and Geoffrey E. Hinton. A view of the EM algorithm that justifies incremental, sparse, and other variants. Learning in Graphical Models. Springer, 1998. 355-368
William E. Winkler and Yves Thibaudeau. An application of the Fellegi-Sunter model of record linkage to the 1990 US decennial census. US Bureau of the Census, 1991

Description
“Código de Endereçamento Postal” ( <a href="https://en.wikipedia.org/wiki/C%C3%B3digo_de_Endere%C3%A7amento_Postal">https://en.wikipedia.org/wiki/C%C3%B3digo_de_Endere%C3%A7amento_Postal</a> )
UK Office of National Statistics. (2021). Splink: MoJ’s open source library for probabilistic record linkage at scale. ( <a href="https://www.gov.uk/government/publications/joined-up-data-in-government-the-future-of-data-linking-methods/splink-moj-s-open-source-library-for-probabilistic-record-linkage-at-scale">https://www.gov.uk/government/publications/joined-up-data-in-government-the-future-of-data-linking-methods/splink-moj-s-open-source-library-for-probabilistic-record-linkage-at-scale</a> )
“National identification number” ( <a href="https://en.wikipedia.org/wiki/National_identification_number">https://en.wikipedia.org/wiki/National_identification_number</a> )
Hernández, M.A. and Stolfo, S.J. Real-world Data is Dirty: Data Cleansing and The Merge/Purge Problem. <i>Data Mining and Knowledge Discovery</i> 2, 9–37 (1998)
Charpentier, Bertrand. Multi-scale clustering in graphs using modularity. Master’s thesis, KTH, 2019
X Yan, LGS Jeub, A Flammini, F Radicchi, and S Fortunato. Weight thresholding on complex networks. <i>Physical Review E</i> 98.4 (2018): 042304
Uday Kamath and John Liu. <i>Explainable Artificial Intelligence: An Introduction to Interpretable Machine Learning</i> . Springer, 2021
Sneath, P.H.A and Sokal, R.R.. <i>Numerical Taxonomy: the Principles and Practice of Numerical Classification</i> . Freeman, New York (1973)
“CPF number” ( <a href="https://en.wikipedia.org/wiki/CPF_number">https://en.wikipedia.org/wiki/CPF_number</a> )

## **EXHIBIT 3**

Cluster ID	Total Net Equity	Total Number of User Accounts
132785	\$4,087,745.19	471

rep_id	ag_rep_id	rep_nome	rep_email	rep_cel	rep_fone	rep_end	rep_numero	rep_cep	rep_login	rep_pwd_secondary	rep_cpf	rep_datanasc	net_equity
1	132785	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	1630 Worcester rd # 626 C	1630	01702	ttmilagres	c99fb769d8bcee3287936bf71335976e	5089043810		\$ 2,580,340.17
2	4471758	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett rd	2b	01702	ttstars	c99fb769d8bcee3287936bf71335976e	5089043801	1953-10-15	\$ 1,581,837.02
3	11244377	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brackett rd	2B	01702	lilimax	ba168c2e6d5fa0cc0b72c48454335a67	0129019033	1953-10-15	\$ 237,712.10
4	10526539	Maria Neves	zieffj@yahoo.com	5089043810	5089043810	2B Brackett Rd	.	.	ttmilagres01	fd7b8fce445cb01fb358a4ac2b5cb4ab	972354253	1953-10-15	\$ 85,842.00
5	11277987	Maria Teresa m Neves	hbmaltaro@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	ttnews1	51990a482be6a725cff5cd88c070750	5089041038	1953-10-15	\$ 27,174.80
6	162734	Maria T Neves	ttmilagres@gmail.com	5089043810	5089043810	1630 Worcester rd # 626	626	01702	ttmilagres3	e36b0cc8105b559ded106fb5008533a	5089043810		\$ 24,531.00
7	206326	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2B Brackett rd	2B	01702	ttmilagres9	c99fb769d8bcee3287936bf71335976e	38160838620		\$ 11,589.00
8	235817	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2B Brackett Rd	2B	01702	callandsave	c99fb769d8bcee3287936bf71335976e	5089043810		\$ 6,894.80
9	190471	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2B Brackett Rd	2B	01702	ttmilagres6	c99fb769d8bcee3287936bf71335976e	5089043810		\$ 1,574.60
10	196685	maria neves	mmariashousecleaning@gmail.com	8572367654	8572367654	998 pleasant st	998	01701	prosperity	6b3784d2708615ed49a1ae177b7ad757	017924521		\$ 399.20
11	8658454	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	2B Brackett rd	2B	01702	callandsave11	c99fb769d8bcee3287936bf71335976e	950890432	1953-10-15	\$ 0.00
12	18694481	Mar ives	ttmilagres@gmail.com	5557862314	5557862314	f	.	01702	loriloricl4		55578623145		\$ (49.90)
13	11303053	Maria Teresa M. Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brackett	.	.	lilimax3cl		935268456		\$ (49.90)
14	3470118	Maria Teresa M Neves	ttmilagres@gmail.com	.	5089043810	2B Brackett rd	.	01702	ttclient2		.		\$ (49.90)
15	18044647	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd	.	bh14qu	galonews153c		4447862314		\$ (49.90)
16	8670314	Maria T. M. Neves	ttmilagres@gmail.com	5089043810	5089043810	.	.	.	callcl		950890432		\$ (49.90)
17	17951851	Maria Neves	anaevangelista2000@hotmail.com	7743860576	7743860576	Beaver st	126 a	01702	lmdaniel2009		Ya048297		\$ (49.90)
18	13405463	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	.	.	01702	ttmilagres04cl		50890438100		\$ (49.90)
19	17953997	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd	.	bh14qu	galonews142cl		4447862314		\$ (49.90)
20	17952007	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd	.	bh14qu	galonews142c		4447862314		\$ (49.90)
21	17953397	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd	.	bh14qu	galonews141c		4447862314		\$ (49.90)
22	17969729	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd	.	bh14qu	galonews148c		4447862314		\$ (49.90)
23	18693999	Mar ives	ttmilagres@gmail.com	5557862314	5557862314	f	.	01702	loriloricl2		55578623144		\$ (49.90)
24	17969509	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd	.	bh14qu	galonews147c		4447862314		\$ (49.90)
25	27599942	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	02b brackett rd	2	01702	vgjoy3u3ukn1o76		407911761866863		\$ (49.90)
26	27599740	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	02b brackett rd	2	01702	0nx63zyha8c31at		051374476481342		\$ (49.90)
27	27599736	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	02b brackett rd	2	01702	hrq0asgjn15bb0		769534994626182		\$ (49.90)
28	27599878	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	02b brackett rd	2	01702	ckk5ixsvf21pi6a		748917819278767		\$ (49.90)
29	27599816	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	02b brackett rd	2	01702	xiacthp3gphh6bc		060542984872297		\$ (49.90)
30	18040213	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd	.	bh14qu	galonews144c		4447862314		\$ (49.90)
31	18049149	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd	.	bh14qu	galonews154c		4447862314		\$ (49.90)
32	27599818	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	02b brackett rd	2	01702	0zmv2yqstrc70jy		554603571210057		\$ (49.90)
33	27599914	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	02b brackett rd	2	01702	ydwgwf18xw06rvr		658185559740974		\$ (49.90)
34	16637951	Maria Teresa Milagres Neves	ttmilagres@gmail.com	.	5089043810	.	.	01702	galonews18voip		.		\$ (49.90)
35	27600072	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	02b brackett rd	2	01702	dw11xgg71rpqmx7		770005647656451		\$ (49.90)
36	16735401	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	..	.	.	galonews96cl		9999999999		\$ (49.90)
37	27600056	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	02b brackett rd	2	01702	p24ootezu66bxw		934095726224705		\$ (49.90)
38	27600042	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	02b brackett rd	2	01702	86296agwmj8gc5h		037385210030137		\$ (49.90)
39	27599980	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	02b brackett rd	2	01702	lvz0l7gshybujsf		138131723852869		\$ (49.90)
40	27599962	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	02b brackett rd	2	01702	sspnmk8a50t69os		229588926084043		\$ (49.90)
41	27599944	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	02b brackett rd	2	01702	3gmcej4hcj6570i	ec7dba3645ffe49b7b30edbc0dec32	397590931692931		\$ (49.90)
42	18066859	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd	.	bh14qu	galonews169c		4447862314		\$ (49.90)
43	16640697	Maria Teresa Milagres Neves	ttmilagres@gmail.com	.	5089043810	.	.	01702	galonews56voip		.		\$ (49.90)

44	27599808	27599808	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	02b brackett rd	2	01702	nqvi059r853r6lf		336176974339834	\$ (49.90)
45	16625101	16621363	Maria Teresa Milagres Neves	ttmilagres@gmail.com	.	5089043810	.	.	01702	galonews11voip	.	.	\$ (49.90)
46	16633881	16628681	Maria Teresa Milagres Neves	ttmilagres@gmail.com	.	5089043810	2 B brackett rd	.	01702	galonews41voip	.	.	\$ (49.90)
47	16783083	16773575	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	02 b Brackett Rd	.	01702	galonews105cl		0129019034	\$ (49.90)
48	16773575	16773575	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	02 b Brackett Rd	.	01702	galonews07cl		5089043810	\$ (49.90)
49	16780763	16773575	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	02 b Brackett Rd	.	01702	galonews13cl		0129019034	\$ (49.90)
50	16773901	16773575	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	02 b Brackett Rd	.	01702	galonews89cl		0129019034	\$ (49.90)
51	16776559	16773575	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	02 b Brackett Rd	.	01702	galonews15cl		0129019034	\$ (49.90)
52	16780373	16773575	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	02 b Brackett Rd	.	01702	galonews112cl		0129019034	\$ (49.90)
53	16732883	16732883	Maria milagres	ttmilagres@gmail.com	5089043810	5089043810	.	.	.	galonews08cl		99999999999	\$ (49.90)
54	10741927	10715815	Teresa neves	teresamilagres@hotmail.com	5089043810	5089043810	.	.	.	ttcliente13		947147632	\$ (49.90)
55	10741803	10715815	Teresa neves	teresamilagres@hotmail.com	5089043810	5089043810	.	.	.	ttcliente12		947147632	\$ (49.90)
56	10526503	10526503	maria Teresa Milagres	ttmilagres@gmail.com	5089043810	5089043810	.	.	.	ttcliente9		972354253	\$ (49.90)
57	11501403	11501403	maria lares	m.adame43@yahoo.com	9132599771	9132599771	2101 w fuller ave	2101	76133	mary999		999999999	\$ (49.90)
58	16337571	16337571	maria neves	mmariashousecleaning@gmail.com	8572367654	8572367654	155 pleasant st	155	01752	prosperityvoip		1327658	\$ (49.90)
59	17966355	17962023	maria neves	ttmilagres@gmail.com	5089043810	5089043810	268 a windaham rd	268	bh14qu	galonews183c		4447862314	\$ (49.90)
60	17237597	13405463	maria neves	ttmilagres@gmail.com	5089043810	5089043810	.	.	01702	ttmilagres00cl		0129019033	\$ (49.90)
61	16631955	16621363	Maria Teresa Milagres Neves	ttmilagres@gmail.com	.	5089043810	.	.	01702	galonews38voip		.	\$ (49.90)
62	16644253	16621363	Maria Teresa Milagres Neves	ttmilagres@gmail.com	.	5089043810	.	.	01702	galonews63voip		.	\$ (49.90)
63	16622511	16621363	Maria Teresa Milagres Neves	ttmilagres@gmail.com	.	5089043810	.	.	01702	galonews6voip		.	\$ (49.90)
64	16629235	16621363	Maria Teresa Milagres Neves	ttmilagres@gmail.com	.	5089043810	.	.	01702	galonews30voip		.	\$ (49.90)
65	16646383	16621363	Maria Teresa Milagres Neves	ttmilagres@gmail.com	.	5089043810	.	.	01702	galonews71voip		.	\$ (49.90)
66	16634173	16621363	Maria Teresa Milagres Neves	ttmilagres@gmail.com	.	5089043810	.	.....	01702	galonews47voip		.	\$ (49.90)
67	16631271	16621363	Maria Teresa Milagres Neves	ttmilagres@gmail.com	.	5089043810	.	.	01702	galonews37voip		.	\$ (49.90)
68	16626347	16621363	Maria Teresa Milagres Neves	ttmilagres@gmail.com	.	5089043810	.	.	01702	galonews21voip		.	\$ (49.90)
69	16641989	16621363	Maria Teresa Milagres Neves	ttmilagres@gmail.com	.	5089043810	.	.	01702	galonews59voip		.	\$ (49.90)
70	16640355	16621363	Maria Teresa Milagres Neves	ttmilagres@gmail.com	.	5089043810	.	.	01702	galonews55voip		.	\$ (49.90)
71	16626785	16621363	Maria Teresa Milagres Neves	ttmilagres@gmail.com	.	5089043810	.	.	01702	galonews22voip		.	\$ (49.90)
72	16621363	16621363	Maria Teresa Milagres Neves	ttmilagres@gmail.com	.	5089043810	.	.	01702	galonews7		.	\$ (49.90)
73	16639051	16621363	Maria Teresa Milagres Neves	ttmilagres@gmail.com	.	5089043810	.	.	01702	galonews14voip		.	\$ (49.90)
74	16628681	16628681	Maria Teresa Milagres Neves	ttmilagres@gmail.com	.	5089043810	2 B brackett rd	.	01702	galonews25voip		.	\$ (49.90)
75	16630149	16621363	Maria Teresa Milagres Neves	ttmilagres@gmail.com	.	5089043810	.	.	01702	galonews12voip		.	\$ (49.90)
76	16642523	16621363	Maria Teresa Milagres Neves	ttmilagres@gmail.com	.	5089043810	.	.	01702	galonews60voip		.	\$ (49.90)
77	16644521	16644521	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	.	.	01702	galonews68voip		0129019033	\$ (49.90)
78	16646637	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews76voip		0129019033	\$ (49.90)
79	27599762	27599762	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	02b brackett rd	2	01702	8lrjcvemfzsmo7		510454580106036	\$ (49.90)
80	15376207	15376207	rita lares	calderonr27@yahoo.com	8178455929	8176924229	4409 merida st	4409	76133	lpiruleto		999999999	\$ (49.90)
81	19161311	19159783	Mara ves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd	.	01702	ttstars0cl7		4554465658	\$ (49.90)
82	19160801	19159783	Mara ves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd	.	01702	ttstars0cl6		4554465658	\$ (49.90)
83	19160197	19159783	Mara ves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd	.	01702	ttstars0cl3		455446565887	\$ (49.90)
84	18990527	18990383	Mara ives	ttmilagres@gmail.com	7787862314	4447862314	2 bhgh rd	.	01702	conectingcl3		44477776767	\$ (49.90)
85	18990647	18990383	Mara ives	ttmilagres@gmail.com	7787862314	4447862314	2 bhgh rd	.	01702	conectingcl		44477776768	\$ (49.90)
86	19161765	19159783	Mara ves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd	.	01702	ttstars0cl10		455446565	\$ (49.90)
87	19159783	19159783	Mara ves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd	.	01702	ttstars0cl1		455446565887	\$ (49.90)
88	16620383	16620383	Maria Neves	hbmaltaro@gmail.com	5089043810	5089043810	hbmaltaro@gmail.com	.	.	galonews4client		999999999	\$ (49.90)
89	19161623	19159783	Mara ves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd	.	01702	ttstars0cl9		455446565	\$ (49.90)
90	18990959	18990383	Mara ives	ttmilagres@gmail.com	7787862314	4447862314	2 bhgh rd	.	01702	conectingcl5		44477776768	\$ (49.90)
91	18990811	18990383	Mara ives	ttmilagres@gmail.com	7787862314	4447862314	2 bhgh rd	.	01702	conectingcl4		44477776768	\$ (49.90)
92	19159877	19159783	Mara ves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd	.	01702	ttstars0cl2		455446565887	\$ (49.90)

93	18990383	18990383	Mara ives	ttmilagres@gmail.com	7787862314	4447862314	2 bhgh rd		01702	conectingcl2		44477776767		\$ (49.90)
94	19161461	19159783	Mara ves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd		01702	ttstars0cl8		45544656588		\$ (49.90)
95	16438329	14057783	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	.	.	01702	thth7cliente		50890438101		\$ (49.90)
96	18052713	17946195	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd		bh14qu	galonews184c		4447862314		\$ (49.90)
97	19160613	19159783	Mara ves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd		01702	ttstars0cl5		45544656588		\$ (49.90)
98	18694363	18693825	Mar ives	ttmilagres@gmail.com	5557862314	5557862314	f		01702	loriloricl3		55578623144		\$ (49.90)
99	19160413	19159783	Mara ves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd		01702	ttstars0cl4		45544656588		\$ (49.90)
100	18069637	17946195	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd		bh14qu	galonews170c		4447862314		\$ (49.90)
101	18990151	18990151	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	2 bhgh rd		01702	conectingcl1		44477776767		\$ (49.90)
102	18693825	18693825	Mar ives	ttmilagres@gmail.com	5557862314	5557862314	f		01702	loriloricl1		55578623144		\$ (49.90)
103	10798821	10798821	Maria Teresa Milagres Neves	sullyg24@gmail.com	5089043810	5089043810	2b Brackett rd	2b	01702	ttstarrs	2f11def4b449903f0c287715ddbe17fb	5089043888	1953-10-15	\$ (50.00)
104	10528279	10528279	Maria T. M. Neves	andradesrv@hotmail.com	5089043810	5089043810	.	.	.	ttstars1	54cffaca3d18b37e7b373252sefa0b62	933147852	1953-10-15	\$ (50.00)
105	11149467	11149467	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	2b brackett Rd,	2	01702	simplemoney	e99fb769d8bcee3287936bf71335976e	952718048	1953-10-15	\$ (50.00)
106	14618193	14618193	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brakett Rd		01702	ttmilagres06	e489d262de4bcf401a017219dcfa958	0129019033	1953-10-15	\$ (50.00)
107	14787301	14786381	Maria Neves	ttmilagres@gmail.com	.	5089043810	.	.	01702	lilimax23voip		.		\$ (99.80)
108	14004009	14004009	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	.	.	01702	htht62cl		0129019033		\$ (99.80)
109	14792677	14786381	Maria Neves	ttmilagres@gmail.com	.	5089043810	.	.	01702	lilimax35voip		.		\$ (99.80)
110	14791361	14786381	Maria Neves	ttmilagres@gmail.com	.	5089043810	.	.	01702	lilimax34voip		.		\$ (99.80)
111	10495711	10495711	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	.	.	..	ttstarsclient		978523658		\$ (99.80)
112	14057783	14057783	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	.	.	01702	thth16cl		0129019033		\$ (99.80)
113	14789721	14786381	Maria Neves	ttmilagres@gmail.com	.	5089043810	.	.	01702	lilimax28voip		.		\$ (99.80)
114	12467711	10495711	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	.	.	.	ttstarscl4		50890438100		\$ (99.80)
115	296483	296413	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2B Brakett rd	2	01702	ttcliente2		5089043810		\$ (99.80)
116	2261362	2261362	Maria Teresa Neves	teresamilagres@hotmail.com	5089043810	5089043810	2B Brackett Rd	2B	01702	ttnevescliente		5089043810		\$ (99.80)
117	2060788	2060788	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	2B Brackett rd	2	01702	ttcliente3		5089043810		\$ (99.80)
118	18679463	18679463	Maria Teresa Neves	ttmilagres@gmail.com	4447862314	4447862314	02b bracketrd		01702	ttmilgres0cl1		4447862314		\$ (99.80)
119	14008259	14007419	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2b brackett Rd	2	01702	thth7cl		99999999999		\$ (99.80)
120	14574063	14574063	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brakett Rd	.	.	callandsave6cl		0129019033		\$ (99.80)
121	11599805	11599805	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	.	.	.	skysun4cliente		99999999999		\$ (99.80)
122	14786381	14786381	Maria Neves	ttmilagres@gmail.com	.	5089043810	..	.	01702	lilimax16voip		.		\$ (99.80)
123	11766001	11766001	Marai Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	2 b Brackett rd	2	01702	ttstarscl03		50890438100		\$ (99.80)
124	18679979	18679827	Mara Tes Nev	ttmilagres@gmail.com	4447862314	4447862314	02b bracketrd		01702	ttmilgres0cl3		4447862314		\$ (99.80)
125	18679827	18679827	Mara Tes Nev	ttmilagres@gmail.com	4447862314	4447862314	02b bracketrd		01702	ttmilgres0cl2		4447862314		\$ (99.80)
126	14788601	14788601	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	.	.	01702	lilimax6voip		.		\$ (99.80)
127	17237291	13405463	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	.	.	01702	ttmilagres0cl		0129019033		\$ (99.80)
128	4473096	4473096	Maria Teresa M Neves	ttmilagres@gmail.com	5089043810	5089043810	2B Brackett rd	.	01702	ttstarscliente		5089043810		\$ (149.70)
129	4426442	4425960	Maria T. M. Neves	ttmilagres@gmail.com	5089043810	5089043810	.	.	.	ttclientes5		5089043810		\$ (149.70)
130	10434967	10434967	Maria T. Neves	ttmilagres@gmail.com	5089043810	5089043810	.	.	.	callandsavecl		975842365		\$ (149.70)
131	4425960	4425960	Maria T. M. Neves	ttmilagres@gmail.com	5089043810	5089043810	.	.	.	ttclientes2		5089043810		\$ (149.70)
132	13029217	12913029	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brackett rd	2	01702	ttmilagres02cl		50890438100		\$ (199.60)
133	10715741	10715285	Teresa neves	teresamilagres@hotmail.com	5089043810	5089043810	.	.	.	ttstarscl3		952265326		\$ (199.60)
134	2523888	2523888	Maria Teresa M. Neves	ttmilagres@gmail.com	5089043810	5089043810	2B Brackett rd	2B	01702	ttcliente4		5089043810		\$ (199.60)
135	11247261	11247261	Maria Teresa M Neves	ttmilagres@gmail.com	5089043810	5089043810	.	.	01702	lilimaxcl		952365487		\$ (299.40)
136	18629015	18629015	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brackett rd	2	01702	ttstars0	e99fb769d8bcee3287936bf71335976e	50890438100	1956-09-16	\$ (339.60)
137	29035450	28988768	Maria milagres	ttmilagres@gmail.com	5089043810	5089043810	.	.	01702	conecting3	e99fb769d8bcee3287936bf71335976e	5082451954	1965-12-15	\$ (339.60)
138	28988768	28988768	Maria milagres	ttmilagres@gmail.com	5089043810	5089043810	.	.	01702	conecting2	e99fb769d8bcee3287936bf71335976e	5089023918	1065-12-15	\$ (339.60)
139	280593	280593	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2B Brakett rd	2	01702	calcliente		5089043810		\$ (349.30)
140	10715815	10715815	Teresa neves	teresamilagres@hotmail.com	5089043810	5089043810	.	.	.	ttcliente10		988900317		\$ (349.30)
141	10741745	10715815	Teresa neves	teresamilagres@hotmail.com	5089043810	5089043810	.	.	.	ttcliente11		947147632		\$ (349.30)

142	296413	296413	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2B Brakett rd	2	01702	ttcliente1		5089043811		\$ (349.30)
143	10678285	10678285	Teresa m. Neves	teresamilagres@hotmail.com	5089043810	5089043810	.	.	.	ttstarscl		95086523125		\$ (399.20)
144	10715285	10715285	Teresa neves	teresamilagres@hotmail.com	5089043810	5089043810	..	.	.	ttstarscl1		952365425		\$ (399.20)
145	10715653	10715285	Teresa neves	teresamilagres@hotmail.com	5089043810	5089043810	.	.	.	ttstarscl2		945825628		\$ (399.20)
146	10450919	10450919	Maria T. Neves	ttmilagres@gmail.com	5089043810	5089043810	.	.	.	ttcliente8		975142365		\$ (399.20)
147	10347917	10347917	Maria T. Neves	ttmilagres@gmail.com	5089043810	5089043810	.	.	01702	ttcliente5		321901309		\$ (399.20)
148	10450569	10450569	Maria T. Neves	ttmilagres@gmail.com	5089043810	5089043810	ttmilagres@gmail.com	.	.	ttcliente7		978523643		\$ (449.10)
149	10337975	10337975	Maria T. M. Neves	ttmilagres@gmail.com	5089043810	5089043810	.	.	01702	ttcliente6		950890432		\$ (449.10)
150	132790	132790	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	1630 Worcester rd # 626 C	1630	36570	ttmilagres1	c99fb769d8bcee3287936bf71335976e	5089043810		\$ (677.20)
151	12913483	12913029	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brackett Rd	2	01702	ttmilagres02	c99fb769d8bcee3287936bf71335976e	50890438100	1953-10-15	\$ (1,086.00)
152	8594574	8503060	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	2B Brackett rd	2B	01702	callandsave3	c99fb769d8bcee3287936bf71335976e	950890438	1953-10-15	\$ (1,225.40)
153	8503060	8503060	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	2B Brackett rd	2B	01702	callandsave2	c99fb769d8bcee3287936bf71335976e	012901903	1953-10-15	\$ (1,225.40)
154	190135	190135	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2B Brackett Rd	00000	01702	ttmilagres5	c99fb769d8bcee3287936bf71335976e	5089043810		\$ (1,275.20)
155	8649192	8503060	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	2B Brackett rd	2B	01702	callandsave4	c99fb769d8bcee3287936bf71335976e	950890437	1953-10-15	\$ (1,275.30)
156	198875	190471	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2B Brackett rd	2B	01702	ttmilagres7	c99fb769d8bcee3287936bf71335976e	5089043810		\$ (1,295.20)
157	198981	190471	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2B Brackett rd	2B	01702	ttmilagres8	c99fb769d8bcee3287936bf71335976e	5089043810		\$ (1,305.30)
158	133361	133361	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	1630 Worcester rd # 626 C	626	01702	ttmilagres2	c99fb769d8bcee3287936bf71335976e	5089043810		\$ (1,325.10)
159	8651026	8503060	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	2B Brackett rd	2B	01702	callandsave5	c99fb769d8bcee3287936bf71335976e	950890461	1953-10-15	\$ (1,325.20)
160	1902924	1902924	Maria Neves	mmariashousecleaning@gmail.com	8572367654	8572367654	155 Pleasant st # B9	B9	01752	prosperity2	d310469b4398208a9737689a4ffc204a	57872414954		\$ (1,375.00)
161	181393	181393	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2B Brackett Rd	0000	01702	ttmilagres4	c99fb769d8bcee3287936bf71335976e	5089043810		\$ (1,375.00)
162	8653610	8503060	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	2B Brackett rd	2B	01702	callandsave6	c99fb769d8bcee3287936bf71335976e	950890432	1953-10-15	\$ (1,375.10)
163	11246147	11245137	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2B Brackett rd	2B	01702	lilimax9	ba168c2e6d5fa0cc0b72c48454335a67	0129019033	1953-10-15	\$ (1,375.10)
164	13997415	13997415	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brakett Rd	2	01702	thth	cfd12d74bca9357022eb7d8367bcab26	0129019033	1953-10-15	\$ (1,375.10)
165	16640849	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews66	2ce4b2c3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$ (1,425.00)
166	16642597	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews73	2ce4b2c3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$ (1,425.00)
167	18069855	17946195	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd	bh14qu	galonews175	2ce4b2c3efcc473a6ed2d70b01c4d7e9	4447862314			\$ (1,425.00)
168	16627303	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews30	2ce4b2c3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$ (1,425.00)
169	18053979	17946195	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd	bh14qu	galonews196	2ce4b2c3efcc473a6ed2d70b01c4d7e9	4447862314			\$ (1,425.00)
170	16640913	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews67	2ce4b2c3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$ (1,425.00)
171	14787889	14787633	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2B Brackett Rd.	2	01702	lilimax27	ba168c2e6d5fa0cc0b72c48454335a67	012901900	1953-10-15	\$ (1,425.00)
172	14790219	14787633	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2B Brackett Rd.	2	01702	lilimax33	ba168c2e6d5fa0cc0b72c48454335a67	012901900	1953-10-15	\$ (1,425.00)
173	16644599	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews79	2ce4b2c3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$ (1,425.00)
174	14787633	14787633	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2B Brackett Rd.	2	01702	lilimax25	ba168c2e6d5fa0cc0b72c48454335a67	012901900	1953-10-15	\$ (1,425.00)
175	16642681	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews74	2ce4b2c3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$ (1,425.00)
176	16644435	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews78	2ce4b2c3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$ (1,425.00)
177	16640991	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews68	2ce4b2c3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$ (1,425.00)
178	16642753	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews75	2ce4b2c3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$ (1,425.00)
179	16224593	16224593	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B brackett rd	.	01702	thth29	cfd12d74bca9357022eb7d8367bcab26	0129019033	1953-10-15	\$ (1,425.00)
180	16645827	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews80	2ce4b2c3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$ (1,425.00)
181	16626439	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews23	2ce4b2c3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$ (1,425.00)
182	16630641	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews38	2ce4b2c3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$ (1,425.00)
183	16630403	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews36	2ce4b2c3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$ (1,425.00)
184	16630273	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews35	2ce4b2c3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$ (1,425.00)
185	16629427	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews34	2ce4b2c3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$ (1,425.00)
186	16629357	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews33	2ce4b2c3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$ (1,425.00)
187	16640621	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews64	2ce4b2c3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$ (1,425.00)
188	16642847	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews76	2ce4b2c3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$ (1,425.00)
189	16638957	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews56	2ce4b2c3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$ (1,425.00)
190	16639135	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews57	2ce4b2c3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$ (1,425.00)



191	16639317	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews59	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$	(1,425.00)
192	16639225	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews58	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$	(1,425.00)
193	16634075	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews49	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$	(1,425.00)
194	16640555	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews63	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$	(1,425.00)
195	16640493	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	..	01702	galonews62	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$	(1,425.00)
196	16640425	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews61	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$	(1,425.00)
197	16639397	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews60	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$	(1,425.00)
198	16638775	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews55	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$	(1,425.00)
199	16638679	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews54	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$	(1,425.00)
200	16630567	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews37	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$	(1,425.00)
201	16631457	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews39	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$	(1,425.00)
202	18053585	17946195	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd		bh14qu	galonews193	2ce4b2e3efcc473a6ed2d70b01c4d7e9	4447862314	1953-10-15	\$	(1,425.00)
203	16631555	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews40	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$	(1,425.00)
204	18049761	17946195	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd		bh14qu	galonews163	2ce4b2e3efcc473a6ed2d70b01c4d7e9	4447862314	1953-10-15	\$	(1,425.00)
205	18070019	17946195	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd		bh14qu	galonews176	2ce4b2e3efcc473a6ed2d70b01c4d7e9	4447862314		\$	(1,425.00)
206	18070913	17946195	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd		bh14qu	galonews180	2ce4b2e3efcc473a6ed2d70b01c4d7e9	4447862314		\$	(1,425.00)
207	16626509	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews24	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$	(1,425.00)
208	16621589	16621589	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brackett rd	.	01702	galonews07	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$	(1,425.00)
209	16625989	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews22	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$	(1,425.00)
210	14005767	13997415	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brackett Rd	2	01702	thth9	cfid12d74bca9357022eb7d8367beab26	0129019033	1953-10-15	\$	(1,425.00)
211	16625875	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews21	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$	(1,425.00)
212	16634831	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews52	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$	(1,425.00)
213	16634433	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews51	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$	(1,425.00)
214	16634311	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews50	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$	(1,425.00)
215	16640765	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews65	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$	(1,425.00)
216	16632323	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews46	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$	(1,425.00)
217	16632151	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews44	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$	(1,425.00)
218	16632081	16621589	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brackett rd	.	01702	galonews43	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$	(1,425.00)
219	16631769	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews42	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$	(1,425.00)
220	16631679	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews41	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$	(1,425.00)
221	16642367	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews72	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$	(1,425.00)
222	14793097	14787633	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2B Brackett Rd.	2	01702	lilimax41	ba168c2e6d5fa0cc0b72c48454335a67	012901900	1953-10-15	\$	(1,425.00)
223	14791613	14787633	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2B Brackett Rd.	2	01702	lilimax37	ba168c2e6d5fa0cc0b72c48454335a67	012901900	1953-10-15	\$	(1,425.00)
224	16646549	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews82	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$	(1,425.00)
225	16782407	16773575	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	02 b Brackett Rd		01702	galonews108	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019034	1953-10-15	\$	(1,425.00)
226	16782041	16773575	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	02 b Brackett Rd		01702	galonews107	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019034	1953-10-15	\$	(1,425.00)
227	16919369	16773575	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	02 b Brackett Rd		01702	galonews128	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019034	1953-10-15	\$	(1,425.00)
228	16778925	16773575	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	02 b Brackett Rd		01702	galonews115	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019034	1953-10-15	\$	(1,425.00)
229	16776937	16773575	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	02 b Brackett Rd		01702	galonews113	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019034	1953-10-15	\$	(1,425.00)
230	16782593	16773575	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	02 b Brackett Rd		01702	galonews110	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019034	1953-10-15	\$	(1,425.00)
231	16781959	16773575	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	02 b Brackett Rd		01702	galonews106	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019034	1953-10-15	\$	(1,425.00)
232	16780961	16773575	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	02 b Brackett Rd		01702	galonews105	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019034	1953-10-15	\$	(1,425.00)
233	8657066	8503060	Maria Teresa Neves	ttmilagres@gmail.com	95089043810	5089043810	2B Brackett rd	2B	01702	callandsave8	c99bf769d8bce3287936bf71335976e	950890432	1953-10-15	\$	(1,425.00)
234	16919563	16773575	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	02 b Brackett Rd		01702	galonews131	8f1aed01410875d49cb2e6f6c48db787	0129019034	1953-10-15	\$	(1,425.00)
235	16919493	16773575	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	02 b Brackett Rd		01702	galonews130	8f1aed01410875d49cb2e6f6c48db787	0129019034	1953-10-15	\$	(1,425.00)
236	16919423	16773575	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	02 b Brackett Rd		01702	galonews129	8f1aed01410875d49cb2e6f6c48db787	0129019034	1953-10-15	\$	(1,425.00)
237	16774669	16773575	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	02 b Brackett Rd		01702	galonews125	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019034	1953-10-15	\$	(1,425.00)
238	16774267	16773575	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	02 b Brackett Rd		01702	galonews120	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019034	1953-10-15	\$	(1,425.00)
239	16776853	16773575	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	02 b Brackett Rd		01702	galonews112	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019034	1953-10-15	\$	(1,425.00)

240	16782511	16773575	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	02 b Brackett Rd		01702	galonews109	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019034	1953-10-15	\$ (1,425.00)
241	16919151	16773575	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	02 b Brackett Rd		01702	galonews127	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019034	1953-10-15	\$ (1,425.00)
242	16782635	16773575	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	02 b Brackett Rd		01702	galonews111	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019034	1953-10-15	\$ (1,425.00)
243	17967281	17962023	maria neves	ttmilagres@gmail.com	5089043810	5089043810	268 a windaham rd	268	bh14qu	galonews185	81dc9bdb52d04dc20036dbd8313ed055	4447862314	1953-10-15	\$ (1,425.00)
244	17968095	17962023	maria neves	ttmilagres@gmail.com	5089043810	5089043810	268 a windaham rd	268	bh14qu	galonews186	81dc9bdb52d04dc20036dbd8313ed055	4447862314	1953-10-15	\$ (1,425.00)
245	17969093	17962023	maria neves	ttmilagres@gmail.com	5089043810	5089043810	268 a windaham rd	268	bh14qu	galonews188	81dc9bdb52d04dc20036dbd8313ed055	4447862314	1953-10-15	\$ (1,425.00)
246	17968609	17962023	maria neves	ttmilagres@gmail.com	5089043810	5089043810	268 a windaham rd	268	bh14qu	galonews187	81dc9bdb52d04dc20036dbd8313ed055	4447862314	1953-10-15	\$ (1,425.00)
247	17969533	17962023	maria neves	ttmilagres@gmail.com	5089043810	5089043810	268 a windaham rd	268	bh14qu	galonews189	81dc9bdb52d04dc20036dbd8313ed055	4447862314	1953-10-15	\$ (1,425.00)
248	17962023	17962023	maria neves	ttmilagres@gmail.com	5089043810	5089043810	268 a windaham rd	268	bh14qu	galonews183	81dc9bdb52d04dc20036dbd8313ed055	4447862314	1953-10-15	\$ (1,425.00)
249	11245307	11245307	Mara Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2B Brackett rd	2	01702	lilimax4	ba168c2e6d5fa0cc0b72c48454335a67	0129019033	1953-10-15	\$ (1,425.00)
250	17969923	17962023	maria neves	ttmilagres@gmail.com	5089043810	5089043810	268 a windaham rd	268	bh14qu	galonews190	81dc9bdb52d04dc20036dbd8313ed055	4447862314	1953-10-15	\$ (1,425.00)
251	16774561	16773575	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	02 b Brackett Rd		01702	galonews123	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019034	1953-10-15	\$ (1,425.00)
252	17965087	17962023	maria neves	ttmilagres@gmail.com	5089043810	5089043810	268 a windaham rd	268	bh14qu	galonews182	81dc9bdb52d04dc20036dbd8313ed055	4447862314	1953-10-15	\$ (1,425.00)
253	4467402	4467402	maria Teresa Milagres neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett rd	2b	01702	ttnews	c99fb769d8bccc3287936bf71335976e	5089043800	1953-10-15	\$ (1,425.00)
254	16632537	16632537	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews47	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$ (1,425.00)
255	11599085	11599085	Maria Teresa m Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett rd	2	01702	ttnews26	88bfc20129245733083b323ad88845a	5089041038	1953-10-15	\$ (1,425.00)
256	16619321	16619097	Maria Teresa m Neves	ttmilagres@gmail.com	5089043810	5089043810	2b brackett rd,	2	01702	galonews6	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$ (1,425.00)
257	16619097	16619097	Maria Teresa m Neves	ttmilagres@gmail.com	5089043810	5089043810	2b brackett rd,	2	01702	galonews5	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$ (1,425.00)
258	16774625	16773575	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	02 b Brackett Rd		01702	galonews124	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019034	1953-10-15	\$ (1,425.00)
259	16779121	16773575	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	02 b Brackett Rd		01702	galonews117	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019034	1953-10-15	\$ (1,425.00)
260	16779195	16773575	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	02 b Brackett Rd		01702	galonews118	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019034	1953-10-15	\$ (1,425.00)
261	16626707	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews26	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$ (1,425.00)
262	16642203	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews71	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$ (1,425.00)
263	8657580	8503060	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	2B Brackett rd	2B	01702	callandsave9	c99fb769d8bccc3287936bf71335976e	950890432	1953-10-15	\$ (1,425.00)
264	12913029	12913029	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brackett Rd	2	01702	ttmilagre	c99fb769d8bccc3287936bf71335976e	50890438100	1953-10-15	\$ (1,425.00)
265	11244775	11244775	Maria Teresa Milagres neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brackett rd	.	01702	lilimax1	ba168c2e6d5fa0cc0b72c48454335a67	0129019033	1953-10-15	\$ (1,425.00)
266	16622845	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews15	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$ (1,425.00)
267	16626593	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews25	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$ (1,425.00)
268	16628873	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews32	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$ (1,425.00)
269	16919619	16773575	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	02 b Brackett Rd		01702	galonews132	8f1aed01410875d49cb2c6f6c48db787	0129019034	1953-10-15	\$ (1,425.00)
270	16646463	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews81	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$ (1,425.00)
271	16647067	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews83	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$ (1,425.00)
272	16646723	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews84	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$ (1,425.00)
273	18070767	17946195	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd		bh14qu	galonews179	2ce4b2e3efcc473a6ed2d70b01c4d7e9	4447862314		\$ (1,425.00)
274	16642069	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews69	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$ (1,425.00)
275	16642125	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews70	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$ (1,425.00)
276	8656054	8503060	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	2B Brackett rd	2B	01702	callandsave7	c99fb769d8bccc3287936bf71335976e	950890432	1953-10-15	\$ (1,425.00)
277	16779081	16773575	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	02 b Brackett Rd		01702	galonews116	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019034	1953-10-15	\$ (1,425.00)
278	16779243	16773575	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	02 b Brackett Rd		01702	galonews119	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019034	1953-10-15	\$ (1,425.00)
279	12972683	12913029	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brackett Rd	2	01702	ttmilagres03	c99fb769d8bccc3287936bf71335976e	50890438100	1953-10-15	\$ (1,425.00)
280	16774465	16773575	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	02 b Brackett Rd		01702	galonews122	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019034	1953-10-15	\$ (1,425.00)
281	16780933	16773575	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	02 b Brackett Rd		01702	galonews104	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019034	1953-10-15	\$ (1,425.00)
282	16778859	16773575	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	02 b Brackett Rd		01702	galonews114	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019034	1953-10-15	\$ (1,425.00)
283	16774345	16773575	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	02 b Brackett Rd		01702	galonews121	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019034	1953-10-15	\$ (1,425.00)
284	12972911	12972911	Maria Teresa Neves	ttmilagres@gmail.com	50890438100	50890438100	2 B Brackett rd	2	01702	ttmilagres04	c99fb769d8bccc3287936bf71335976e	50890438100	1953-10-15	\$ (1,425.00)
285	16919105	16773575	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	02 b Brackett Rd		01702	galonews126	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019034	1953-10-15	\$ (1,425.00)
286	16920413	16773575	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	02 b Brackett Rd		01702	galonews139	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019034	1953-10-15	\$ (1,425.00)
287	8658008	8503060	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	2B Brackett rd	2B	01702	callandsave10	c99fb769d8bccc3287936bf71335976e	950890432	1953-10-15	\$ (1,425.00)
288	16920343	16773575	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	02 b Brackett Rd		01702	galonews138	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019034	1953-10-15	\$ (1,425.00)

289	16920287	16773575	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	02 b Brackett Rd		01702	galonews137	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019034	1953-10-15	\$	(1,425.00)
290	16920249	16773575	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	02 b Brackett Rd		01702	galonews136	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019034	1953-10-15	\$	(1,425.00)
291	16920191	16773575	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	02 b Brackett Rd		01702	galonews135	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019034	1953-10-15	\$	(1,425.00)
292	16920141	16773575	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	02 b Brackett Rd		01702	galonews134	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019034	1953-10-15	\$	(1,425.00)
293	16919873	16773575	Maria Teresa Neves	ttmilagres@gmail.com	5089043810	5089043810	02 b Brackett Rd		01702	galonews133	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019034	1953-10-15	\$	(1,425.00)
294	16621755	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews08	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$	(1,425.00)
295	11458817	11458613	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2B Brackett rd	.	01702	ttnews19	cfd12d74bca9357022eb7d8367bcab26	5089041038	1953-10-15	\$	(1,425.00)
296	16644345	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd		01702	galonews77	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$	(1,425.00)
297	16622023	16621755	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.....	01702	galonews10	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$	(1,425.00)
298	17951611	17946195	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd		bh14qu	galonews142	2ce4b2e3efcc473a6ed2d70b01c4d7e9	4447862314	1953-10-15	\$	(1,425.00)
299	14007419	14007419	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett rd	2	01702	thth15	cfd12d74bca9357022eb7d8367bcab26	0129019033	1953-10-15	\$	(1,425.00)
300	14006589	14006539	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brakett Rd	.	01702	thth14	cfd12d74bca9357022eb7d8367bcab26	0129019033	1953-10-15	\$	(1,425.00)
301	17955709	17946195	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd		bh14qu	galonews143	2ce4b2e3efcc473a6ed2d70b01c4d7e9	4447862314	1953-10-13	\$	(1,425.00)
302	18042489	17946195	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd		bh14qu	galonews154	2ce4b2e3efcc473a6ed2d70b01c4d7e9	4447862314	1953-10-15	\$	(1,425.00)
303	17956685	17946195	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd		bh14qu	galonews144	2ce4b2e3efcc473a6ed2d70b01c4d7e9	4447862314	1953-10-13	\$	(1,425.00)
304	18051837	17946195	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd		bh14qu	galonews184	2ce4b2e3efcc473a6ed2d70b01c4d7e9	4447862314	1953-10-15	\$	(1,425.00)
305	17963637	17946195	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd		bh14qu	galonews146	2ce4b2e3efcc473a6ed2d70b01c4d7e9	4447862314	1953-10-15	\$	(1,425.00)
306	17963863	17946195	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd		bh14qu	galonews147	2ce4b2e3efcc473a6ed2d70b01c4d7e9	4447862314	1953-10-15	\$	(1,425.00)
307	17967931	17946195	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd		bh14qu	galonews148	2ce4b2e3efcc473a6ed2d70b01c4d7e9	4447862314	1953-10-15	\$	(1,425.00)
308	18041747	17946195	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd		bh14qu	galonews149	2ce4b2e3efcc473a6ed2d70b01c4d7e9	4447862314	1953-10-15	\$	(1,425.00)
309	14056517	14006539	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brakett Rd	.	01702	thth20	cfd12d74bca9357022eb7d8367bcab26	0129019033	1953-10-15	\$	(1,425.00)
310	14056323	14006539	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brakett Rd	.	01702	thth17	cfd12d74bca9357022eb7d8367bcab26	0129019033	1953-10-15	\$	(1,425.00)
311	18053875	17946195	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd		bh14qu	galonews195	2ce4b2e3efcc473a6ed2d70b01c4d7e9	4447862314	1953-10-15	\$	(1,425.00)
312	18070545	17946195	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd		bh14qu	galonews178	2ce4b2e3efcc473a6ed2d70b01c4d7e9	4447862314		\$	(1,425.00)
313	16708453	16708453	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brakett Rd	.	01702	galonews88	2ce4b2e3efcc473a6ed2d70b01c4d7e9	0129019034	1953-10-15	\$	(1,425.00)
314	14787753	14787633	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2B Brackett Rd.	2	01702	lilimax26	ba168c2e6d5fa0cc0b72c48454335a67	012901900	1953-10-15	\$	(1,425.00)
315	18067585	17946195	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd		bh14qu	galonews174	2ce4b2e3efcc473a6ed2d70b01c4d7e9	4447862314	1953-10-15	\$	(1,425.00)
316	18067483	17946195	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd		bh14qu	galonews173	2ce4b2e3efcc473a6ed2d70b01c4d7e9	4447862314	1953-10-15	\$	(1,425.00)
317	17946195	17946195	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd		bh14qu	galonews141	81dc9bdb52d04dc20036dbd8313ed055	4447862314	1953-10-15	\$	(1,425.00)
318	18042023	17946195	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd		bh14qu	galonews151	2ce4b2e3efcc473a6ed2d70b01c4d7e9	4447862314	1953-10-15	\$	(1,425.00)
319	18045529	17946195	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd		bh14qu	galonews159	2ce4b2e3efcc473a6ed2d70b01c4d7e9	4447862314	1953-10-15	\$	(1,425.00)
320	14006037	13997415	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brakett Rd	2	01702	thth11	cfd12d74bca9357022eb7d8367bcab26	0129019033	1953-10-15	\$	(1,425.00)
321	13833805	13833805	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2B Brackett Rd	2B	01702	telexusaeworld1	bb50b2c078929bd053d47b7103fa4f91	0129019033	1953-10-15	\$	(1,425.00)
322	14003525	13997415	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brakett Rd	2	01702	thth8	cfd12d74bca9357022eb7d8367bcab26	0129019033	1953-10-15	\$	(1,425.00)
323	14056541	14006539	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brakett Rd	.	01702	thth21	cfd12d74bca9357022eb7d8367bcab26	0129019033	1953-10-15	\$	(1,425.00)
324	16225057	16224593	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B brackett rd		01702	thth34	cfd12d74bca9357022eb7d8367bcab26	0129019033	1953-10-15	\$	(1,425.00)
325	14006539	14006539	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brakett Rd	.	01702	thth13	cfd12d74bca9357022eb7d8367bcab26	0129019033	1953-10-15	\$	(1,425.00)
326	14786847	14786847	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2B Brackett rd	2 B	01702	lilimax23	ba168c2e6d5fa0cc0b72c48454335a67	012901900	1953-10-15	\$	(1,425.00)
327	14056475	14006539	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brakett Rd	.	01702	thth19	cfd12d74bca9357022eb7d8367bcab26	0129019033	1953-10-15	\$	(1,425.00)
328	16225129	16224593	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B brackett rd		01702	thth35	cfd12d74bca9357022eb7d8367bcab26	0129019033	1953-10-15	\$	(1,425.00)
329	14056719	14006539	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brakett Rd	.	01702	thth24	cfd12d74bca9357022eb7d8367bcab26	0129019033	1953-10-15	\$	(1,425.00)
330	18044849	17946195	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd		bh14qu	galonews155	2ce4b2e3efcc473a6ed2d70b01c4d7e9	4447862314	1953-10-15	\$	(1,425.00)
331	14056827	14006539	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brakett Rd	.	01702	thth27	cfd12d74bca9357022eb7d8367bcab26	0129019033	1953-10-15	\$	(1,425.00)
332	14056683	14006539	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brakett Rd	.	01702	thth23	cfd12d74bca9357022eb7d8367bcab26	0129019033	1953-10-15	\$	(1,425.00)
333	14056937	14006539	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brakett Rd	.	01702	thth28	cfd12d74bca9357022eb7d8367bcab26	0129019033	1953-10-15	\$	(1,425.00)
334	14056599	14006539	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brakett Rd	.	01702	thth22	cfd12d74bca9357022eb7d8367bcab26	0129019033	1953-10-15	\$	(1,425.00)
335	16225021	16224593	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brackett rd		01702	thth33	cfd12d74bca9357022eb7d8367bcab26	0129019033	1953-10-15	\$	(1,425.00)
336	14006247	13997415	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brakett Rd	2	01702	thth12	cfd12d74bca9357022eb7d8367bcab26	0129019033	1953-10-15	\$	(1,425.00)
337	18062923	17946195	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd		bh14qu	galonews165	2ce4b2e3efcc473a6ed2d70b01c4d7e9	4447862314	1953-10-15	\$	(1,425.00)

338	14007511	14007419	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett rd	2	01702	thth16	cfid12d74bca9357022eb7d8367bcab26	0129019033	1953-10-15	\$ (1,425.00)	
339	18067375	17946195	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd			bh14qu	galonews172	2ce4b2c3efcc473a6ed2d70b01c4d7e9	4447862314	1953-10-15	\$ (1,425.00)
340	18067073	17946195	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd			bh14qu	galonews171	2ce4b2c3efcc473a6ed2d70b01c4d7e9	4447862314	1953-10-15	\$ (1,425.00)
341	18065865	17946195	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd			bh14qu	galonews170	2ce4b2c3efcc473a6ed2d70b01c4d7e9	4447862314	1953-10-15	\$ (1,425.00)
342	18042375	17946195	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd			bh14qu	galonews153	2ce4b2c3efcc473a6ed2d70b01c4d7e9	4447862314	1953-10-15	\$ (1,425.00)
343	14790893	14789917	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2B Brackett rd	2	01702	lilimax34	ba168c2e6d5fa0cc0b72c48454335a67	012901900	1953-10-15	\$ (1,425.00)	
344	18045005	17946195	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd			bh14qu	galonews156	2ce4b2c3efcc473a6ed2d70b01c4d7e9	4447862314	1953-10-15	\$ (1,425.00)
345	18045111	17946195	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd			bh14qu	galonews157	2ce4b2c3efcc473a6ed2d70b01c4d7e9	4447862314	1953-10-15	\$ (1,425.00)
346	18049887	17946195	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd			bh14qu	galonews164	2ce4b2c3efcc473a6ed2d70b01c4d7e9	4447862314	1953-10-15	\$ (1,425.00)
347	18049635	17946195	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd			bh14qu	galonews162	2ce4b2c3efcc473a6ed2d70b01c4d7e9	4447862314	1953-10-15	\$ (1,425.00)
348	18049463	17946195	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd			bh14qu	galonews161	2ce4b2c3efcc473a6ed2d70b01c4d7e9	4447862314	1953-10-15	\$ (1,425.00)
349	14790053	14789917	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2B Brackett rd	2	01702	lilimax32	ba168c2e6d5fa0cc0b72c48454335a67	012901900	1953-10-15	\$ (1,425.00)	
350	18045631	17946195	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd			bh14qu	galonews160	2ce4b2c3efcc473a6ed2d70b01c4d7e9	4447862314	1953-10-15	\$ (1,425.00)
351	18045279	17946195	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd			bh14qu	galonews158	2ce4b2c3efcc473a6ed2d70b01c4d7e9	4447862314	1953-10-15	\$ (1,425.00)
352	16732631	16708453	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brakett Rd	.	01702	galonews96	2ce4b2c3efcc473a6ed2d70b01c4d7e9	0129019034	1953-10-15	\$ (1,425.00)	
353	14789975	14787633	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2B Brackett Rd.	2	01702	lilimax31	ba168c2e6d5fa0cc0b72c48454335a67	012901900	1953-10-15	\$ (1,425.00)	
354	14789917	14789917	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2B Brackett rd	2	01702	lilimax30	ba168c2e6d5fa0cc0b72c48454335a67	012901900	1953-10-15	\$ (1,425.00)	
355	16732683	16708453	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brakett Rd	.	01702	galonews97	2ce4b2c3efcc473a6ed2d70b01c4d7e9	0129019034	1953-10-15	\$ (1,425.00)	
356	14789165	14787633	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2B Brackett Rd.	2	01702	lilimax29	ba168c2e6d5fa0cc0b72c48454335a67	012901900	1953-10-15	\$ (1,425.00)	
357	14789003	14789003	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2B Brackett Rd.	2 B	01702	lilimax28	ba168c2e6d5fa0cc0b72c48454335a67	012901900	1953-10-15	\$ (1,425.00)	
358	14791763	14787633	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2B Brackett Rd.	2	01702	lilimax39	ba168c2e6d5fa0cc0b72c48454335a67	012901900	1953-10-15	\$ (1,425.00)	
359	16224641	16224593	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B brackett rd		01702	thth30	cfid12d74bca9357022eb7d8367bcab26	0129019033	1953-10-15	\$ (1,425.00)	
360	18064021	17946195	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd			bh14qu	galonews167	2ce4b2c3efcc473a6ed2d70b01c4d7e9	4447862314	1953-10-15	\$ (1,425.00)
361	14790991	14787633	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2B Brackett Rd.	2	01702	lilimax35	ba168c2e6d5fa0cc0b72c48454335a67	012901900	1953-10-15	\$ (1,425.00)	
362	16708565	16708453	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brakett Rd	.	01702	galonews89	2ce4b2c3efcc473a6ed2d70b01c4d7e9	0129019034	1953-10-15	\$ (1,425.00)	
363	18064249	17946195	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd			bh14qu	galonews169	2ce4b2c3efcc473a6ed2d70b01c4d7e9	4447862314	1953-10-15	\$ (1,425.00)
364	14793319	14787633	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2B Brackett Rd.	2	01702	lilimax43	ba168c2e6d5fa0cc0b72c48454335a67	012901900	1953-10-15	\$ (1,425.00)	
365	18064147	17946195	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd			bh14qu	galonews168	2ce4b2c3efcc473a6ed2d70b01c4d7e9	4447862314	1953-10-15	\$ (1,425.00)
366	18053331	17946195	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd			bh14qu	galonews192	2ce4b2c3efcc473a6ed2d70b01c4d7e9	4447862314	1953-10-15	\$ (1,425.00)
367	18051957	17946195	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd			bh14qu	galonews181	2ce4b2c3efcc473a6ed2d70b01c4d7e9	4447862314	1953-10-15	\$ (1,425.00)
368	18041863	17946195	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd			bh14qu	galonews150	2ce4b2c3efcc473a6ed2d70b01c4d7e9	4447862314	1953-10-15	\$ (1,425.00)
369	18042185	17946195	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd			bh14qu	galonews152	2ce4b2c3efcc473a6ed2d70b01c4d7e9	4447862314	1953-10-15	\$ (1,425.00)
370	18063861	17946195	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd			bh14qu	galonews166	2ce4b2c3efcc473a6ed2d70b01c4d7e9	4447862314	1953-10-15	\$ (1,425.00)
371	16734193	16708453	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brakett Rd	.	01702	galonews98	2ce4b2c3efcc473a6ed2d70b01c4d7e9	0129019034	1953-10-15	\$ (1,425.00)	
372	14005989	13997415	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brakett Rd	2	01702	thth10	cfid12d74bca9357022eb7d8367bcab26	0129019033	1953-10-15	\$ (1,425.00)	
373	18061061	17946195	Maria Neves	ttmilagres@gmail.com	4447862314	4447862314	268 windham rd			bh14qu	galonews0191	2ce4b2c3efcc473a6ed2d70b01c4d7e9	4447862314	1953-10-15	\$ (1,425.00)
374	16734953	16708453	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brakett Rd	.	01702	galonews101	2ce4b2c3efcc473a6ed2d70b01c4d7e9	0129019034	1953-10-15	\$ (1,425.00)	
375	16225177	16224593	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B brackett rd		01702	thth36	cfid12d74bca9357022eb7d8367bcab26	0129019033	1953-10-15	\$ (1,425.00)	
376	14792977	14789917	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2B Brackett rd	2	01702	lilimax40	ba168c2e6d5fa0cc0b72c48454335a67	012901900	1953-10-15	\$ (1,425.00)	
377	14791705	14789917	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2B Brackett rd	2	01702	lilimax38	ba168c2e6d5fa0cc0b72c48454335a67	012901900	1953-10-15	\$ (1,425.00)	
378	16734277	16708453	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brakett Rd	.	01702	galonews99	2ce4b2c3efcc473a6ed2d70b01c4d7e9	0129019034	1953-10-15	\$ (1,425.00)	
379	14791539	14787633	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2B Brackett Rd.	2	01702	lilimax36	ba168c2e6d5fa0cc0b72c48454335a67	012901900	1953-10-15	\$ (1,425.00)	
380	16734349	16708453	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brakett Rd	.	01702	galonews100	2ce4b2c3efcc473a6ed2d70b01c4d7e9	0129019034	1953-10-15	\$ (1,425.00)	
381	16734471	16708453	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brakett Rd	.	01702	galonews102	2ce4b2c3efcc473a6ed2d70b01c4d7e9	0129019034	1953-10-15	\$ (1,425.00)	
382	16734537	16708453	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brakett Rd	.	01702	galonews103	2ce4b2c3efcc473a6ed2d70b01c4d7e9	0129019034	1953-10-15	\$ (1,425.00)	
383	13998753	13997415	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brakett Rd	2	01702	thth6	cfid12d74bca9357022eb7d8367bcab26	0129019033	1953-10-15	\$ (1,425.00)	
384	14003267	13997415	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brakett Rd	2	01702	thth7	cfid12d74bca9357022eb7d8367bcab26	0129019033	1953-10-15	\$ (1,425.00)	
385	13998693	13997415	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brakett Rd	2	01702	thth5	cfid12d74bca9357022eb7d8367bcab26	0129019033	1953-10-15	\$ (1,425.00)	
386	11245531	11245531	Maria Teresa Milagres Neves	ttmilagres@gmail.com	50890438105	5089043810	2B Brackett rd	2B	01702	lilimax6	ba168c2e6d5fa0cc0b72c48454335a67	0129019033	1953-10-15	\$ (1,425.00)	

387	11458835	11458613	Maria Teresa Milagres Neves	tmilagres@gmail.com	5089043810	5089043810	2B Brackett rd	.	01702	ttnews20	cfd12d74bca9357022eb7d8367bcab26	5089041038	1953-10-15	\$ (1,425.00)
388	11458871	11458613	Maria Teresa Milagres Neves	tmilagres@gmail.com	5089043810	5089043810	2B Brackett rd	.	01702	ttnews21	cfd12d74bca9357022eb7d8367bcab26	5089041038	1953-10-15	\$ (1,425.00)
389	11458917	11458613	Maria Teresa Milagres Neves	tmilagres@gmail.com	5089043810	5089043810	2B Brackett rd	.	01702	ttnews22	cfd12d74bca9357022eb7d8367bcab26	5089041038	1953-10-15	\$ (1,425.00)
390	11458933	11458613	Maria Teresa Milagres Neves	tmilagres@gmail.com	5089043810	5089043810	2B Brackett rd	.	01702	ttnews23	cfd12d74bca9357022eb7d8367bcab26	5089041038	1953-10-15	\$ (1,425.00)
391	11458953	11458613	Maria Teresa Milagres Neves	tmilagres@gmail.com	5089043810	5089043810	2B Brackett rd	.	01702	ttnews24	cfd12d74bca9357022eb7d8367bcab26	5089041038	1953-10-15	\$ (1,425.00)
392	11459027	11458613	Maria Teresa Milagres Neves	tmilagres@gmail.com	5089043810	5089043810	2B Brackett rd	.	01702	ttnews25	cfd12d74bca9357022eb7d8367bcab26	5089041038	1953-10-15	\$ (1,425.00)
393	18070263	17946195	Maria Neves	tmilagres@gmail.com	4447862314	4447862314	268 windham rd	.	bh14qu	galonews177	2ce4b2c3efcc473a6ed2d70b01c4d7e9	4447862314		\$ (1,425.00)
394	11245415	11245137	Maria Teresa Milagres Neves	tmilagres@gmail.com	5089043810	5089043810	2B Brackett rd	2B	01702	lilimax5	ba168c2e6d5fa0cc0b72c48454335a67	0129019033	1953-10-15	\$ (1,425.00)
395	11866855	11866855	Maria Teresa Milagres Neves	hbmaltaro@gmail.com	5089043810	5089043810	2B Brackett rd	2B	01702	ttnews31	cfd12d74bca9357022eb7d8367bcab26	5089041038	1953-10-15	\$ (1,425.00)
396	11246255	11245137	Maria Teresa Milagres Neves	tmilagres@gmail.com	5089043810	5089043810	2B Brackett rd	2B	01702	lilimax10	ba168c2e6d5fa0cc0b72c48454335a67	0129019033	1953-10-15	\$ (1,425.00)
397	2239822	2239822	Maria Teresa Milagres Neves	teresamilagres@hotmail.com	5089043810	5089043810	2B Brackett rd	2	01702	ttneves	c25a4a343798d77ac374ce056e3649b	5089043811	1953-10-15	\$ (1,425.00)
398	18053751	17946195	Maria Neves	tmilagres@gmail.com	4447862314	4447862314	268 windham rd	.	bh14qu	galonews194	2ce4b2c3efcc473a6ed2d70b01c4d7e9	4447862314	1953-10-15	\$ (1,425.00)
399	16224667	16224593	Maria Neves	tmilagres@gmail.com	5089043810	5089043810	2 B brackett rd	.	01702	thth31	cfd12d74bca9357022eb7d8367bcab26	0129019033	1953-10-15	\$ (1,425.00)
400	11867071	11866855	Maria Teresa Milagres Neves	hbmaltaro@gmail.com	5089043810	5089043810	2B Brackett rd	2B	01702	ttnews33	cfd12d74bca9357022eb7d8367bcab26	5089041038	1953-10-15	\$ (1,425.00)
401	14793225	14787633	Maria Neves	tmilagres@gmail.com	5089043810	5089043810	2B Brackett Rd.	2	01702	lilimax42	ba168c2e6d5fa0cc0b72c48454335a67	012901900	1953-10-15	\$ (1,425.00)
402	15143621	15143621	Maria Neves	tmilagres@gmail.com	5089043810	5089043810	2 B Brakett Rd	2	01702	tmilagres07	9e4c97a7933a162ccc44b7beb298ace6	0129019033	1953-10-15	\$ (1,425.00)
403	11867017	11866855	Maria Teresa Milagres Neves	hbmaltaro@gmail.com	5089043810	5089043810	2B Brackett rd	2B	01702	ttnews32	cfd12d74bca9357022eb7d8367bcab26	5089041038	1953-10-15	\$ (1,425.00)
404	8502674	235817	Maria Teresa Milagres Neves	tmilagres@gmail.com	5089043810	5089043810	2B Brackett rd	2B	01702	callandsave1	1139841c9dede68a9d851bfbc512a4bd	012901903	1953-10-15	\$ (1,425.00)
405	11458767	11458613	Maria Teresa Milagres Neves	tmilagres@gmail.com	5089043810	5089043810	2B Brackett rd	.	01702	ttnews18	cfd12d74bca9357022eb7d8367bcab26	5089041038	1953-10-15	\$ (1,425.00)
406	11458747	11458613	Maria Teresa Milagres Neves	tmilagres@gmail.com	5089043810	5089043810	2B Brackett rd	.	01702	ttnews17	cfd12d74bca9357022eb7d8367bcab26	5089041038	1953-10-15	\$ (1,425.00)
407	13998527	13997415	Maria Neves	tmilagres@gmail.com	5089043810	5089043810	2 B Brakett Rd	2	01702	thth4	cfd12d74bca9357022eb7d8367bcab26	0129019033	1953-10-15	\$ (1,425.00)
408	16622975	16621755	Maria Teresa Milagres Neves	tmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews16	2ce4b2c3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$ (1,425.00)
409	16623059	16621755	Maria Teresa Milagres Neves	tmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews17	2ce4b2c3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$ (1,425.00)
410	16622131	16621755	Maria Teresa Milagres Neves	tmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews11	2ce4b2c3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$ (1,425.00)
411	16622269	16621589	Maria Teresa Milagres Neves	tmilagres@gmail.com	5089043810	5089043810	2 B brackett rd	.	01702	galonews12	2ce4b2c3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$ (1,425.00)
412	16622641	16621755	Maria Teresa Milagres Neves	tmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews13	2ce4b2c3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$ (1,425.00)
413	16626895	16621755	Maria Teresa Milagres Neves	tmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews27	2ce4b2c3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$ (1,425.00)
414	16627189	16621755	Maria Teresa Milagres Neves	tmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews29	2ce4b2c3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$ (1,425.00)
415	16627073	16621589	Maria Teresa Milagres Neves	tmilagres@gmail.com	5089043810	5089043810	2 B brackett rd	.	01702	galonews28	2ce4b2c3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$ (1,425.00)
416	16622737	16621755	Maria Teresa Milagres Neves	tmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews14	2ce4b2c3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$ (1,425.00)
417	16623149	16621755	Maria Teresa Milagres Neves	tmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews18	2ce4b2c3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$ (1,425.00)
418	16224699	16224593	Maria Neves	tmilagres@gmail.com	5089043810	5089043810	2 B brackett rd	.	01702	thth32	cfd12d74bca9357022eb7d8367bcab26	0129019033	1953-10-15	\$ (1,425.00)
419	16628755	16621755	Maria Teresa Milagres Neves	tmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews31	2ce4b2c3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$ (1,425.00)
420	16625215	16621755	Maria Teresa Milagres Neves	tmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews19	2ce4b2c3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$ (1,425.00)
421	16625357	16621755	Maria Teresa Milagres Neves	tmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews20	2ce4b2c3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$ (1,425.00)
422	16621887	16621755	Maria Teresa Milagres Neves	tmilagres@gmail.com	5089043810	5089043810	2b Brackett Rd	.	01702	galonews09	2ce4b2c3efcc473a6ed2d70b01c4d7e9	0129019033	1953-10-15	\$ (1,425.00)
423	11245659	11245137	Maria Teresa Milagres Neves	tmilagres@gmail.com	5089043810	5089043810	2B Brackett rd	2B	01702	lilimax7	ba168c2e6d5fa0cc0b72c48454335a67	0129019033	1953-10-15	\$ (1,425.00)
424	11245137	11245137	Maria Teresa Milagres Neves	tmilagres@gmail.com	5089043810	5089043810	2B Brackett rd	2B	01702	lilimax3	ba168c2e6d5fa0cc0b72c48454335a67	0129019033	1953-10-15	\$ (1,425.00)
425	11245995	11245137	Maria Teresa Milagres Neves	tmilagres@gmail.com	5089043810	5089043810	2B Brackett rd	2B	01702	lilimax8	ba168c2e6d5fa0cc0b72c48454335a67	0129019033	1953-10-15	\$ (1,425.00)
426	17949747	17949747	Maria Neves	Anaevangelista2000@hotmail.com	7743860576	7743860576	Beaver st	126 a	01702	mndaniel2009	4733cd8f1f59de9589616b89c5e8a1c1	Ya048297	1977-02-14	\$ (1,425.00)
427	11867267	11866855	Maria Teresa Milagres Neves	hbmaltaro@gmail.com	5089043810	5089043810	2B Brackett rd	2B	01702	ttnews35	cfd12d74bca9357022eb7d8367bcab26	5089041038	1953-10-15	\$ (1,425.00)
428	11867141	11866855	Maria Teresa Milagres Neves	hbmaltaro@gmail.com	5089043810	5089043810	2B Brackett rd	2B	01702	ttnews34	cfd12d74bca9357022eb7d8367bcab26	5089041038	1953-10-15	\$ (1,425.00)
429	11458613	11458613	Maria Teresa Milagres Neves	tmilagres@gmail.com	5089043810	5089043810	2B Brackett rd	.	01702	ttnews16	cfd12d74bca9357022eb7d8367bcab26	5089041038	1953-10-15	\$ (1,425.00)
430	11599497	11599389	Maria T M Neves	tmilagres@gmail.com	5089043810	5089043810	2b Brackett rd	2	01702	ttnews28	cfd12d74bca9357022eb7d8367bcab26	5089041038	1953-10-15	\$ (1,425.00)
431	17235927	17235927	Maria T Milagres Neves	tmilagres@gmail.com	5089043810	5089043810	2B Brackett Rd	2	01702	tmilagres00	e99b769d8bbee3287936bf71335976e	0129019033	1953-10-23	\$ (1,425.00)
432	11278205	11278205	Maria T M neves	hbmaltaro@gmail.com	5089043810	5089043810	2b brackett rd	.	01702	ttnews3	cfd12d74bca9357022eb7d8367bcab26	5089041038	1953-10-15	\$ (1,425.00)
433	11278539	11278539	Maria T M Neves	hbmaltaro@gmail.com	5088085532	5088085532	2b Brackett Rd	.	01702	ttnews6	cfd12d74bca9357022eb7d8367bcab26	5089041038	1953-10-15	\$ (1,425.00)
434	11278563	11278205	Maria T M Neves	hbmaltaro@gmail.com	5089043810	5089043810	2b Brackett rd	.	01702	ttnews7	cfd12d74bca9357022eb7d8367bcab26	5089041038	1953-10-15	\$ (1,425.00)
435	11599565	11599565	Maria T M Neves	hbmaltaro@gmail.com	5089043810	5089043810	2b Brackett rd	2	01702	ttnews29	95cac36133785b81a4dd0f51b40d1b7b	5089041038	1953-10-15	\$ (1,425.00)

436	11926571	11925697	Maria T M Neves	teresamilagres@hotmail.com	5089043810	5089043810	2b Brackett rd	.	01702	lilimax15	ba168c2e6d5fa0cc0b72c48454335a67	5089041038	1953-10-15	\$	(1,425.00)
437	11278247	11278247	Maria T M Neves	hbmaltaro@gmail.com	5089043810	5089043810	2b Bracket rd	.	01702	ttnews4	cfid12d74bca9357022eb7d8367bcab26	5089041038	1953-10-15	\$	(1,425.00)
438	11925697	11925697	Maria T M Neves	teresamilagres@hotmail.com	5089043810	5089043810	2b Brackett rd	.	01702	lilimax14	ba168c2e6d5fa0cc0b72c48454335a67	5089041038	1953-10-15	\$	(1,425.00)
439	11278609	11278205	Maria T M Neves	hbmaltaro@gmail.com	5089043810	5089043810	2b brackett rd	.	01702	ttnews9	cfid12d74bca9357022eb7d8367bcab26	5089041038	1953-10-15	\$	(1,425.00)
440	11278037	11278037	Maria T. M Neves	hbmaltaro@gmail.com	5089043810	5089043810	2b Brackett rd	.	01702	ttnews2	a2eb806026195566122a76e94219759f	5089041038	1953-10-15	\$	(1,425.00)
441	11599389	11599389	Maria T M Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett rd	2	01702	ttnews27	cfid12d74bca9357022eb7d8367bcab26	5089041038	1953-10-15	\$	(1,425.00)
442	11278587	11278205	Maria T M Neves	hbmaltaro@gmail.com	5089043810	5089043810	2b Brackett rd	.	01702	ttnews8	cfid12d74bca9357022eb7d8367bcab26	5089041038	1953-10-15	\$	(1,425.00)
443	11599763	11599389	Maria T M Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett rd	2	01702	ttnews30	cfid12d74bca9357022eb7d8367bcab26	5089041038	1953-10-15	\$	(1,425.00)
444	11278655	11278205	Maria T M Neves	hbmaltaro@gmail.com	5089043810	5089043810	2b Brackett rd	.	01702	ttnews10	cfid12d74bca9357022eb7d8367bcab26	5089041038	1953-10-15	\$	(1,425.00)
445	11278295	11278205	Maria T. M Neves	hbmaltaro@gmail.com	5089043810	5089043810	2b Brackett rd	.	01702	ttnews5	cfid12d74bca9357022eb7d8367bcab26	5089041038	1953-10-15	\$	(1,425.00)
446	13998145	13997415	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brakett Rd	2	01702	thth1	cfid12d74bca9357022eb7d8367bcab26	0129019033	1953-10-15	\$	(1,425.00)
447	13998187	13997415	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brakett Rd	2	01702	thth2	cfid12d74bca9357022eb7d8367bcab26	0129019033	1953-10-15	\$	(1,425.00)
448	13998239	13997415	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brakett Rd	2	01702	thth3	cfid12d74bca9357022eb7d8367bcab26	0129019033	1953-10-15	\$	(1,425.00)
449	14786759	14786759	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2 b Brackett Rd.	2 B	01702	lilimax22	ba168c2e6d5fa0cc0b72c48454335a67	012901900	1953-10-15	\$	(1,425.00)
450	14056797	14006539	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brakett Rd	.	01702	thth26	cfid12d74bca9357022eb7d8367bcab26	0129019033	1953-10-15	\$	(1,425.00)
451	14787529	14787529	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2B Brackett Rd.	2b	01702	lilimax24	ba168c2e6d5fa0cc0b72c48454335a67	012901900	1953-10-15	\$	(1,425.00)
452	14056761	14006539	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brakett Rd	.	01702	thth25	cfid12d74bca9357022eb7d8367bcab26	0129019033	1953-10-15	\$	(1,425.00)
453	16638275	16638275	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2B Brackett Rd.	.	01702	galonews53	2ce4b23efcc473a6ed2d70b01c4d7e9	0129019034	1953-10-15	\$	(1,425.00)
454	11308793	11308607	Maria Teresa M. Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brackett rd	2	01702	ttnews12	cfid12d74bca9357022eb7d8367bcab26	5089041038	1953-10-15	\$	(1,425.00)
455	12472939	12472939	Maria Teresa M. Neves	telexfreeindependent@gmail.com	5089043810	5089043810	2 B Brackett Rd	2	01702	lilimax18	ba168c2e6d5fa0cc0b72c48454335a67	994525361	1953-10-15	\$	(1,425.00)
456	12473507	12472939	Maria Teresa M. Neves	telexfreeindependent@gmail.com	5089043810	5089043810	2 B Brackett Rd	2	01702	lilimax19	ba168c2e6d5fa0cc0b72c48454335a67	994525361	1953-10-15	\$	(1,425.00)
457	12419111	12419111	Maria Teresa M. Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brackett rd	2	01702	lilimax16	ba168c2e6d5fa0cc0b72c48454335a67	0129019033	1953-10-15	\$	(1,425.00)
458	11308863	11308607	Maria Teresa M. Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brackett rd	2	01702	ttnews13	cfid12d74bca9357022eb7d8367bcab26	5089041038	1953-10-15	\$	(1,425.00)
459	11309101	11308607	Maria Teresa M. Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brackett rd	2	01702	ttnews15	cfid12d74bca9357022eb7d8367bcab26	5089041038	1953-10-15	\$	(1,425.00)
460	12473729	12472939	Maria Teresa M. Neves	telexfreeindependent@gmail.com	5089043810	5089043810	2 B Brackett Rd	2	01702	lilimax20	ba168c2e6d5fa0cc0b72c48454335a67	994525361	1953-10-15	\$	(1,425.00)
461	11308607	11308607	Maria Teresa M. Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brackett rd	2	01702	ttnews11	cfid12d74bca9357022eb7d8367bcab26	50890410	1953-10-15	\$	(1,425.00)
462	12419299	12419111	Maria Teresa M. Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brackett rd	2	01702	lilimax17	ba168c2e6d5fa0cc0b72c48454335a67	0129019033	1953-10-15	\$	(1,425.00)
463	11308937	11308607	Maria Teresa M. Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brackett rd	2	01702	ttnews14	cfid12d74bca9357022eb7d8367bcab26	5089041038	1953-10-15	\$	(1,425.00)
464	11301795	11301631	Maria Teresa M. Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brackett	2 B	01702	lilimax12	ba168c2e6d5fa0cc0b72c48454335a67	935268456	1953-10-15	\$	(1,425.00)
465	11301855	11301855	Maria Teresa M. Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brackett Rd	2 B	01702	lilimax13	ba168c2e6d5fa0cc0b72c48454335a67	935268456	1953-10-15	\$	(1,425.00)
466	12473919	12472939	Maria Teresa M. Neves	telexfreeindependent@gmail.com	5089043810	5089043810	2 B Brackett Rd	2	01702	lilimax21	ba168c2e6d5fa0cc0b72c48454335a67	994525361	1953-10-15	\$	(1,425.00)
467	14056375	14006539	Maria Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brakett Rd	.	01702	thth18	cfid12d74bca9357022eb7d8367bcab26	0129019033	1953-10-15	\$	(1,425.00)
468	11301631	11301631	Maria Teresa M. Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B Brackett	2 B	01702	lilimax11	ba168c2e6d5fa0cc0b72c48454335a67	935268456	1953-10-15	\$	(1,425.00)
469	17235929	17235929	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2b Brackett rd	.	01702	ttmilagres0	c99b769d8bcee3287936bf71335976e	0129019033	1953-10-15	\$	(1,425.00)
470	11244877	11244775	Maria Teresa Milagres Neves	ttmilagres@gmail.com	5089043810	5089043810	2 B brackett rd	.	01702	lilimax2	ba168c2e6d5fa0cc0b72c48454335a67	0129019033	1953-10-15	\$	(1,495.00)
471	2240074	2240074	Maria Teresa Milagres Neves	teresamilagres@hotmail.com	5089043810	5089043810	2B Brackett rd	2B	01702	ttneves1	c99b769d8bcee3287936bf71335976e	5089043811	1953-10-15	\$	(1,495.00)

## **EXHIBIT 4**

#	clean_rep_end_l	clean_rep_end_r	end_jwsim
1	137a winthrop st apt11a	137a winthrop st apt 11a	99.17
2	calle juan buendía 758 urb. patazca	calle juan buendia 758 urb. patazca	98.86
3	3 swans pond ave	3 swains pond ave	98.82
4	barrio de la cruz 20 3d	barrio de la cruz20 3d	98.22
5	shenyagn	shenyang	97.50
6	454 meridian st apt #2	454 meridian st #2	96.36
7	803 sw morrison st ste b2	803 sw morrison st 2b	95.85
8	jr. los nogales 230	jr. los nogales	95.79
9	87 - 48 de 114 street, 2do piso - richmond hill	87 - 48 de 114 street 2 piso - richmond hill	94.63
10	flat270 norwood road	flat 270 norwood road	94.05
11	78 neil st	78 neil	94.00
12	calle 21 sur 22-63	clle 21 sur # 22 63	93.41
13	arzobispo xelmirez	alzobispo xelmirez	93.33
14	pasaje ibiza, 2265	pasaje ibiza	93.33
15	rua x3	rua x4	93.33
16	6532 46th st	6532 6th street	93.00
17	caminho velho da igreja	caminho velho da igreja nº16 garachico	92.11
18	149w selden st	149 w selden st	91.78
19	#29h	29	91.11
20	av sampaio	av. sampaio, n 668	89.63
21	rm 803,8/f,wah oi hse,wah kwai est,aberdeen,h.k.	rm 803, wah oi house, wah kwai est,	89.32
22	14812 sw 17 sreet	14812 s.w 171 terrace	89.06
23	r. l	r. a	88.33
24	r. l	r. a	88.33
25	rua da longueira,51 moradia assomada park	rua da longueira	87.80
26	chican y yangana	chican	87.50
27	av. aviacion 415 - 2do. piso 2204	av.aviación 415 2do.piso 2204	87.33
28	caminho	caminho da achada 107	86.67
29	nangangu xuefuli68hao 701shi	nangang	84.83
30	roundtree blvd	36 roundtree blvd	84.59
31	rua anadia	r anadia	82.75
32	av chone entrada pita km 34	avenida chone km 34	80.82
33	1209	127	77.78
34	av. manco capac	jr. manco inca	76.03
35	an hui	rang hu lu qu	73.93
36	calle 104 # 25a -11	10 calle 18 av b local 101	71.50
37	mz 64 lte 04 cte16	ciudad nueva mz 64 lt 05 cte 16	71.33
38	nangang	heilongjiang	71.03
39	calle c no 12 vista el valle	calle d	69.05
40	estrada dr joao abel Freitas	estrada francisco alvares nobrega , edificio park , lote 6 bloco 1 fração e	68.83
41	henan	nangang	67.62
42	cra 70 n 80-26	cIl 20c 76 07 apto 301	65.63
43	calle 32 no 4m 33	calle san francisco de asis	65.45
44	rua drº alfredo ferreira júnior n.º 34	rua da escola	65.13
45	44 cypress st apt 2	spruce street	64.79
46	changchun	wuhan	64.44
47	diagonal 18n 25ai 08	carrera 89 c 68 a 105	63.07
48	la brida	cIl 50b sur # 89a 51	62.50
49	cr 41-c # 11-35	cIl 132 a no 89-51 bloque 6 casa 14	62.19
50	nangang	guangxi	61.90
51	daoliqu shanghailu6hao 407shi	zhan lan guan xi lu 907 hao	61.43
52	mario avila	manzana92	60.27



53	beijing	shenyang	60.12
54	angangn	ranghulu	60.12
55	rua antonio gomes filho	rua beirute	59.93
56	changchun	shenyang	59.35
57	shenyang	changchun	59.35
58	changchun	shenyang	59.35
59	rua nova esperança	caminho das courelas 40 a	59.28
60	dongcheng	neimeng	58.86
61	changchun	guangxi	58.73
62	ps caravelly	los rosales	58.59
63	santiago 2	angel aguirre	57.61
64	changchun	shen	57.41
65	shen	changchun	57.41
66	kouqian	huludaoshilianshanquhaiyuehuayuan	56.85
67	caminho do terãço	vivien st	55.99
68	rua santo antonio	calle 1ra no.973 chicago apto. 4 piso 1 edificio f & j	55.94
69	75 n martin st	sandalopes@hotmail.co.uk	55.65
70	carrera 71 b bis numero 12-30	col primavera	55.64
71	calle guayaquil	las palmas	55.56
72	123	213	55.56
73	rua ponta da cruz	rua josã© galvão n3 3dto.	55.52
74	hutai	shenyang	55.00
75	calle 52a no. 31 - 101 apto 201	kr 2 a sur n 18 35	54.57
76	desiderio arias	jose audilo santana	54.31
77	38 arlington	192 garden st	54.27
78	matadera 9 v noord aruba	casa 1	54.17
79	8848 beacon lakes dr	el rubio san jose de las matas	54.06
80	huioho	vhgvgv	53.97
81	3215 villa strada way	rua: jose almeida macedo	53.95
82	sichuan chengdou	beijing	53.87
83	av 5 de agosto mz a1 lt 2	4375 york blvd apt#108	53.63
84	av 04 de julho	rua das hortencias	53.44
85	rua dr pita n67	calle libertador, edif zozzoro	53.33
86	kilometro 8 acaray, av. san blas y colombia	jr. leoncio prado 163	53.22
87	chorerras	jr. francisco pizarro	53.12
88	1234	125 lakeview lane apt 2	52.90
89	rua do serrado edif santa teresa ac1	av: goiania	52.48
90	nangang	beijing	52.38
91	huadian	beijing	52.38
92	divonzir luciano	rua santana	52.23
93	#42,street289,beong kok ii commune, toul kork district	#155, prey chisak village	52.06
94	av. central	manion st	51.94
95	rua antã³nio assunã§ãõ	av duque de avila n23	51.58
96	pedro vicente maldonado y simón bolivar	cra 86 d # 51 -18 sur	51.10
97	beijing	guanganjie61hao34-2-201	51.06
98	gabriela mistral	carrera 122 n 12-33	50.80
99	beijing	guangzhou	50.26
100	changchun	beijing	50.26

## **EXHIBIT 5**

Participant Type	Tier: Net Equity of Participant (in abs \$)	User Accounts	Avg. User Accounts per Cluster	Avg. Net Equity per User Account	Participant Clusters	Participant %	Avg. Net Equity per Participant	Total Equity	Total Equity %	Cumulative Total Equity %
All	a. 0-100	796,250	1	n/a	691,906	44.2%	n/a	\$ (37,385,020)	n/a	n/a
All	b. 100-1,000	1,770,661	5	n/a	343,128	21.9%	n/a	\$ (133,974,754)	n/a	n/a
All	c. 1,000-5,000	3,431,226	8	n/a	432,725	27.6%	n/a	\$ (755,795,467)	n/a	n/a
All	d. 5,000-10,000	1,615,100	31	n/a	52,733	3.4%	n/a	\$ (223,489,952)	n/a	n/a
All	e. 10,000-25,000	1,714,439	55	n/a	31,153	2.0%	n/a	\$ (148,591,541)	n/a	n/a
All	f. 25,000-50,000	662,789	85	n/a	7,784	0.5%	n/a	\$ 74,482,784	n/a	n/a
All	g. 50,000-100,000	417,684	114	n/a	3,660	0.2%	n/a	\$ 158,163,187	n/a	n/a
All	h. 100,000-250,000	327,596	148	n/a	2,210	0.1%	n/a	\$ 289,167,091	n/a	n/a
All	i. 250,000-1,000,000	162,467	162	n/a	1,004	0.1%	n/a	\$ 428,560,678	n/a	n/a
All	j. 1,000,000-2,000,000	18,057	287	n/a	63	0.0%	n/a	\$ 83,708,816	n/a	n/a
All	k. 2,000,000-5,000,000	71,348	4,197	n/a	17	0.0%	n/a	\$ 38,963,930	n/a	n/a
All	l. 5,000,000+	-	-	n/a	0	0.0%	n/a	\$ -	n/a	n/a
<b>Total All</b>		<b>10,987,617</b>	<b>7</b>	<b>n/a</b>	<b>1,566,383</b>	<b>100.0%</b>	<b>n/a</b>	<b>\$ (226,190,248)</b>	<b>n/a</b>	<b>n/a</b>

Participant Type	Tier: Net Losses of Participant (in \$)	User Accounts	Avg. User Accounts per Cluster	Avg. Net Equity per User Account	Participant Clusters	Participant %	Avg. Net Equity per Participant	Total Equity	Total Equity %	Cumulative Total Equity %
Net Loser	a. 0-100	771,466	1	\$ (49)	685,517	46.2%	\$ (55)	\$ (37,672,375)	2.1%	2.1%
Net Loser	b. 100-1,000	1,639,567	5	\$ (87)	324,580	21.9%	\$ (439)	\$ (142,363,031)	8.0%	10.1%
Net Loser	c. 1,000-5,000	3,109,900	8	\$ (264)	406,715	27.4%	\$ (2,019)	\$ (821,020,850)	46.1%	56.2%
Net Loser	d. 5,000-10,000	1,395,861	33	\$ (210)	42,850	2.9%	\$ (6,856)	\$ (293,769,015)	16.5%	72.7%
Net Loser	e. 10,000-25,000	1,365,292	64	\$ (224)	21,205	1.4%	\$ (14,436)	\$ (306,105,826)	17.2%	89.8%
Net Loser	f. 25,000-50,000	404,201	138	\$ (240)	2,924	0.2%	\$ (33,153)	\$ (96,937,959)	5.4%	95.3%
Net Loser	g. 50,000-100,000	221,933	311	\$ (215)	714	0.0%	\$ (66,717)	\$ (47,635,924)	2.7%	97.9%
Net Loser	h. 100,000-250,000	134,652	769	\$ (180)	175	0.0%	\$ (138,226)	\$ (24,189,464)	1.4%	99.3%
Net Loser	i. 250,000-1,000,000	44,110	2,206	\$ (189)	20	0.0%	\$ (416,451)	\$ (8,329,019)	0.5%	99.8%
Net Loser	j. 1,000,000-2,000,000	1,248	1,248	\$ (816)	1	0.0%	\$ (1,018,291)	\$ (1,018,291)	0.1%	99.8%
Net Loser	k. 2,000,000-5,000,000	62,725	62,725	\$ (50)	1	0.0%	\$ (3,129,978)	\$ (3,129,978)	0.2%	100.0%
Net Loser	l. 5,000,000+	-	-	\$ -	0	0.0%	\$ -	\$ -	0.0%	100.0%
<b>Total Net Losers</b>		<b>9,150,955</b>	<b>6</b>	<b>\$ (195)</b>	<b>1,484,702</b>	<b>100.0%</b>	<b>\$ (1,200)</b>	<b>\$ (1,782,171,730)</b>	<b>100.0%</b>	<b>100.0%</b>

Participant Type	Tier: Net Gains of Participant (in \$)	User Accounts	Avg. User Accounts per Cluster	Avg. Net Equity per User Account	Participant Clusters	Participant %	Avg. Net Equity per Participant	Total Equity	Total Equity %	Cumulative Total Equity %
Net Winner	a. 0-100	24,784	4	\$ 12	6,389	7.8%	\$ 45	\$ 287,355	0.0%	0.0%
Net Winner	b. 100-1,000	131,094	7	\$ 64	18,548	22.7%	\$ 452	\$ 8,388,276	0.5%	0.6%
Net Winner	c. 1,000-5,000	321,326	12	\$ 203	26,010	31.8%	\$ 2,508	\$ 65,225,383	4.2%	4.7%
Net Winner	d. 5,000-10,000	219,239	22	\$ 321	9,883	12.1%	\$ 7,111	\$ 70,279,063	4.5%	9.3%
Net Winner	e. 10,000-25,000	349,147	35	\$ 451	9,948	12.2%	\$ 15,834	\$ 157,514,285	10.1%	19.4%
Net Winner	f. 25,000-50,000	258,588	53	\$ 663	4,860	5.9%	\$ 35,272	\$ 171,420,743	11.0%	30.4%
Net Winner	g. 50,000-100,000	195,751	66	\$ 1,051	2,946	3.6%	\$ 69,857	\$ 205,799,111	13.2%	43.6%
Net Winner	h. 100,000-250,000	192,944	95	\$ 1,624	2,035	2.5%	\$ 153,984	\$ 313,356,555	20.1%	63.8%
Net Winner	i. 250,000-1,000,000	118,357	120	\$ 3,691	984	1.2%	\$ 443,994	\$ 436,889,697	28.1%	91.8%
Net Winner	j. 1,000,000-2,000,000	16,809	271	\$ 5,041	62	0.1%	\$ 1,366,566	\$ 84,727,107	5.4%	97.3%
Net Winner	k. 2,000,000-5,000,000	8,623	539	\$ 4,882	16	0.0%	\$ 2,630,869	\$ 42,093,908	2.7%	100.0%
Net Winner	l. 5,000,000+	-	-	\$ -	0	0.0%	\$ -	\$ -	0.0%	100.0%
<b>Total Net Winners</b>		<b>1,836,662</b>	<b>22</b>	<b>\$ 847</b>	<b>81,681</b>	<b>100.0%</b>	<b>\$ 19,049</b>	<b>\$ 1,555,981,482</b>	<b>100.0%</b>	<b>100.0%</b>

## **EXHIBIT 6**

**Provided natively as *aggregation\_output.csv***

## **EXHIBIT 7**

**Provided natively as *aggregation\_summary.csv***

# Exhibit B.



**UNITED STATES BANKRUPTCY COURT  
DISTRICT OF MASSACHUSETTS**

In re:

TELEXFREE, LLC,  
TELEXFREE, INC., and  
TELEXFREE FINANCIAL, INC.,

Debtors

Chapter 11 Cases

14-40987-MSH  
14-40988-MSH  
14-40989-MSH

Jointly Administered

STEPHEN B. DARR, TRUSTEE  
OF THE ESTATES OF TELEXFREE, LLC,  
TELEXFREE, INC. and TELEXFREE  
FINANCIAL, INC.,

Plaintiff,

v.

BENJAMIN ARGUETA, A  
REPRESENTATIVE OF A CLASS OF  
DEFENDANT NET WINNERS,

Defendants.

Adversary Proceeding No. 16-4006

STEPHEN B. DARR AS TRUSTEE  
OF THE ESTATES OF TELEXFREE, LLC,  
TELEXFREE, INC. and TELEXFREE  
FINANCIAL, INC.,

Plaintiff,

v.

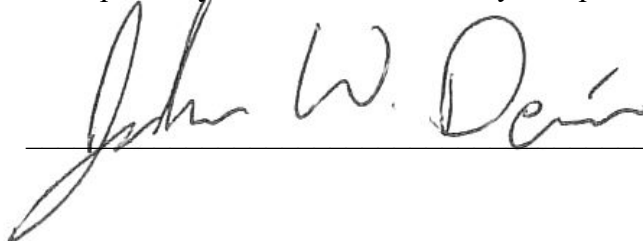
MARCO PUZZARINI, A REPRESENTATIVE  
OF A CLASS OF DEFENDANT NET  
WINNERS,

Defendants.

Adversary Proceeding No. 16-4007

**SUPPLEMENTAL REBUTTAL EXPERT REPORT OF JOSHUA W. DENNIS**

Respectfully submitted this 14<sup>th</sup> day of April, 2023



\_\_\_\_\_

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SUPPLEMENTAL REBUTTAL EXPERT REPORT OF JOSHUA W. DENNIS  
 April 14, 2023

**List of Exhibits**

Exhibit Number	Description
1	Curriculum Vitae of Joshua W. Dennis
2	Documents Considered
3	User Accounts and Participants by Entity and Type
4	Summary of TelexFree Net Equity by Tier and Transaction Type
5	Summary of TelexFree User Accounts and Participants by Tier
6	Summary of TelexFree Top Net Losers Matched to Net Winners
7	Top 100 TelexFree Net Losers
8	Top 100 TelexFree Net Winners
9.1-9.5	Top Net Loser and Matched Net Winner User Account Detail
10	Frantz Balan & Lurette Balan User Account Detail
11	Alphabet User Account Detail
12	Billybob Arbonne User Account Detail
13	Lopes & Carreiro User Account Detail
14	Zaglia & Ragolia User Account Detail
15	Rejane & Paulo Marinho User Account Detail
16	Maria Neves User Account Detail
17	Sann Devaconcelos User Account Detail
18	Oscar Sosa User Account Detail
19	Claimed Account Aggregations
20.1-20.3	Example Credit Transfer Detail

## I. INTRODUCTION

1. I, Joshua W. Dennis, am a Partner in the Boston office of StoneTurn Group LLP (“StoneTurn”). I provide financial and economic consulting services – including the analysis of complex data – to attorneys and companies. I have more than 15 years of experience working with clients and counsel on matters requiring complex data analysis, such as economic damages, forensic accounting, compliance monitoring, and valuation engagements.

2. In addition to experience in data collection, mining, anomaly detection, and reporting of transactional and trading data, I have extensive expertise in financial modeling to quantify and assess lost profits, diminution of business value, and other areas of economic loss. My analyses also frequently include evaluations related to data sufficiency and integrity testing, integration of disparate datasets, data exploration, and visual modeling.

3. In conjunction with my experience related to the quantification of economic damages, I have gained expertise through my certifications and trainings.

4. A copy of my current curriculum vitae, which summarizes my qualifications and professional experience, is attached as **Exhibit 1**.

5. StoneTurn charges \$600 per hour for time I spend consulting and developing expert opinions, as well as time that may be spent testifying related to my opinions. Neither my, nor my staff’s, nor StoneTurn’s, compensation is affected in any way by either the conclusions I have reached or the outcome of this lawsuit.

## II. BACKGROUND

6. On June 6, 2014, the Plaintiff, Stephen Darr, was appointed Chapter 11 Trustee (“Trustee”) of the bankruptcy estates of TelexFree, LLC, TelexFree, Inc., and TelexFree Financial, Inc., (collectively, the “Company,” “TelexFree,” or “Debtors”).<sup>1</sup> The Trustee alleges that TelexFree

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<sup>1</sup> Amended Complaint, Adversary Proceeding No. 16-04006, April 14, 2016 (“Amended Complaint”) at 3.

operated a massive Ponzi and pyramid scheme that defrauded hundreds of thousands of individuals in numerous countries out of billions of dollars.<sup>2</sup>

7. The Trustee alleges that roughly 15,000 individuals or entities residing in the U.S. are “Net Winners”<sup>3</sup> who illegally profited from the fraud. These 15,000 Net Winners comprise a class of Defendants (“U.S. Net Winner Class”).<sup>4</sup> Additionally, the Trustee alleges that roughly 80,000 individuals or entities residing outside the U.S. are “Net Winners” who illegally profited from the fraud.<sup>5</sup> These 80,000 Net Winners comprise a class of defendants (“Non-U.S. Net Winner Class,” collectively with the U.S. Net Winner Class, hereinafter referred to as the “Net Winner Class”).

**A. TelexFree User Accounts and Participants**

8. I understand that an individual could join TelexFree (as a “Participant”) by purchasing either a membership plan or individual Voice over Internet Protocol (“VoIP”) phone packages. However, VoIP phone packages, which cost \$49.90 per package,<sup>6</sup> constituted only a minor portion of the Company’s business, as TelexFree primarily generated returns from the membership fees associated with recruiting new Participants.<sup>7</sup>

9. Each time a Participant purchased a membership plan or VoIP package, the Participant established a “User Account” with the Company and was directed to provide a name, address, email address, phone numbers, passcodes, and certain other information.<sup>8</sup>

10. TelexFree used the User Accounts to track the activity of Participants, including “Credits” issued to Participants for becoming a “Promoter” of the business by placing advertisements on certain websites, as well as recruiting additional Participants. TelexFree also used the User Accounts to track certain other activities, such as bonuses, commissions, payments of invoices, use of Credits to satisfy invoices, transfers of Credits, and cash receipts. A Participant could

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<sup>2</sup> Amended Complaint at 21.

<sup>3</sup> For the specific definition of Net Winner, see Section V of this report.

<sup>4</sup> Class Certification Order and Approval of Class Counsel, Adversary Proceeding No. 16-4006, October 6, 2016 (“Class Cert. 16-4006”) at 3.

<sup>5</sup> Class Certification Order and Approval of Class Counsel, Adversary Proceeding No. 16-4007, August 3, 2017 (“Class Cert. 16-4007”) at 2.

<sup>6</sup> Motion by Chapter 11 Trustee for Entry of Order Finding that Debtors Engaged in Ponzi and Pyramid Scheme and Related Relief, October 7, 2015 (“Motion for Entry of Order that Debtors Engaged in Ponzi Scheme”) at 6.

<sup>7</sup> Amended Complaint at 21.

<sup>8</sup> Amended Complaint at 22-23.

establish more than one User Account, and in practice many Participants had multiple User Accounts, sometimes numbering in the thousands.<sup>9</sup>

11. The User Accounts and related data were stored in TelexFree's Information Management System, SIG.<sup>10</sup> The SIG database contained data for approximately 17 million User Accounts, of which approximately 15 million were associated with at least one paid invoice.<sup>11</sup>

12. An affiliated entity of TelexFree, Ympactus Commercial Ltda. ("Ympactus"), reportedly operated a similar scheme in Brazil, and also stored its data in SIG. Ympactus was seized by the Brazilian authorities in June 2013.<sup>12</sup> The currency field, which identified whether an invoice was denominated in Brazilian reais ("Reais" or "BRL") or United States dollars ("USD"), was utilized to separate out the Ympactus data from the TelexFree data within SIG. User Accounts with Brazilian contact information were denominated in Reais, and thus associated with Ympactus. Conversely, invoices associated with User Accounts with non-Brazilian contact information were denominated in USD and assumed to be associated with TelexFree. Approximately 11 million User Accounts with at least one paid invoice remained after excluding the User Accounts associated with Ympactus.<sup>13</sup>

13. The Company provided Participants with two membership plan options, each of which allowed for the generation of Credits. A one-year membership plan could be purchased by Participants for \$339 (for an "AdCentral Plan") or \$1,425 (for an "AdCentral Family Plan"), as follows:<sup>14</sup>

- **AdCentral Plan** – \$339 for a one-year contract (\$50 membership fee plus \$289 contract fee). This contract entitled the User Account holder to sell ten VoIP Packages, for which a Participant could receive a commission if the packages were sold. Participants were required to place one internet ad per day and, for each complete week in which the Participant placed the required ads, he or she was entitled to one additional VoIP Package, which could be sold or exchanged

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<sup>9</sup> Amended Complaint at 22-23. Also, see e.g., **Exhibit 7** and **Exhibit 8**.

<sup>10</sup> Motion for Entry of Order that Debtors Engaged in Ponzi Scheme at 11. ("SIG stands for Sistemas de Informacoes Gerenciais, which is from the Portuguese language and translates roughly to 'Information Management System.'")

<sup>11</sup> Expert Report of Timothy J. Martin, April 13, 2018 ("Martin Report") at 11. Also, see **Exhibit 3**.

<sup>12</sup> Martin Report at 7; Motion for Entry of Order that Debtors Engaged in Ponzi Scheme at 14-16.

<sup>13</sup> Martin Report at 11. Also, see **Exhibit 3**.

<sup>14</sup> Motion for Entry of Order that Debtors Engaged in Ponzi Scheme at 7-8.

for \$20 in credits with the Debtors. Thus, Participants who posted the required ads were eligible to receive \$20 per week for 52 weeks, for a total annual return of \$1,040.

- **AdCentral Family Plan** – \$1,425 for a one-year contract (\$50 membership fee plus \$1,375 contract fee). This contract entitled the User Account holder to sell fifty VoIP Packages, for which a Participant could receive a commission if the packages were sold. Participants were required to place five internet ads per day and, for each week in which the Participant placed the required ads, he or she was entitled to five additional VoIP Packages, which could be sold or exchanged for \$100 in credits with the Debtors. Thus, the Participants who posted the required ads were eligible to receive \$100 per week for 52 weeks, for a total annual return of \$5,200.

#### **B. TelexFree Transactions**

14. I understand that Invoices issued by the Company to Participants for the purchase of a membership plan could be satisfied in at least the following ways: (1) a Participant could satisfy the invoice by payment in cash directly to the Company (a "Direct Transaction"); or (2) a Participant could satisfy the TelexFree invoice in other ways, such as by having a Participant, usually the recruiting Participant, pay the invoice by redeeming his or her accumulated Credits, and TelexFree would mark the invoice as paid and reduced the recruiting Participant's Credits by a corresponding amount (a "Triangular Transaction"). The Trustee alleges that Participants frequently brought on new recruits through Triangular Transactions as one means to monetize their accumulated Credits, often instead of redeeming Credits directly with the Company for cash.<sup>15</sup>

15. I understand that while invoices associated with the sale of membership plans or VoIP Packages had a face value of approximately \$3.07 billion, only \$360 million, or roughly twelve percent (12%) of that amount, was paid in cash to TelexFree; the balance of these invoices was satisfied using Participants' Credits.<sup>16</sup>

16. In the case of a Direct Transaction where a Participant satisfies his or her own invoice by payment in cash to the Company, the process generally worked as follows:<sup>17</sup>

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<sup>15</sup> Motion for Entry of Order that Debtors Engaged in Ponzi Scheme at 9-10; Memorandum in Support of Proposed Supplemental Order Respecting Motion by Chapter 11 Trustee for Entry of Order Finding that Debtors Engaged in Ponzi and Pyramid Scheme and Related Relief, January 19, 2016 ("Support of Proposed Supplemental Order") at 3-4.

<sup>16</sup> Motion for Entry of Order that Debtors Engaged in Ponzi Scheme at 10.

<sup>17</sup> Amended Complaint at 23-24.



- The new Participant established an online account.
- The Company's database recorded the data entered by the new Participant and identifies the recruiting Participant, and assigned an identification number to the newly created User Account.
- The Company recorded the purchase, issued a numbered invoice, and marked the invoice as 'pending.'
- The new Participant could pay the invoice by cash, check, cashier's check, money order, wire transfer, or through a third-party online payment processing account. When the invoice was paid, the Company would update the invoice.
- The new Participant could then start building a pyramid underneath the newly created User Account by recruiting other members (or by purchasing new User Accounts themselves or through associates), which in turn generated bonuses and commissions for the new Participant.

17. In the case of a Triangular Transaction where a new User Account is opened using accumulated Credits in another User Account, the process generally worked as follows:<sup>18</sup>

- A recruited Participant created a new online account, or used his or her existing account information, to establish a new User Account.
- The Company's database recorded the details entered by the recruited Participant and assigned an identification number to the new User Account.
- The Company recorded the purchase, issued an invoice to the new User Account, and marked the invoice as 'pending.'
- The new recruited Participant forwarded the invoice to the recruiting Participant or to a third-party Participant, who satisfied the invoice with accumulated Credits in an existing User Account.
- The Trustee alleges that the newly recruited Participant always paid the invoice amount in cash to the recruiting Participant (in those cases where there were two separate Participants involved). However, no evidence of such cash payments exists in SIG.

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<sup>18</sup> Amended Complaint at 24.

### **III. ASSIGNMENT**

18. Milligan Rona Duran & King LLC (“Counsel”) retained StoneTurn<sup>19</sup> to assess the methodology developed and employed by the Trustee in calculating the supposed net funds received by members of the Net Winner Class as a result of their participation in TelexFree.

19. My opinions are based on consideration of case-specific facts and circumstances, as well as on my education, training, and experience. I am not offering any legal opinions.

20. While my work on this matter is ongoing, this report summarizes my current opinions given the information available to date. I may consider any additional materials if produced subsequent to the issuance of this report and modify or supplement my analysis or opinions as necessary. I also reserve the right to address any comments that may be received from an expert retained by the Trustee related to my work in this matter, as outlined in this report and associated exhibits.

21. In connection with my anticipated trial testimony in this action, I may create, from various documents produced in this litigation, demonstrative exhibits which refer or relate to the matters discussed in this report, or in my deposition testimony (if I were to be deposed). I have not yet created any such exhibits as of the date of this report.

### **IV. INFORMATION CONSIDERED**

22. I considered information from a variety of sources, including (i) information produced or filed by the parties in this proceeding, (ii) information provided by relevant parties, and (iii) information from independent research.

23. Specifically, I considered information produced in these proceedings, such as legal filings.

24. Additionally, I considered information provided by relevant parties, such as reports submitted by experts retained on behalf of the Trustee in this matter, as well as any documents considered or cited therein. This includes the Expert Report of Timothy J. Martin, dated April 13,

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<sup>19</sup> As used herein, other than references to my education and experience, “I”, “We” or “StoneTurn” shall mean either me personally or those StoneTurn professionals acting under my supervision. Also, “My”, “Our”, and “Us” shall refer to actions taken by me personally or by those StoneTurn professionals acting under my direct supervision. All of the conclusions and opinions expressed herein are my own.

2018 (the “Martin Report”)<sup>20</sup> and the Expert Report of Dr. Cameron E. Freer, dated April 29, 2022 (the “Freer Report”). I also considered the following data sources and documents:

- TelexFree Sistemas de Informacoes Gerenciais (“SIG”) data tables, the management information systems used by TelexFree to track the activity for Participants by User Account.
- TelexFree data tables utilized and modified by Mr. Martin as part of his Net Equity computation<sup>21</sup> (“Huron Data Tables”), including:<sup>22</sup>
  - **rep\_id\_summary:** This table contains User Account and aggregation information developed by Mr. Martin for the Trustee.
  - **claim\_statement:** This table contains the transactions extracted from the TelexFree database, which were then used to determine and calculate Net Equity.
  - **telexfree\_accounts:** This table contains the same participant account and aggregation information, but excludes the Ympactus accounts.
  - **telexfree\_transactions:** This table contains the transactions extracted from the TelexFree database to calculate Net Equity, but includes only transactions related to Participant Net Equity.
- A summary description prepared by Mr. Martin of the components used to calculate Net Equity, the mechanism for computing Net Equity using the TelexFree database, and the method used to aggregate User Accounts;<sup>23</sup>
- TelexFree data tables considered by Dr. Freer (“Freer Data Tables”), as provided to him by Huron, including:<sup>24</sup>
  - **representante:** This table contains a unique record for each User Account, as well as related information entered by Participants such as a name, address, email address and phone number (“Account Table”).

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<sup>20</sup> Mr. Martin also issued a Reply Report on September 11, 2020 (“Martin Reply Report”).

<sup>21</sup> For the specific definition of Aggregation Process and Net Equity, see Section V of this report, below.

<sup>22</sup> Transmittal letter from Andrew Lizotte to Ilyas Rona, January 5, 2017.

<sup>23</sup> Transmittal letter from Andrew Lizotte to Ilyas Rona, January 5, 2017; and Telexfree Net Equity Calculation and Aggregation.pdf.

<sup>24</sup> See e.g., Martin Report at 9.

- **fatura:** This table contains a unique record for each invoice generated by TelexFree/Ympactus, as well as related details such as the type of plan purchased, the amount, and how the invoice was satisfied (“Invoice Table”).
- **transferencia:** This table contains information about each transfer of Credits within TelexFree’s system, as well as requests to redeem and withdraw funds (“Transfers Table”).
- **bonus:** This table primarily contains information about each accretion of TelexFree Credits into a Participant’s User Account (“Bonus Table”).
- Data tables containing Dr. Freer’s concluded aggregation of User Accounts to a Participant.<sup>25</sup>
- Programming code and other related documentation underlying Dr. Freer’s aggregation analysis.
- Electronic Proof of Claim (“ePOC”) data tables containing claims and other related information provided by Participants through a portal developed by the Trustee and his advisors.

25. Lastly, I also considered information obtained through independent research, including trade press articles and other publicly available sources.

26. The information I considered is listed in **Exhibit 2**, as well as the footnotes and other citations in this report. I reserve the ability to consider further discovery in this case, including additional expert reports, transcripts of depositions, and documents produced or made available.

## **V. UNDERSTANDING OF TRUSTEE’S METHODOLOGY FOR DETERMINING NET WINNERS AND NET LOSERS**

27. The Trustee initially retained Huron Consulting Services LLC (“Huron”), including Timothy Martin, a Managing Director in the Business Advisory Practice of Huron, to act as a financial and accounting advisor to the Trustee.<sup>26</sup> As part of this retention, Huron and Mr. Martin assisted in the development of a methodology that attempts to identify and quantify TelexFree “Net Winners” and “Net Losers,” as defined therein.

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<sup>25</sup> aggregation\_output.csv; and aggregation\_summary.csv. I note that Dr. Freer’s aggregation\_output.csv file appears to include numerous duplicate records (i.e., where a given User Account appears more than once).

<sup>26</sup> Martin Report at 3-4.

28. Mr. Martin considered a Participant to be a “Net Winner” when the net amount of funds received by the Participant exceeds the amounts expended. Conversely, Mr. Martin considers a Participant to be a “Net Loser” when the net amount of funds expended exceeds the amounts received. The nominal dollar value, whether a net gain or net loss, associated with a given Participant represents their “Net Equity,” which I understand the Court in this matter has defined as follows:<sup>27</sup>

The amount invested by the Participant into the Debtors’ scheme, including amounts paid [by the Participant] pursuant to Triangular Transactions, less amounts received by the Participant from the Debtors’ scheme, including amounts received [by the Participant] pursuant to Triangular Transactions.

29. I understand that the Court’s definition of Net Equity does not include the value of labor for the time spent by Participants or any expense incurred by Participants (e.g., rent, conferences, travel, etc.) from their involvement in TelexFree.

30. In order to analyze the data and determine who is a Net Winner or Net Loser (as defined above), Mr. Martin used a data-matching process to identify owners of TelexFree accounts (“User Accounts”) and aggregate multiple User Accounts by Participant (“Aggregation Process”). Specifically, Mr. Martin developed a 13-step Aggregation Process that primarily, if not entirely, utilized deterministic record linkage methods.

31. In response to Mr. Martin’s Net Equity Calculation and his related Aggregation Process, I submitted a Rebuttal Expert Report on July 31, 2020 (“Initial Dennis Report”) that assessed the methodologies and assumptions employed by Mr. Martin. In connection with the Initial Dennis Report and my subsequent testimony as part of an evidentiary hearing,<sup>28</sup> the Court on June 22, 2021 filed a Memorandum of Decision on Class Defendants’ Motion to Exclude Expert Witness Testimony of Timothy Martin (“Martin Decision”).

32. The Martin Decision laid out the certain legal and factual bases that underpinned Mr. Martin’s analysis and opinions, particularly as it related to Mr. Martin’s Aggregation Process, and

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<sup>27</sup> Supplemental Order Respecting Motion by Chapter 11 Trustee for Entry of Order Finding that Debtors Engaged in Ponzi and Pyramid Scheme and Related Relief, January 26, 2016 (“Supplemental Order”), at 2-3.

<sup>28</sup> Transcript of Video Evidentiary Hearings: Determining the Admissibility and Presumptive Effect of the Aggregation Methodology in Determining Net Winners before the Honorable Melvin S. Hoffman, J.U.S.B.C. November 23-24, 2020.

concluded that “[t]he trustee has not shown by a preponderance of the evidence the reliability of [Mr. Martin’s] opinion as to the selection and application of his method for aggregating user accounts to determine in these adversary proceedings the identities and gains of the net winners in the TelexFree scheme. Thus, the expert’s opinion is inadmissible.”<sup>29</sup>

33. With respect to other issues raised by Defendants related more directly to Mr. Martin’s determination of Net Equity, the Martin Decision stated:<sup>30</sup>

The defendants also raise arguments beyond simply addressing the reliability of Mr. Martin’s selection and application of an aggregation methodology, including arguments that relate to Mr. Martin’s assumptions and decisions after the aggregation process was complete, when he set out to calculate the gains and losses (net equity) of each alleged participant. Having determined that the reliability of Mr. Martin’s aggregation methodology has not been established and thus his expert opinion cannot be admitted, it is unnecessary to address the defendants’ additional arguments, which they may choose to raise in the future, if appropriate.

34. As a result of Mr. Martin’s exclusion, in or around September 2021 the Trustee retained a second expert, Dr. Freer.<sup>31</sup> Specifically, the Trustee retained Borelian Corporation, of which Dr. Freer is a Principal, to:<sup>32</sup>

[D]evelop and implement an aggregation methodology for grouping the User Accounts associated with each Participant. Specifically, Borelian was engaged to: (1) develop an aggregation methodology that creates one “cluster” of User Accounts for each Participant such that each User Account appears in precisely one cluster; and (2) provide the set of clusters that results from implementing this methodology on the 10,987,617 User Accounts attributable to TelexFree.

35. Absent from Dr. Freer’s assignment is any discussion related to an independent calculation or conclusion as to Net Equity. Instead, it appears Dr. Freer was only tasked with aggregating User Accounts (“Freer Aggregation Process”), and was instructed by counsel for the Trustee to adopt Mr. Martin’s concluded Net Equity amounts associated with each User Account.<sup>33</sup> Given that the

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<sup>29</sup> Martin Decision at 39-40.

<sup>30</sup> Martin Decision at 40.

<sup>31</sup> Motion by Liquidating Trustee to Schedule Case Management Conference Respecting Supplementation of Expert Reports, September 7, 2021 at 3; and Freer Report at 2.

<sup>32</sup> Freer Report at 2.

<sup>33</sup> BC002505-510 at 505-506 (“I think you’ve said this before, but we wanted to confirm that the Net Equity calculation by Huron is not under review here. It is our understanding that the Court has approved the Net Equity formula, and

Court appears to have excluded Mr. Martin's opinion in its entirety, it is unclear if, or to what extent, Dr. Freer is able to rely on Mr. Martin's work product, opinions or conclusions, in whole or in part, in forming his own opinions. If it is concluded that Mr. Martin's opinions and related work product should, in fact, be excluded in relevant part, then Dr. Freer's conclusions as to Net Winners and Net Losers, which necessarily utilizes Mr. Martin's concluded Net Equity figures, would likewise have no independent basis. I am not aware of any experts retained by the Trustee at this time other than Mr. Martin who have independently performed a Net Equity calculation as part of this Adversary Proceeding. In any event, Dr. Freer did not perform his own net equity calculations as he admitted they were supplied by Huron.<sup>34</sup> Dr. Freer also confirmed that he did not form any opinions "in detail" regarding whether Martin's calculations were correct or appropriate because he "didn't investigate enough to tell."<sup>35</sup>

36. Notwithstanding this uncertainty, my report addresses: (i) fundamental flaws that existed within Mr. Martin's Aggregation Process and still persist within the Freer Aggregation Process; (ii) new issues Dr. Freer introduced into the Aggregation Process; and (iii) the unreliability of the Net Equity amounts calculated in the now-excluded Martin Report, which were still adopted by Dr. Freer.

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that Huron has implemented this formula to create the net\_equity field for each account in the database. We are hoping that we can continue to use this field without further investigation, even as we examine which accounts should be aggregated...Your assumption is correct. The principal inquiry here is reaching a resolution on the user accounts to be aggregated. As the defendants have pointed out, they may raise issues with respect to the calculation of the net equity, but that is an issue for another day (and is in any event presently outside of your scope."); and Freer Report at 22-23 ("Based on information provided to Borelian from Huron in the form of a rep\_id\_summary table (the 'Summary Table'), I filtered (via the entity field) the User Account records considered for aggregation down to the 10,987,617 User Accounts attributable to TelexFree and associated with at least one paid invoice. The Summary Table also contains (in the net\_equity field) the Net Equity for each User Account as calculated by Huron, which I used in Step 10 to tabulate net equity after clustering.").

<sup>34</sup> Freer Deposition at 45.

<sup>35</sup> Freer Deposition at 48.

**A. Freer Aggregation Process**

37. The Freer Aggregation Process utilizes information supplied by Participants when registering User Accounts, such as name, email address, street address, cell phone number, and other information (“Potential Identifiers”), which was stored in the *representante* table (i.e., Account Table).<sup>36</sup> Specifically, I understand that Dr. Freer developed a 10-step Aggregation Process, which attempts to confirm which User Accounts belong to the same Participant primarily through the application of a probabilistic record linkage approach known as the Fellegi-Sunter model with Expectation Maximization.<sup>37</sup>

38. Dr. Freer describes the Fellegi-Sunter model as a way to track agreement on multiple fields simultaneously and turn that information into an overall match probability for each pair of records under consideration. The output of the Fellegi-Sunter model is the agreement score for each pair of records under consideration, typically formulated as a “match probability.”<sup>38</sup>

**i. Step 1: Selection and Transformation of Fields**

39. The first step in the Freer Aggregation Process was the selection and transformation of relevant fields from the list of Potential Identifiers. Specifically, he selects 11 of the 44 data fields in the Account Table (“Aggregation Fields”).<sup>39</sup>

- Rep\_nome – Full Name
- Rep\_email – Email
- Rep\_cel – Mobile Phone
- Rep\_fone – Telephone
- Rep\_end – Address
- Rep\_numero – Address Number
- Rep\_cep – Address Postal Code
- Rep\_login – Username

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<sup>36</sup> Freer Report at 5, 23-37 and 44-45.

<sup>37</sup> Freer Report at 5, 13, and 62.

<sup>38</sup> Freer Report at 13-15.

<sup>39</sup> Freer Report at 5 and 40; and 10ksample.xlsx.



- Rep\_pwd\_secondary – User Created Secondary Password
- Rep\_cpf – Social Security or Other Personal Identifier (Other Countries)
- Rep\_datanasc – Birthday

40. Other Potential Identifiers available in the Account Table that do not appear to have been utilized in the Freer Aggregation Process include but are not limited to: first name (rep\_primeiro\_nome); last name (rep\_sobrenome); gender (rep\_Sexo); company (rep\_comp);<sup>40</sup> address neighborhood (rep\_barrio); city (rep\_cidade); address state (rep\_uf); and country code (rep\_pais).

41. Additionally, with respect to the rep\_login field, Dr. Freer makes a further transformation and truncates it to just the first four characters.<sup>41</sup>

ii. Step 2: Cleansing of Fields

42. The second step of the Freer Aggregation Process was to clean-up and format certain fields. Depending on the specific field, this typically included converting letters to lower case and eliminating certain spaces (e.g., leading spaces, trailing spaces, double spaces).<sup>42</sup>

43. Other cleansing steps were performed on specific fields. For example, the rep\_nome field (“Name Field”) was replaced with an empty string where it had a length of one, where it was comprised of entirely non-alphanumeric characters, or where it had a length of three and the first and third characters were standard Latin alphabet while the second character was a space (e.g., “a a” or “1 1”).<sup>43</sup> For phone numbers (i.e., rep\_cel and rep\_fone), any non-digit (i.e., 0-9) characters were removed and only the last 7 digits were used.<sup>44</sup>

iii. Step 3: Deterministic Linkage

44. The third step in the Freer Aggregation Process was the application of an initial deterministic record linkage, whereby it combined any User Accounts that were in exact agreement

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<sup>40</sup> Consistent with Dr. Freer’s observation, this field actually appears to contain various components of the address. (Freer Report at 35.)

<sup>41</sup> Freer Report at 44-45.

<sup>42</sup> Freer Report at 45-46.

<sup>43</sup> Freer Report at 46.

<sup>44</sup> Freer Report at 46.

on cleansed non-null versions of eight the fields: rep\_nome; rep\_email; rep\_cel; rep\_fone; rep\_end; rep\_numero; rep\_cep; and rep\_login.

45. This deterministic step resulted in 4,367,728 account groupings.<sup>45</sup>

iv. Step 4: Blocking

46. Dr. Freer states that when the dataset is large, it may be computationally unreasonable to run the Fellegi-Sunter algorithm on the set of all pairs directly. For example, in the TelexFree dataset after the application of Step 3, there were approximately 4 million account groupings, resulting in approximately 10 trillion pairs of account groupings to consider. As such, Dr. Freer's fourth step utilized a technique known as "blocking" to reduce the number of pairs under consideration to a much smaller number. Dr. Freer notes that the restriction to a smaller subset of pairs is justified only if every pair that is excluded from the blocking set would have been very unlikely to match, had it been considered. Dr. Freer further states that, importantly, the presence of a pair of records in the blocking set does not signal that the pair is necessarily likely to be a match; rather, it simply means that the pair meets the minimum requirement to be further considered.<sup>46</sup>

47. In this case, for purposes of consideration for potential linkage, Dr. Freer required that User Accounts have "substantial agreement on name." And any account grouping pairs that did not meet this threshold, as determined by Dr. Freer, were deemed to not be part of the blocking set and were thus assigned a match probability of 0.<sup>47</sup>

48. Specifically, Dr. Freer concludes that there is "substantial agreement" with a name if it meets the following criteria:<sup>48</sup>

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<sup>45</sup> Freer Report at 49.

<sup>46</sup> Freer Report at 17-18 and 50

<sup>47</sup> Freer Report at 25 and 51.

<sup>48</sup> Freer Report at 53-54.

*WRatio(accountGrouping1.clean\_rep\_nome,  
accountGrouping2.clean\_rep\_nome) >= 85.5*  
AND

*(ratio(accountGrouping1.clean\_rep\_nome,  
accountGrouping2.clean\_rep\_nome) >= 70*

OR

*ratio(firstLast(accountGrouping1.clean\_rep\_nome),  
firstLast(accountGrouping2.clean\_rep\_nome)) >= 80)*

49. As part of this step, Dr. Freer also manually aggregates 62,725 User Accounts with a rep\_nome of “John Williams” that also shared other commonalities, such as email domain (“mailinator.com”) and street name (“Warry Lane”).<sup>49</sup>

50. After the exclusion of John Williams pairs, the output was a blocking set consisting of 117,563,883 pairs of account groupings.<sup>50</sup>

v. Step 5: Calculation of Gammas

51. The fifth step of the Freer Aggregation Process was to consider every pair of account groupings in the blocking set and assign each pair a comparison vector containing the gamma values for the cleaned fields. The gamma values, which depending on the field ranged from 0-1, 0-2, 0-3 or 0-5, were typically determined by applying cutoffs to the results of the string nearness measures (i.e., fuzzy matching) applied.<sup>51</sup> As an example, the criteria for the email address gamma is shown below:<sup>52</sup>

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<sup>49</sup> Freer Report at 55.

<sup>50</sup> Freer Report at 55.

<sup>51</sup> Freer Report at 56 to 60. I note that both user birthday and secondary password were compared directly with no fuzzy matching resulting in a binary match (1) or non-match (0).

<sup>52</sup> Freer Report at 57.

*gamma\_clean\_rep\_email:*

- 3 if *email\_ratio* == 100
- 2 if (*email\_ratio* >= 92)
- 1 if (*email\_beforeAt\_ratio* >= 90)
- 0 otherwise

where

- *beforeAt* returns the portion of the string before the first @ character
- *email\_ratio* = *ratio*(*accountGrouping1.clean\_rep\_email*,  
*accountGrouping2.clean\_rep\_email*)
- *email\_beforeAt\_ratio* = *ratio*(*beforeAt*(*accountGrouping1.clean\_rep\_email*),  
*beforeAt*(*accountGrouping2.clean\_rep\_email*))

vi. Step 6: Calculation of Match Probabilities

52. The sixth step of the Freer Aggregation Process was to utilize the Splink Python Library to automatically convert the comparison vectors for each pair of account groupings to match probabilities.<sup>53</sup>

53. The output of this step was an assignment of the match probability to each of the 117,563,883 pairs of account groupings in the blocking set.

vii. Steps 7-8: Fixed Threshold and Dynamic Clustering

54. The seventh and eighth steps of the Freer Aggregation Process involved aggregating pairs of the account groups into clusters. This was done by first creating 149 fixed threshold values, with the fixed thresholds occurring at given percentiles from 0.006 to 100. For any given fixed threshold value, Dr. Freer created a cluster such that each account grouping was placed into one cluster of the clustering by taking the transitive closure of the set of all account grouping pairs whose match probability was at least the given threshold. Higher fixed thresholds that required more closely related pairs would yield a larger number of clusters with smaller average cluster size, while smaller fixed thresholds that did not require the same closeness would yield fewer clusters with a larger average cluster size.<sup>54</sup>

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<sup>53</sup> Freer Report at 62.

<sup>54</sup> Freer Report at 62-63.

55. However, due to the heterogeneity of the TelexFree dataset (i.e., some Participants entered information very consistently across many accounts, while other participants entered information that differed more widely), Dr. Freer ultimately elected to forgo a fixed threshold approach in favor of a dynamic clustering process.<sup>55</sup>

56. Dr. Freer states that the dynamic clustering process seeks to select a different fixed threshold for each account grouping in such a way that (a) the choices are compatible across the entire dataset, and (b) the measures of “overclustering” and “underclustering” are balanced with each other.<sup>56</sup>

57. Dr. Freer describes “overclustering” as:<sup>57</sup>

Namely, define the overclustering measure of a given account grouping (with respect to a proposed clustering) to be the fraction of account groupings within its cluster with which it has a match probability above 0.5. In other words, it is the number of account groupings in its cluster with which it has a match probability over 0.5, divided by the total number of account groupings in its cluster. The average overclustering measure of a cluster (e.g., the fixed-threshold cluster of an account grouping for some particular fixed threshold) is then defined to be the average of the overclustering measures of each account grouping in the cluster. Finally, the overclustering measure of an entire proposed clustering (e.g., a candidate clustering for the dynamic clustering process) is defined to be the average overclustering measure of each account grouping’s cluster, averaged across all account groupings. In this way, if the overclustering measure of a given clustering is close to 1, this indicates that the clusters do not contain many pairs of account groupings having low match probability, while if the overclustering measure is close to 0, this indicates that the clusters contain many pairs of account groupings having low match probability.

58. Similarly, Dr. Freer describes “underclustering” as:<sup>58</sup>

Namely, define the underclustering measure of a given account grouping (with respect to a given clustering) to be the fraction of all account groupings with which it has a match probability above 0.5 that are already within its cluster. In other words, it is the number of account groupings in its cluster with which it has a match probability over 0.5, divided by the total number of account groupings in the dataset with which it has a match probability over 0.5. The underclustering measure of an entire proposed clustering (e.g., a candidate clustering for the

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<sup>55</sup> Freer Report at 64-65.

<sup>56</sup> Freer Report at 69.

<sup>57</sup> Freer Report at 67-68.

<sup>58</sup> Freer Report at 68.

dynamic clustering process) is then defined to be this quantity averaged across all account groupings. In this way, if the underclustering measure of a given clustering is close to 1, this indicates that its set of clusters already contains most of the pairs of account groupings having high match probability, while if the underclustering measure is close to 0, this indicates that there are many pairs of account groupings having high match probability which failed to both be included in any cluster.

59. This balance between overclustering and underclustering was done in the Freer Aggregation Process by choosing, for each account grouping, the fixed-threshold clustering with the smallest threshold that is still consistent with the resulting cluster having average overclustering measure above a determined dynamic clustering parameter. In this case, Dr. Freer determined the dynamic clustering parameter to be 0.60.<sup>59</sup>

60. This step resulted in dynamic clustering of 4,367,728 account groupings.<sup>60</sup>

viii. Step 9: Convert Clusters of Account Groupings into Clusters of User Accounts

61. The ninth step in the Freer Aggregation Process was to determine the final clusters by ungrouping the account groupings created in the various steps and converting each back into User Accounts. This step resulted in 1,566,383 clusters of User Accounts (“Account Aggregations” or “Clusters”), with a mean size of 7.01 User Accounts per cluster.<sup>61</sup>

ix. Step 10: Tabulate Total Net Equity for Each Cluster

62. The tenth and final step in the Freer Aggregation Process was to sum the Net Equity amount associated with each User Account (as determined by Mr. Martin) across all the User Accounts in a given cluster. In total, Dr. Freer aggregated 10,987,617 TelexFree User Accounts to 1,566,383 Clusters. Of those 1,566,383 Clusters, 1,484,702 Clusters are alleged to be Net Losers and 81,681 are alleged to be Net Winners. The Net Winners are claimed to have a total net gain of \$1,555,981,482, with an average net gain of \$19,049 per Net Winner, while the Net Losers are claimed to have a total net loss of \$1,782,171,730, with an average net loss of \$1,200 per Net Loser.<sup>62</sup>

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<sup>59</sup> Freer Report at 71.

<sup>60</sup> Freer Report at 72.

<sup>61</sup> Freer Report at 72.

<sup>62</sup> Freer Report at 72-73.

## B. Martin Net Equity Calculation

63. In the determination of Net, I understand the Trustee, and thus Mr. Martin Equity (“Net Equity Calculation” or “Martin Net Equity Calculation”), considered the following four primary transaction types:<sup>63</sup>

- **Direct Payment:** Transactions in which a Participant makes a payment (via cash, wire transfer, check, payment processor, etc.) to TelexFree in satisfaction of an invoice.
- **Direct Receipt:** Transactions in which a Participant receives a payment from TelexFree or payment processor.
- **Triangular Payment:** Transactions in which a recruiting Participant satisfies the membership fee for a newly recruited Participant using the recruiting Participant's accumulated Credits.
- **Triangular Receipt:** Transactions in which a recruiting Participant is assumed to have received cash from a newly recruited Participant in exchange for using his or her accumulated Credits to satisfy an invoice for the newly recruited Participant.

64. In addition to these four primary transaction types noted in the now-excluded Martin Report, I understand the Net Equity Calculation also includes two other types of transactions: (i) chargebacks; and (ii) manual/purchased Credits. Chargebacks relate to bank or credit card refunds (“Chargebacks”) while manual Credits, or purchased Credits as they are referred to in the Huron Data Tables, relate to instances where a participant paid TelexFree directly or through a bank or merchant to purchase system Credits (“Purchased Credits”).<sup>64</sup>

65. More specifically, Purchased Credits represent Credits issued to User Accounts unrelated to the purchase of a membership plan and not a result of the placement of advertisements or other components of the compensation scheme. Although I understand that the Trustee alleges that significant amounts of Purchased Credits were issued without consideration, I understand there were other instances in which Purchased Credits were issued to User Accounts in exchange for

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<sup>63</sup> Martin Report at 11-12; and Huron TelexFree Analysis of Damages Presentation at 33-35.

<sup>64</sup> Telexfree Net Equity Calculation and Aggregation.pdf; Huron TelexFree Analysis of Damages Presentation at 33-35.

cash payments to TelexFree.<sup>65</sup> As such, Purchased Credits were excluded from the Net Equity Calculation by Mr. Martin unless SIG indicated that a payment was made to a banking institution or via cashier's check, or the value was below \$20,000.<sup>66</sup>

66. There were also exchanges of Credits between User Accounts unassociated with the issuance and satisfaction of TelexFree invoices ("Credit Transfers").<sup>67</sup> These Credit Transfers have also been excluded from the Net Equity Calculation by Mr. Martin, and thus the Trustee.

67. The results by Net Winner and Net Loser based upon Mr. Martin's Net Equity calculation in conjunction with Dr. Freer's Aggregation Process are summarized below.<sup>68</sup>

Participant Type	User Accounts	Participants	Total Net Equity
Net Loser	9,150,955	1,484,702	(\$1,782,171,730)
Net Winner	1,836,662	81,681	\$1,555,981,482
TOTAL	10,987,617	1,566,383	(\$226,190,248)

68. For comparison purposes, the table below the results by Net Winner and Net Loser based upon Mr. Martin's Net Equity calculation in conjunction with Mr. Martin's Aggregation Process.<sup>69</sup>

Participant Type	User Accounts	Participants	Total Net Equity
Net Loser	9,196,914	2,042,027	(\$1,809,367,883)
Net Winner	1,790,703	95,052	\$1,583,177,635
TOTAL	10,987,617	2,137,079	(\$226,190,248)

## VI. SUMMARY OF OPINIONS

69. I have assessed the methodologies set forth in the Freer Report and Martin Report relative to: (i) the Freer Aggregation Process; and (ii) the Martin Net Equity Calculation for Participants,

<sup>65</sup> Motion for Entry of Order that Debtors Engaged in Ponzi Scheme at 10-11; Huron TelexFree Analysis of Damages Presentation at 34; and Telexfree Net Equity Calculation and Aggregation.pdf at 2.

<sup>66</sup> Huron TelexFree Analysis of Damages Presentation at 34; and Telexfree Net Equity Calculation and Aggregation.pdf at 2. (I am not aware of any analysis performed by Mr. Martin relative why a \$20,000 threshold was selected.)

<sup>67</sup> Motion for Entry of Order that Debtors Engaged in Ponzi Scheme at 10-11.

<sup>68</sup> Freer Report, Exhibit 5. Also, see **Exhibit 3**.

<sup>69</sup> Query of the Huron Data Tables. Also, see **Exhibit 3**.



and specifically Net Winners. While I address each of the methodologies separately below, both the Freer Aggregation Process and the Martin Net Equity Calculation contained flawed assumptions that render Dr. Freer's and Mr. Martin's, and ultimately the Trustee's, conclusion regarding the Net Equity amounts supposedly won or lost by a given TelexFree Participant to be unreliable.

70. Relative to the Freer Aggregation Process, key considerations include:

- The Freer Aggregation Process is predicated on Dr. Freer's "understanding" that "it was common practice for recruits to use their own name while using the contact information...of their recruiters, or for family members to share the same contact information, or for a business and individual to share the same contact information,"<sup>70</sup> and as such he required "that any two User Accounts under consideration for possible linkage have at least fairly similar name."<sup>71</sup> However, this understanding is entirely unsupported and counter to real-world case facts. The Court in this matter has already excluded Mr. Martin for making the same assumption without adequate support. Specifically, the Court stated "I conclude that Mr. Martin has not shown that the name field data is sufficient to support his opinion that user accounts should be aggregated primarily by using that data for the purposes of determining who the net winners are and the extent of their liability...[h]e has not shown that his assumptions about the name field data's accuracy are reasonable and not speculative."<sup>72</sup> Further, Dr. Freer does not appear to have specifically considered, let alone tested, the accuracy of the Name Field on which he relies so heavily despite the Court's ruling, and the fact that accuracy is one of the most important dimensions of data quality according to his own citations.
- With respect to the accuracy and consistency of the Potential Identifiers based on the facts of this case, I have also not seen any meaningful evidence that TelexFree had internal controls in place during the registration of a User Account that would have prevented a Participant from entering different variations of their name or a name other than their own, such as spouse's name, family member name, business name, colleague/employer name, or some fictitious, erroneous, or arbitrary combination of numbers, letters, or punctuation. Moreover, Participants sometimes worked in teams, entering User Account information on behalf others, including on shared computers subject to autocomplete. And, importantly, the question of how accurately (or inaccurately) and consistently (or inconsistently) Participants entered the name or any other identifying information across their User Accounts simply cannot be answered by the TelexFree Account data alone, and would almost certainly vary from Participant to Participant. As a result, utilizing an Aggregation Process that requires Participants to have reasonably accurately or consistently entered the same or similar names in

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<sup>70</sup> Freer Report at 2.

<sup>71</sup> Freer Report at 25.

<sup>72</sup> Martin Decision at 22.

every instance across all their User Accounts (which could number in the thousands) is unreliable and counter to the facts of this case.

- The results of the Freer Aggregation Process are inconsistent with his stated methodology and requirements. For example, as one of his primary tenets, Dr. Freer states “[b]ecause of the special role that the Name Field plays in the TelexFree dataset..., it is important that no pairs of account groupings that substantially disagree on the name end up matched together.”<sup>73</sup> However, there are numerous examples of User Accounts with completely different names that end up grouped under the same Participant according to Dr. Freer. (e.g., Alex Lopes and Jean Carreiro, and Flor M Florido and L & L Home Improvement). Similarly, Dr. Freer states “[o]nly when the names in the TelexFree dataset are near enough...and there are other markers of agreement (such as a matching email address, cell phone number, etc.), should these two User Accounts be treated as belonging to the same Participant and should be aggregated.”<sup>74</sup> Once again, there are numerous examples of User Accounts that share no meaningful overlap in Aggregation Fields other than name that the Freer Aggregation Process grouped under the same Participant.
- Manual review of Account Aggregations and ePOC data suggests numerous instances of potential under- and over-aggregation. Even the singular example cluster included within the Freer Report appears to contain aggregation issues. This is highly problematic as a single missed link has the ability to (and often did) dramatically impact the Net Equity associated with Participants.
- As part of his scope of engagement, Dr. Freer was asked to “develop an aggregation methodology that creates one ‘cluster’ of User Accounts for each Participant.” Instead, Dr. Freer performed a purely mathematical exercise that attempts to link together User Accounts that have similar characteristics, and specifically where there is substantial agreement on the values in the Name Field. However, such an approach fails to appropriately consider instances where the resulting Clusters may actually relate to more than one Participant, or where a Participant may relate to more than one Cluster. For example, in his deposition, Dr. Freer explicitly states, “[w]hen the name differs substantially, whether it’s the same person or not that entered the accounts, that entered that information, when the name differs substantially, my understanding is those are to be considered as separate clusters.” However, the Court in this case already specifically defined Participant as a “person” who purchased a membership plan or VoIP Package in TelexFree, not a “cluster” of User Accounts with similar values in the Name Field. As such, to the extent that the ultimate purpose of Dr. Freer’s analysis is a quantification of the supposed net funds received by each TelexFree Participant that comprises the Net Winner Class, Dr. Freer’s analysis fails to accomplish this goal absent additional expert analysis. This was also confirmed by Dr. Freer in his deposition where he acknowledged “I’m not aggregating accounts to persons period. I’m aggregating

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<sup>73</sup> Freer Report at 51.

<sup>74</sup> Freer Report at 25.

accounts to other accounts in clusters. The assignment to persons is a different thing that might come later.”

71. Relative to Mr. Martin’s calculation of Net Equity, key considerations include:

- There is no discussion in the Martin Report regarding why Triangular Transactions are included within the determination of Net Equity, but Credit Transfers are excluded when both appear to be substantively similar from a real-world (i.e., cash-based) perspective.
- To the extent any uncertainty exists regarding if, or how much, cash was exchanged as part of Credit Transfers, then such uncertainty necessarily extends to Triangular Transfers, given that the SIG database does not provide evidence of cash payments for either transaction type. This internal inconsistency within the Net Equity Calculation between the treatment of Credit Transfers and Triangular Transactions results in an unreliable Net Equity value.
- A foundational assumption of the Net Equity Calculation is that the Credit values recorded within SIG for Triangular Transactions (and/or Credit Transfers) are “typically” reflective of the amount of cash that was exchanged between Participants. However, the facts in this case suggest that in practice Participants transacted at amounts that could vary greatly, and sometimes at significant discounts, from the amount of Credits shown in SIG due to factors such as specific business arrangements, competition between Participants, or collection issues from new recruits. I understand that certain Participants also worked as part of larger teams with profit-sharing arrangements. Cash payment amounts could be waived, deferred, or borrowed and never repaid. None of this real-world activity is reflected in the SIG data on which Mr. Martin and the Trustee rely, and as a result the Net Equity Calculation can differ greatly from the net amount actually invested and received by Participants.

## VII. ANALYSIS AND FINDINGS

### A. The Freer Aggregation Process is Unreliable

#### i. Dr. Freer’s Foundational Assumptions Regarding the Special Role of the Name Field is Unsupported and Counter to Case Facts

72. For the Trustee to determine whether a given Participant was a Net Winner or Net Loser, it was first necessary for the Net Equity associated with the one or more underlying User Accounts to be combined into a single Account Aggregation for the Participant that was the financial beneficiary in a complete and accurate manner.

73. In his attempt to accomplish this task, Dr. Freer primarily relied upon a Probabilistic Record Linkage process, and applied it to the User Account information that was entered by

Participants, as reflected in the TelexFree *representante* table (i.e., Account Table).<sup>75</sup> And, according to Dr. Freer, of all the 44 fields in the Account Table, the Name Field (i.e., rep\_nome) supposedly plays a “special role.” Specifically, he states:<sup>76</sup>

Because of the pyramid nature of TelexFree’s scheme, Participants often recruited friends and relatives into the scheme. **My understanding** of the TelexFree scheme is that, in the course of User Account creation, it was common practice for recruits to use their own name while using the contact information (email address, phone number, street address, and other fields) of their recruiters, or for family members to share the same contact information, or for a business and an individual to share the same contact information. **(emphasis added)**

74. This “understanding,” which appears as Introductory Paragraph 5 to the Freer Report, is of paramount importance. It is foundational to the entirety of the Freer Aggregation Process, as described in the Freer Report:<sup>77</sup>

Only when the names in the TelexFree dataset are near enough (in the sense of string nearness; see Section II.A.3), say “Alice Adams” and “Alice Addams”, and there are other markers of agreement (such as a matching email address, cell phone number, etc.), should these two User Accounts be treated as belonging to the same Participant and should be aggregated. Accordingly, **in the aggregation methodology, we require that any two User Accounts under consideration for possible linkage have at least fairly similar name.** **(emphasis added)**

75. Thus, if Dr. Freer’s assumption regarding the Name Field is found to be inaccurate, it would render the entirety of his analysis unreliable. Despite the critical importance placed on the Name Field, Dr. Freer provides neither a source for this “understanding” nor any meaningful support elsewhere in his report. However, when asked in deposition about the basis for this “understanding,” Dr. Freer stated:<sup>78</sup>

Generally, the court documents, including primarily, I believe the court’s memorandum from June 2021 and possibly from the Martin report or Dennis rebuttal or Martin reply.

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<sup>75</sup> Freer Report at 22 and 37 (“The aggregation methodology developed by Borelian, under my direction, is mainly probabilistic in its approach because it is necessary to have a probabilistic step in the aggregation methodology to account for near-misses in data field matching, to assign partial credit for various fields based on these near-misses, and to account for all of this information when forming clusters.”).

<sup>76</sup> Freer Report at 2.

<sup>77</sup> Freer Report at 24-25.

<sup>78</sup> Freer Deposition at 130-131.

76. As an initial observation, I do agree that Dr. Freer's assumptions regarding the Name Field are consistent with (and as equally flawed as) the assumption made previously by Mr. Martin, who very similarly stated:<sup>79</sup>

**After a thorough review of the data, the Team selected the full name of the Participant as a starting point.** Because Participants could receive Direct Receipts from TelexFree, it is reasonable to assume that a Participant would include an accurate name when registering a User Account. Additional fields were selected based on the likelihood that their inclusion, combined with other fields, would accurately aggregate User Accounts by Participants. **(emphasis added)**

77. To the extent that Dr. Freer's understanding regarding the Name Field is wholly or partially based upon Mr. Martin, such reliance is unfounded. Whereas Mr. Martin at least tried to provide a rationale – albeit fatally flawed as evidenced by his exclusion by the Court – Dr. Freer makes no such attempt. In fact, Dr. Freer appears to concede this point stating “[w]hile many Participants created multiple User Accounts, some Participants at times entered information that was inconsistent across their various User Accounts.”<sup>80</sup> In his subsequent example, Dr. Freer describes two User Accounts opened by the same Participant that may have entered different email addresses but provides no evidence or support addressing why potential inconsistency would not extend to the Name Field as well.

78. By way of comparison, while the value in Name Field appears to have played no meaningful role in the actual operation of a User Account, the email address was how TelexFree contacted Participants, and thus could potentially be more representative of the Participant. For example, the Martin Report on this topic states:<sup>81</sup>

Email address was selected because TelexFree records, such as invoices, were sent to the email addresses associated with the User Accounts. Therefore, Participants were presumed to more likely provide accurate email addresses than most other data.

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<sup>79</sup> Marin Report at 16.

<sup>80</sup> Freer Report at 1.

<sup>81</sup> Martin Report at 16-17.

79. Furthermore, with respect to the Court’s memorandum from June 2021 (i.e., the Martin Decision), the Court carefully explained over the course of ten pages why such an assumption regarding the Name Field is at best unreliable absent clear evidentiary support, stating:<sup>82</sup>

Having concluded that fields would need to be used in some combination, Mr. Martin asserted that he “considered name...to be the most important variable.” Martin Tr. 67:23-68:1, 222:19-20. Yet, **he has offered only unsupported assumptions and untestable bases for why he selected the name field, despite its acknowledged flaws, above all other fields to be the primary focus in his aggregation process.** See also Martin Tr. 222:21-24 (agreeing that “if name didn’t mean as much to...a particular user, that could skew the results of an aggregation”).

As noted, for an expert witness’s opinion testimony to be admissible, it must be “based on sufficient facts or data.” Fed. R. Evid. 702(b). Given actual and potential data quality and reliability issues discussed above, the defendants assert that, having selected the name field as his starting point and constant, Mr. Martin relied upon insufficient facts or data to support his expert opinion that user accounts should be aggregated primarily by using data from that field to determine the identity of individual net winners and the extent of their net winnings. See Defs.’ Mot. 13-15. As also noted, an expert witness’s opinion testimony must be based upon reliable principles and methods and the reliable application of such principles and methods. Fed. R.Evid. 702(c)-(d). Defendants suggest that Mr. Martin’s process of selecting the name field as his starting point and constant does not meet either of these requirements for admissibility of his expert opinion. See Defs.’ Mot. 15-16.

Given the issues identified above, **I conclude that Mr. Martin has not shown that the name field data is sufficient to support his opinion that user accounts should be aggregated primarily by using that data for the purposes of determining who the net winners are and the extent of their liability. He has not shown that his assumptions about the name field data’s accuracy are reasonable and not speculative.** He effectively conceded that his initial assumption about participant behavior lacked support. He failed to support his additional assumptions with any reference to the actual data. His own statements and concessions about the name field data’s quality issues, along with his failures to show that his efforts to address those issues were well-reasoned, all undermine his position that such data is sufficient to support his opinion. Further, Mr. Martin has offered almost no concrete information about the principles and methods that he used and how he used them to select the name field as his starting point and constant. With no documentation or detailed explanation of his efforts, there is no practical ability to objectively review the reliability of Mr. Martin’s analytical techniques. For admissibility, it is not enough for an expert simply to provide his conclusions, he must also show his work so that its reliability, including its

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<sup>82</sup> Martin Decision at 13-22.

adherence to accepted practices in the relevant field, can be meaningfully reviewed. While I need not for purposes of the current dispute conclude that Mr. Martin's selection and use of the name field as a starting point and constant were correct or incorrect, **I must and do conclude that Mr. Martin has not shown the requisite reliability of his selection and use of the name field, which formed the basis of his opinion. (emphasis added)**

80. Given that the Court already rejected Mr. Martin's explanation on this issue, it is unclear why Dr. Freer now believes the Court's decision somehow supports his "understanding" when in fact it does precisely the opposite.

81. As for the Initial Dennis Report, Dr. Freer appears to ignore its express purpose, which was described in the Initial Dennis Report as:<sup>83</sup>

[O]ne of the factors likely driving what appears to be under-aggregation in certain instances, is the disconnect between the Aggregation Algorithm's requirement that the names be the same or similar across every Participant User Account and the reality that Participants could create User Accounts using a variety of names, such as business name, personal name, or even fictional names. This reliance on consistent naming fails to appropriately account for instances where other Potential Identifiers provide strong indicia that the User Accounts potentially belong to a single Participant.

82. As such, the Initial Dennis Report, as well as the various examples contained therein, are counter to, not in support of, the notion that distinct Participants consistently entered the same or substantially similar names.

83. With respect to the limited additional discussion by Dr. Freer on why he believes the Name Field to be the same or substantially similar across all of a Participant's User Accounts, he states:<sup>84</sup>

In a typical user-account dataset, email addresses and phone numbers are unique to an individual. However, this is often not the case in the TelexFree dataset. As described in Paragraph 5, a major source of complexity with the TelexFree dataset is the prevalence of User Accounts that contain different names, but the same email address, phone number, address, etc.

As a result, the Name Field (rep\_nome) in the TelexFree dataset gains a special meaning that it might not have in another dataset. In particular, it is the *only true differentiator* of Participants – if User Accounts A and B match in all other fields (email address, cell phone number, etc.) but A's Name Field is quite different from

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<sup>83</sup> Initial Dennis Report at 27.

<sup>84</sup> Freer Report at 24-25.

B's Name Field (say, "Alice Adams" and "Bob Baker"), then these User Accounts should be treated as belonging to different Participants and should not be aggregated.

84. As purported support for this assertion, Dr. Freer's cites the Initial Dennis Report (already discussed above) and the affidavits for Frantz Balan and Lusette Balan.

85. Once again, these Affidavits refute rather than support Dr. Freer's understanding. The Affidavit of Lusette Balan confirmed that she had "no involvement in Telexfree" despite her name appearing in multiple User Accounts, and which was further discussed in the Affidavit of Frantz Balan:<sup>85</sup>

There are numerous other accounts that were set up by me or team members working with me that were not in my name but that use my personal email address and are aggregated to someone else. **For example, the Trustee has aggregated several accounts to my wife, Lusette. This is incorrect because my wife Lusette had no personal involvement with TelexFree.**

Similarly, there are accounts that I did not set up or in any way operate that are aggregated to me, even though they use a different email, street address, or username. Some of those accounts use email address that do not belong to me, such as vjmanigat@gmail.com.

Based on my understanding of the Trustee's aggregation model, I believe the Trustee does not understand that many participants worked in teams, which had shared goals of member recruitment in order to earn money. The Trustee assumes everyone worked alone...

There are a number of reasons why the information used to make the aggregations is unreliable.

First, within my team, everyone's basic personal information like name, address, and phone number was known, so anyone could put an account in someone else's name.

Second, shared computers allowed users to "autocomplete" fields, so even if someone used the computer in our office to setup TelexFree accounts, they could use the autocomplete to enter my information without me necessarily knowing about it or using the account...

Third, there were financial incentives for people to set up accounts that appeared to be someone different, even if you were using the account. This included the

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<sup>85</sup> Affidavit of Frantz Balan, July 30, 2020 ("F. Balan Affidavit") at 3-5; and Affidavit of Lusette Balan, July 29, 2020 at 2.



basic rule that you could not “recruit yourself,” meaning that your downlines need to be different people. **(emphasis added)**

86. These affidavits represent real-world examples and directly contradict, rather than support, Dr. Freer’s fundamental assumption that the Name Field “is the *only true differentiator*.”<sup>86</sup> I also note that Dr. Freer continued to aggregate User Accounts to Mr. Balan that have the email address “vjmanigat@gmail.com” despite Mr. Balan’s confirmation that these accounts did not belong to him. Further, Mr. Balan offers an explanation for Dr. Freer’s observation regarding the prevalence of User Account that “contain different names, but the same email address, phone number, address, etc.”<sup>87</sup> (e.g., people working in teams and/or with shared computers).

87. Dr. Freer has not provided any alternative real-world explanation as to why Participants, when creating User Accounts, supposedly always entered the same or substantially similar names in the Name Field, but frequently elected to utilize inconsistent or inaccurate information when entering every other field - opting instead to use the contact information of friends, relatives, or even fictitious, erroneous or arbitrary combinations of numbers, letters, or punctuation.

88. The Court already made it clear that an Aggregation Process founded simply on the unsupported “understanding” that Participants consistently entered the same or substantially similar names across all of their User Accounts is insufficient. Yet, Dr. Freer failed to provide any meaningful support demonstrating why such an understanding is grounded in fact, which renders his Aggregation Process, similar to Mr. Martin’s, unreliable for determining Net Equity.

ii. Dr. Freer Failed to Appropriately Consider the Quality of the Data Utilized in His Aggregation Process

89. Regardless of the approach to record linkage selected (e.g., deterministic, probabilistic, hybrid), Dr. Freer states “it is crucial to assess the quality of the data in each field” and “select fields to be used for linkage based on data quality.”<sup>88</sup>

90. Further to this point, Dr. Freer describes four dimensions of data quality:<sup>89</sup>

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<sup>86</sup> Freer Report at 24-25.

<sup>87</sup> Freer Report at 24.

<sup>88</sup> Freer Report at 5-6.

<sup>89</sup> Freer Report at 7.

The goal of data quality assessment is to identify fields that are of sufficiently high quality for reliably assessing pairwise matches. The dimensions relevant to data quality include **completeness** (how often the field values are present vs. missing), **consistency** (how consistent the values used for matching are), **accessibility** (inclusion of different kinds of nonoverlapping fields such as name, address, phone, email, etc.), and **believability** (how credible or plausible the actual values are). (**emphasis added**)

91. As support for this statement, Dr. Freer cites Section 3.1 of “Data Matching, Data-Centric Systems and Applications” by Peter Christen (the “Christen Text”). However, Section 3.1, entitled Data Quality Issues Relevant to Data Matching lists six dimensions to data quality, not four. Notably absent from Dr. Freer’s consideration are:<sup>90</sup>

- *Timeliness*: How old are the data available. For the matching of two databases, have the data been recorded at the same time or not? This can be a crucial factor to a successful matching because personal information, such as people’s addresses, telephone numbers, and even names, change over time. If the data to be matched have been recorded at different points in time then this needs to be taken into account during the matching process.
- *Accuracy*: How accurate are the attribute values in the database(s) used for matching or deduplication? Is it known how the data have been entered or recorded? Have data entry checks been performed, and have the data been verified for correctness using external reference data (such as references of known and valid addresses)?

92. It is unclear whether Dr. Freer’s omission of these two data quality dimensions from his report was intentional, but both dimensions are relevant in this case.

93. With respect to *timeliness*, User Accounts were created over the period of approximately February 2012 through April 2014.<sup>91</sup> As such, during this more than two-year period, it is possible that identifying information for certain Participants could have changed, including name.

94. With respect to *accuracy*, the Christen Text states that it, along with consistency, are arguably the most important data quality dimensions for data matching and deduplication.<sup>92</sup> Further, the text suggests one should consider how the data was recorded, whether data entry checks were performed, and whether the data was verified using external references.

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<sup>90</sup> Section 3.1 of P. Christen, Data Matching, Data-Centric Systems and Applications, Springer-Verlag, 2012.

<sup>91</sup> This time range reflects the minimum and maximum dates shown in the rep\_data\_cad field (i.e., User Account creation date) per the *representante* table. Also, see Freer Report at 31.

<sup>92</sup> Section 3.1 of P. Christen, Data Matching, Data-Centric Systems and Applications, Springer-Verlag, 2012.

95. In this case, with respect to how the data was recorded, it was generally inputted manually by millions of individuals worldwide through a website-based registration form. I have not seen any evidence regarding whether this webform was (i) consistently in English or Portuguese; (ii) to if and when the language may have changed over time; or (iii) if the Participant had the ability to manually select the language.<sup>93</sup> As such, there was the potential for language barriers as part of the input process for certain Participants. Also, as discussed above, Participants sometimes worked in teams, entering User Account information on behalf others, including on shared computers subject to autocomplete.<sup>94</sup>

96. With respect to data entry checks, I am not aware of any internal controls that took place during the registration of a User Account that would have validated or confirmed a name, or prevented a Participant from entering a fictitious, erroneous or arbitrary combination of numbers, letters, or punctuation in place of a name.<sup>95</sup>

97. This does not support the notion that either the Participant's name or the remainder of the TelexFree Account table on which Dr. Freer relies had a high degree of accuracy, an important dimension of data quality according to Dr. Freer's own citations.

98. The Court also explicitly emphasized the need for an independent assessment of data accuracy, and particularly the Name Field, stating:<sup>96</sup>

I conclude that Mr. Martin has not shown that the name field data is sufficient to support his opinion that user accounts should be aggregated primarily by using that data for the purposes of determining who the net winners are and the extent of their liability. **He has not shown that his assumptions about the name field data's accuracy are reasonable and not speculative. (emphasis added)**

99. I also note that in his deposition Dr. Freer explicitly states that he "didn't make as, formal, a separate assessment" of *accuracy* and instead "completeness, consistency, and believability have to do with accuracy and those I assessed in detail."<sup>97</sup> However, using these other three dimensions of data quality as a proxy for or indicia of *accuracy* is unfounded, as Dr. Freer subsequently

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<sup>93</sup> See e.g., Martin Decision at 12.

<sup>94</sup> See e.g., F. Balan Affidavit at 3-4.

<sup>95</sup> See e.g., F. Balan Affidavit at 4-5.

<sup>96</sup> Martin Decision at 22.

<sup>97</sup> Freer Deposition at 106.

admitted stating “it’s certainly possible to have complete data that is not accurate, or consistent data this is not accurate, or believable data that is not accurate.”<sup>98</sup>

100. Further, with respect to the *believability* dimension of data quality, Dr. Freer states that the “dataset is also generally rather believable, despite a small portion of exceptions (due to garbage like ‘11111’ or value like ‘Mickey Mouse’).”<sup>99</sup> He then points to a list of 471 names associated with just a single Cluster, which he states reflects “a visual illustration of the general quality of the dataset.”<sup>100</sup> Dr. Freer provides no discussion regarding if or how this single Cluster, presumably selected at his own discretion, is representative of the entire dataset.

101. In fact, there are approximately 2,400 unique names associated with more than 200,000 separate User Accounts where the name entered by the user is less than 4 characters.<sup>101</sup> Of these, the vast majority (i.e., over 2,300 names) are Net Losers, the losses of which total more than \$11.4 million.<sup>102</sup> Examples include the following:

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<sup>98</sup> Freer Deposition at 128.

<sup>99</sup> Freer Report at 24.

<sup>100</sup> Freer Report at 24 and Exhibit 3.

<sup>101</sup> Queries of the Freer and Huron Data Tables.

<sup>102</sup> Queries of the Freer and Huron Data Tables.

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Full_Name	# of User Accounts	Aggregate Net Loss
l l	40,687	(\$2,063,193)
. .	36,498	(\$1,986,986)
a a	30,363	(\$1,551,269)
.	8,329	(\$535,314)
q q	5,339	(\$278,741)
W W	3,191	(\$161,427)
c c	3,009	(\$151,197)
m m	2,077	(\$108,882)
x x	2,166	(\$108,732)
d d	2,021	(\$102,095)
l l	1,966	(\$98,403)
Jo	1,849	(\$92,354)
A B	1,770	(\$89,421)
0 0	1,667	(\$84,082)
k k	1,512	(\$76,497)
s s	1,455	(\$72,954)
j	1,328	(\$68,650)
j j	1,298	(\$65,619)
p p	1,242	(\$62,076)
f f	1,171	(\$59,481)
, ,	1002	(\$59,243)
l	830	(\$44,638)

102. Additionally, based on my review of the Account Table, I also observed usernames with more than four more characters that are as equally inaccurate. For example, there are over 125,000 TelexFree User Accounts that consist entirely of numerical values, punctuation, or spaces (i.e., no letters), such as “.....” or “398985 9849348”.<sup>103</sup>

103. Dr. Freer performs a similar analysis stating:<sup>104</sup>

[N]early all of the name values contain strings consisting entirely of alphabetical characters or the symbols commonly found in names (period, comma, hyphen, space, or apostrophe) – as opposed to numbers or other symbols – which is an indication that the value is a legitimate name. Specifically, 97% of the name field values are both five characters or longer and contain only the characters described above.

<sup>103</sup> Based on query of the Account table. Also, see e.g., rep\_id 11655333 and 26451460.

<sup>104</sup> Freer Report at 26.

104. Additionally, Dr. Freer performed a manual review of just 300 Name Field values from this remaining population, or 0.0028% of remaining User Accounts with Name Field values that are both five characters or longer and contain only the characters commonly found in names.<sup>105</sup> Based on this review, he concludes that 98% “look[ed] like a name.”<sup>106</sup> While the Freer Report provides no explanation as to what precisely it means to “look like a name,” Dr. Freer in his deposition elaborated on this point confirming that “Mickey Mouse” would not have looked like a name to him but “Barack Obama” would have,<sup>107</sup> despite the fact that it’s likely both are inaccurate.

105. Taken together, Dr. Freer estimates that in 95% of the User Accounts, the value of the rep\_nome field appears to be a name.<sup>108</sup> Assuming the denominator in his percentage is the 10,987,617 User Accounts attributable to TelexFree and associated with at least one paid invoice, this means, by Dr. Freer’s own admission, there are over 500,000 User Accounts that do not appear to contain a name in the Name Field.

106. Considering just the approximately 170,000 User Accounts that had at least one number in the Name Field and didn’t appear to reflect a business,<sup>109</sup> this accounts for approximately \$2.3 million in winnings from User Accounts with positive net equity and \$11.0 million in net losses from User Accounts with negative net equity.<sup>110</sup>

107. As such, this does not support the notion that either the Name Field or the remainder of the TelexFree Account Table is “generally rather believable.” This is particularly important when considered in the appropriate context, which is the potential impact on a single Participant, not the entire population of Participants.

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<sup>105</sup> Calculated as  $300 / (97\% \times 10,987,617)$ . 10,987,617 is the number of User Accounts attributable to TelexFree and associate with at least one paid invoice. Also, see Freer Report at 26.

<sup>106</sup> Freer Report at 26.

<sup>107</sup> Freer Deposition at 111-112.

<sup>108</sup> Freer Report at 25-26.

<sup>109</sup> Business were assumed to be any names that included the following: inc, corp, llc, trust, ltd, consult, service, enterprise or .com

<sup>110</sup> Queries of the Freer and Huron Data Tables.

108. In terms of *consistency*, Dr. Freer contends that this dimension is “generally high” for eight of the Aggregation Fields (including name), albeit with “occasional variation.”<sup>111</sup> Yet, he provides little in the way of support for this contention. This is particularly true as it relates to Dr. Freer’s most critical Aggregation Field, the Name Field associated with the User Account. On this issue, Dr. Freer simply states:<sup>112</sup>

It is worth noting that while it may turn out that a name is made up (such as “Mickey Mouse”), this itself is not a critical issue for data aggregation. The relevant issue for aggregation is whether the values in the field support the matches, not whether or not the values in the field reflect the true name. Even when a Participant uses a pseudonym that is totally unrelated to their real name, **it is possible to successfully aggregate their User Accounts if (a) they use the pseudonym consistently, and (b) not too many other Participants use that same pseudonym without including different information in other fields.** In the best case scenario, the true identity of the Participant can, at a later time, be ascertained from the other indicia; in the worst case scenario, the Participant will never be identified, but their records do not contaminate the rest of the aggregation. **(emphasis added)**

109. This statement appears to imply is that *accuracy* and *believability* of the Name Field are of lesser importance to the Freer Aggregation Process, as long as there is *consistency* in the name used by a given Participant across all of their User Accounts, and the remaining Aggregation Fields provide sufficient differentiation from other Participants. However, Dr. Freer poses this as an unsupported conditional “if then” statement, not a statement of fact confirmed through documentation or analysis. Dr. Freer even admits that the data lacked consistency, stating: “The TelexFree dataset presents an additional challenge due to the presence of heterogeneity: some Participants entered their information very consistently across many accounts, while other Participants, for a variety of reasons, entered information that differed more widely (e.g., name variants, typos, multiple email addresses or phone numbers, etc.).”<sup>113</sup>

110. Stated in the converse, if Participants did not enter names consistently or did not provide sufficient differentiation in other Aggregation Fields, which the case facts suggest was likely for certain Participants (especially large Net Winners), then it would not be possible for Dr. Freer to successfully aggregate their User Accounts. And, importantly, the question of how consistently

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<sup>111</sup> Freer Report at 24.

<sup>112</sup> Freer Report at 25.

<sup>113</sup> Freer Report at 64.

(or inconsistently) and accurately (or inaccurately) Participants entered the name or any other identifying information across their User Accounts simply cannot be answered by the TelexFree Account data alone, and would almost certainly vary from Participant to Participant. To this point, the Freer Deposition reads:<sup>114</sup>

Q. Did you make any determinations about the likelihood of data entry scenarios where information like name or any portion of contact information could be flipped between different users?

A. No, and at some level, it's impossible to tell certain things from the dataset itself. If you take a record and you write down all the fields and you tell me, "Person A did it versus Person B did it," of course, information is not in the dataset. I don't know from the dataset, period.

Q. You agree with me that you have at least some understanding that on certain occasions when a user entered data, they entered information that pertained to somebody else?

A. That is, yeah, I mean, as I describe in that paragraph, there's, in fact, several specific scenarios where my understanding was that kind of thing was likely to have happened.

111. To this point, Section 2.6 of the Christen Text is entitled Evaluation of Matching Quality and Complexing, and states:<sup>115</sup>

To evaluate the completeness and accuracy of a data matching project, some form of ground-truth data, also known as *gold standard*, are required. Such ground-truth data must contain the true match status of all known matches (the true non-matches can be inferred from them). However, obtaining such ground-truth data is difficult in many application areas. For example, when matching a large tax payers database with a social security database it is usually not known which record pair classified as a match refers to a real, existing individual who has a record in both databases. Only further investigation, such as checking extra data about the individual under consideration, or even contacting them, can help determine the truth about such a classified match.

A related problematic issue is the manual classification of potential matches through clerical review. It is often difficult to make a manual match or non-match decision with high confidence if the two records in a potential match pair contain several attribute values that differ from each other. Without further external information, a decision that was made manually might be wrong.

112. As discussed above, and even setting aside the potential issues with the *believability* and *accuracy* of the data, simply assuming without basis or support that a Participant *consistently* entered data, and critically the Name Field, into a webform sometimes thousands of times over is not a reliable basis for an Aggregation Process in this case. This is especially true when (i)

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<sup>114</sup> Freer Deposition at 132-133.

<sup>115</sup> Section 2.6 of P. Christen, *Data Matching, Data-Centric Systems and Applications*, Springer-Verlag, 2012.



TelexFree did not appear to have any substantive verification or internal controls process as part registering a new User Account, and (ii) Participants had little, if any, incentive to enter names (or any Potential Identifiers) accurately. Thus, without quality data as an input, as is the case here, Dr. Freer's output is equally unreliable. The Christen Text concisely explains this issue:<sup>116</sup>

For any type of data analysis, processing and management, the *garbage-in garbage-out* principle holds. If the quality of the input data is low, then the output generated is normally not a high quality or accuracy either.

iii. Dr. Freer's Results are Internally Inconsistent

113. As one of his primary tenets, Dr. Freer states "[b]ecause of the special role that the name field plays in the TelexFree dataset (see Section III.B.1 above), it is important that no pairs of account groupings that substantially disagree on the name end up matched together."<sup>117</sup>

114. Specifically, Section III.B.1 of the Freer Report states:<sup>118</sup>

[I]f User Accounts A and B match in all other fields (email address, cell phone number, etc.) but A's Name Field is quite different from B's Name Field (say, "Alice Adams" and "Bob Baker"), then these User Accounts should be treated as belonging to different Participants and should not be aggregated.

Only when the names in the TelexFree dataset are near enough (in the sense of string nearness; see Section II.A.3), say "Alice Adams" and "Alice Addams", and there are other markers of agreement (such as a matching email address, cell phone number, etc.), should these two User Accounts be treated as belonging to the same Participant and should be aggregated. Accordingly, in the aggregation methodology, we require that any two User Accounts under consideration for possible linkage have at least fairly similar name.

115. However, as discussed below, the results of the Freer Aggregation Process are internally inconsistent. As a first example, take his simple statement that "if User Accounts A and B match in all other fields (email address, cell phone number, etc.) but A's Name Field is quite different from B's Name Field...then these User Accounts should be treated as belonging to different Participants and should not be aggregated."<sup>119</sup> In fact, the Freer Aggregation Process does precisely

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<sup>116</sup> Section 3.1 of P. Christen, *Data Matching, Data-Centric Systems and Applications*, Springer-Verlag, 2012.

<sup>117</sup> Freer Report at 51.

<sup>118</sup> Free Report at 24-25.

<sup>119</sup> Freer Report at 24-25.

the opposite, as reflected in the User Accounts aggregated as Cluster 23118541 shown in the table below:<sup>120</sup>

cluster_id	rep_nome	rep_email	rep_numero	rep_end	rep_cidade	rep_pais	rep_fone	Sum of net_equity	Count of rep_id
23118541	A	(blank)	1485	Rua Jo	Xucarana	AF	689958478	\$ (1,047.90)	21
	B	(blank)	1485	Rua Jo	Xucarana	AF	689958478	\$ (12,125.70)	243
	C	(blank)	1485	Rua Jo	Xucarana	AF	689958478	\$ (13,572.80)	272
	D	(blank)	1485	Rua Jo	Xucarana	AF	689958478	\$ (7,634.70)	153
	F	(blank)	1485	Rua Jo	Xucarana	AF	689958478	\$ (5,189.60)	104
	H	(blank)	1485	Rua Jo	Xucarana	AF	689958478	\$ (948.10)	19
	J	(blank)	1485	Rua Jo	Xucarana	AF	689958478	\$ (54,590.60)	1,094
	K	(blank)	1485	Rua Jo	Xucarana	AF	689958478	\$ (1,097.80)	22
	L	(blank)	1485	Rua Jo	Xucarana	AF	689958478	\$ (12,075.80)	242
	M	(blank)	1485	Rua Jo	Xucarana	AF	689958478	\$ (11,676.60)	234
	N	(blank)	1485	Rua Jo	Xucarana	AF	689958478	\$ (10,429.10)	209
	P	(blank)	1485	Rua Jo	Xucarana	AF	689958478	\$ (6,586.80)	132
	R	(blank)	1485	Rua Jo	Xucarana	AF	689958478	\$ (3,293.40)	66
	S	(blank)	1485	Rua Jo	Xucarana	AF	689958478	\$ (7,684.60)	154
	T	(blank)	1485	Rua Jo	Xucarana	AF	689958478	\$ (8,932.10)	179
	V	(blank)	1485	Rua Jo	Xucarana	AF	689958478	\$ (6,736.50)	135
	Z	(blank)	1485	Rua Jo	Xucarana	AF	689958478	\$ (748.50)	15
	(blank)	(blank)	1485	Rua Jo	Xucarana	AF	689958478	\$ (12,075.80)	242
Grand Total								\$ (176,446.40)	3,536

116. As part of his Cluster 23118541, Dr. Freer has, in fact, aggregated User Accounts with name “A” and User Accounts with name “B” (along with other letters of the alphabet and even no name at all). This likely occurred because Dr. Freer removed the Name Field from consideration where it only contained a single character.<sup>121</sup> And, while Dr. Freer may have intended his “A” and “B” example in a purely hypothetical rather than literal sense, it still demonstrates an important point. In this example, Dr. Freer aggregates 3,536 User Accounts to a single Participant even though that supposed Participant inconsistently entered his or her name. This outcome is in direct contradiction to his own example and critically his assumption that name is the “only true identifier.”<sup>122</sup>

117. This example is also highly relevant when compared to other instances where a Participant may likely have entered a variety of “garbage” names, albeit with more than one character. In the

<sup>120</sup> See Exhibit 11.

<sup>121</sup> Freer Report at 46 (“For rep\_nome (name), the additional cleaning steps consist of: (a) replacing, by the empty string, any values of length 1.”).

<sup>122</sup> Freer Report at 24.

table below, these supposedly different Participants all share substantial commonalities, in whole or in part, other than a clearly fictitious name:<sup>123</sup>

cluster_id	rep_nome	rep_email	rep_end	rep_cep	rep_fone	Sum of net_equity	Count of rep_id
10758965	Team Legendary	billybob.arbonne@gmail.com	1	1	?	\$ (1,425.00)	1
			?	?	3477667668	\$ (1,425.00)	1
					?	\$ (2,101.50)	2
			123 main st	77007	3477667668	\$ (19,900.10)	14
			123 main st.	77007	3477667668	\$ (21,125.50)	15
		tommylin19@yahoo.com	?	?	?	\$ (14,832.40)	13
			123 main st	77007	3477667668	\$ (1,425.00)	1
	Team Legendary 10heimer	billybob.arbonne@gmail.com	123 main st	77007	3477667668	\$ (1,425.00)	1
	Team Legendary 11heimer	billybob.arbonne@gmail.com	123 main st	77007	3477667668	\$ (1,425.00)	1
	Team Legendary 12heimer	billybob.arbonne@gmail.com	123 main st	77007	3477667668	\$ (1,425.00)	1
	Team Legendary 13heimer	billybob.arbonne@gmail.com	123 main st	77007	3477667668	\$ (2,850.00)	2
	Team Legendary 15heimer	billybob.arbonne@gmail.com	123 main st	77007	3477667668	\$ (1,425.00)	1
	Team Legendary 16heimer	billybob.arbonne@gmail.com	123 main st	77007	3477667668	\$ (1,425.00)	1
	Team Legendary 17heimer	billybob.arbonne@gmail.com	123 main st	77007	3477667668	\$ (1,425.00)	1
	Team Legendary 18heimer	billybob.arbonne@gmail.com	123 main st	77007	3477667668	\$ (1,425.00)	1
10778683	Team Legendary	billybob.arbonne@gmail.com	?	?	?	\$ (1,025.80)	1
10787619	Team Legendary	peterkwongusa@yahoo.com	1	1	1	\$ (1,425.00)	1
			?	?	?	\$ (4,203.00)	4
	Team Legenday	billybob.arbonne@gmail.com	1	1	?	\$ 7,174.90	1
11089827	chin hao chang	billybob.arbonne@gmail.com	9080 telstar ave #302	91731	3477667668	\$ 18,824.40	1
12982273	X Legend X	billybob.arbonne@gmail.com	123 main st	77017	3477667668	\$ (1,425.00)	1
13328313	27legendary WC	billybob.arbonne@gmail.com	1337 legend ave	77007	3477667668	\$ (1,425.00)	1
14207003	Majestic Tia	billybob.arbonne@gmail.com	123 main st.	77077	3477667668	\$ (1,425.00)	1
14394871	Walt Disney	billybob.arbonne@gmail.com	123 main st	551166	1111111111	\$ (14,250.00)	10
			123 main st.	77007	3477667668	\$ 1,474.90	1
15341909	Agent hydralisk	billybob.arbonne@gmail.com	123 main st	77007	3477667668	\$ (11,350.10)	8
	Agent Hydralisk2	billybob.arbonne@gmail.com	123 main st.	77007	3477667668	\$ (1,425.00)	1
	Agent Hydralisk3	billybob.arbonne@gmail.com	123 main st.	77007	3477667668	\$ (1,425.00)	1
15744519	WI-FI Cindy	billybob.arbonne@gmail.com	123 main st.	77007	3477667668	\$ (1,425.00)	1
22032025	King Blizzard	billybob.arbonne@gmail.com	123 main st	0	3477667668	\$ (339.60)	1
23079231	Barack Obama	billybob.arbonne@gmail.com	123 main st.	0	1111111111	\$ (339.60)	1
23088735	why why not	billybob.arbonne@gmail.com	123 main st	0	1111111111	\$ (339.60)	1
23092685	glee 810	billybob.arbonne@gmail.com	123 main st	0	1111111111	\$ (339.60)	1
23104679	dark shadow	billybob.arbonne@gmail.com	123 main st	0	1111111111	\$ (339.60)	1
Grand Total						\$ (90,087.20)	94

118. Unlike the previous example where Dr. Freer was willing to aggregate different names, in this case, Dr. Freer treats these as 15 separate Participants. Such a distinction is arbitrary, however, and based on the number of characters in a string, not case facts or sound methodology. If a single Participant is willing and able to create multiple User Accounts with “A”, “B,” or “C” as the name, why is it any less likely that a single Participant created multiple User Accounts with “Barack Obama,” “Walt Disney,” or “Team Legendary” as the name?

119. And, extending this logic one step further, if a Participant is willing and able to use a range of fictitious names only limited by their creativity, why is it any less likely that a Participant (or someone on the Participant’s behalf) either intentionally or unintentionally entered other

<sup>123</sup> See **Exhibit 12**. I also note that these accounts share substantial similarity on Secondary Password.

inaccurate or inconsistent names across their various User Accounts, such as the name of friends, relatives, or businesses? This internal inconsistency provides further indicia of the flawed nature of the Freer Aggregation Process.

iv. The Results of the Freer Aggregation Process are Inconsistent with his Stated Methodology and Requirements

120. Dr. Freer explicitly states that “in the aggregation methodology, [he] require[d] that any two User Accounts under consideration for possible linkage have at least fairly similar name”<sup>124</sup> and that the Name Field was the “only true differentiator.”<sup>125</sup>

121. Dr. Freer further describes this requirement as follows:<sup>126</sup>

Because of the special role that the name field plays in the TelexFree dataset..., it is important that no pairs of account groupings that substantially disagree on the name end up matched together. I use blocking as a mechanism to accomplish this goal, by ensuring that the blocking set contains only pairs of account groupings with substantial agreement on name. In this way, only such pairs (i.e. those with substantial agreement on name) are even considered for potential linkage.

122. However, if this was indeed the intent of his Aggregation Process, then Dr. Freer’s results are inaccurate and inconsistent with his desired outcome.

123. For those names that Dr. Freer aggregated under a single Participant, see for example Cluster 119427, which includes the following unique names:<sup>127</sup>

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<sup>124</sup> Freer Report at 25.

<sup>125</sup> Freer Report at 24.

<sup>126</sup> Freer Report at 51.

<sup>127</sup> See **Exhibit 13**.

SUPPLEMENTAL REBUTTAL EXPERT REPORT OF JOSHUA W. DENNIS  
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cluster_id	rep_nome	rep_email	rep_end	rep_cidade	rep_pai	rep_fone	Sum of net_equity	Count of rep_id
119427	Alex de carvalho Lopes	carvalopes@gmail.com	Rua Prof* Renato Ribeir	Vitória	UY	552730262158	\$ (1,375.10)	1
	Alex Lopes	carvalopes@gmail.com	R Prof Renato Ribeiro d	Vitoria	UY	5527397852189	\$ (1,474.90)	2
	Edjane Carreiro	nay_justin@hotmail.com	Sw 10Ch Place	derfilldbeach	US	5613057841	\$ (49.90)	1
	Eliaavne Carreiro	may_justin@hotmail.com	Sw 10Th place	Deerfield Beach	US	5613057841	\$ (289.10)	1
	Elianevit40@gmail.com	elianevit40@gmail.com	Maplewood Av	Everett	US	17818445344	\$ (49.90)	1
	Eliane B Carreiro	elianevit40@gmail.com	elianevit31@hotmail.co	Boston	US	17818445344	\$ (975.00)	1
			Maplewood av	Boston	US	17818445344	\$ 515.40	1
				Everett	US	16175071974	\$ (2,990.00)	2
			maplewood ave	Boston	US	17818445344	\$ 710.00	1
			Rua Sao Jorge	Itaciba	US	2732868987	\$ (906.50)	1
		elianevit31@hotmail.com	Maplewood av	Boston	US	17818445344	\$ (149.70)	1
	Eliane B. Carreiro	elianevit40@gmail.com	43 maplewood ave	Boston	US	17818445344	\$ 16,875.74	1
						7818445344	\$ (199.60)	1
			43 maplewood ave,	Everett	US	17818445344	\$ 210,371.50	1
			Maplewood av	Boston	US	17818445344	\$ (1,351.00)	2
			maplewood ave	Boston	US	17818445344	\$ (1,975.00)	4
	Eliane Carreiro	elianevit40@gmail.com	maplewood av	Everett	US	17818445344	\$ (49.90)	1
			43 maplewood	Boston	US	17818445344	\$ 11,257.16	1
			43 maplewood av	Everett	US	7818445344	\$ (49.90)	1
						16179083340	\$ (49.90)	1
			Maplewood Av	Boston	US	16175071979	\$ (49.90)	1
			Maplewood av	2149	US	17818445344	\$ (249.50)	1
				Everett	US	17818445344	\$ (6,745.90)	8
						2732868987	\$ (149.70)	2
						16179083340	\$ (249.50)	1
						7817384710	\$ (1,445.10)	1
						16175071974	\$ (28,045.90)	53
						18578889783	\$ (99.80)	1
			maplewood ave	Boston	US	17818445344	\$ (49.90)	1
			Rua Sao Jorge	cariacica	BS	(27) 3286-8987	\$ (49.90)	1
					US	(27) 3286-8987	\$ (49.90)	1
				Itaciba	US	(27) 3286-8987	\$ 38,350.90	2
		elianevit31@hotmail.com	maplewood av	Everett	US	17818445344	\$ (199.60)	1
			43 maplewood av	Everett	US	2792290673	\$ (49.90)	1
			43 maplewood ave	Everett	US	16178422930	\$ (49.90)	1
						18573184245	\$ (49.90)	1
			Maplewood av	2149	US	17818445344	\$ (149.70)	2
				Everett	US	17818445344	\$ (848.30)	11
		elianevit40@gmail.com	Maplewood av	Everett	US	7818445344	\$ (49.90)	1
		Cleidesantos2273@hotma	Maplewood av	Everett	US	16175071974	\$ (99.80)	1
		may_justin@hotmail.com	4379 sw 10th place	Deerfield Beach	US	5613057841	\$ (49.90)	1
		felishapaz@gmail.com	Maplewood av	Everett	US	16175071974	\$ (149.70)	1
	jaqueline lopes	josehelber@gmail.com	.....	.....	US	18578882783	\$ (49.90)	1
	Jaqueline Lopes Carreiro	josehilber@gmail.com	121 main st	Everett	US	8578882783	\$ (5,700.00)	4
	Jean Carreiro	jelite2014@gmail.com	maplewood ave	Everett	US	8572461459	\$ (49.90)	1
			Maplewood ave.	Everett	US	8572461459	\$ (49.90)	1
			Maplewood Ave	Everett	US	8572461459	\$ (49.90)	1
	Jean de Paula Carreiro	carreirojean@hotmail.com	43 maplewood ave	Boston	US	18572461459	\$ (49.90)	1
	Jean P Carreiro	elianevit40@gmail.com	maplewood ave	Boston	US	18572461459	\$ (3,925.00)	7
			Maplewood Ave	Boston	US	18572461459	\$ (1,375.00)	1
	Jean P. Carreiro	elianevit40@gmail.com	43 maplewood ave	Boston	US	18572461459	\$ (1,375.00)	1
			Maplewood av	Boston	US	18572461459	\$ 112,639.20	1
	nael lopes	saminha_nunes@yahoo.c	.	Everett	US	.	\$ (49.90)	1
<b>Grand Total</b>							<b>\$ 327,228.50</b>	<b>140</b>

124. Manual review of the Name Field for this Cluster, which Dr. Freer contends is the “*only true differentiator*,”<sup>128</sup> suggests that he is potentially over aggregating at least five separate Participants: (i) Alex Lopes; (ii) Eliane Carreiro; (iii) Jacqueline Carreiro; (iv) Jean Carreiro; and (v) Nael Lopes. Even if comparing selected pairs of these names (or variations thereof) yields a high “similarity score” using Dr. Freer’s selected fuzzy matching approach, common sense suggests that these are likely not the same person. While each of the three Carreiros and two

<sup>128</sup> Freer Report at 24.

Lopeses may or may not be family members given they share the same last name, the first name clearly differs. And, taking the far ends of the Cluster, Alex Lopes and Eliane B. Carreiro share almost nothing in common with respect to name, let alone substantial agreement. In fact, review of the underlying data suggests Alex Lopes and Eliane Carreiro have no contact information in common whatsoever, with the former living Vitoria, Brazil and the latter in Everett, Massachusetts. This demonstrates a clear failure in the Freer Aggregation Process, as it is it stands in direct contradiction to his stated goal “that no pairs of account groupings that substantially disagree on the name end up matched together.”<sup>129</sup>

125. This issue with the Freer Aggregation Process likely lies, at least in part, with his clustering methodology. As a hypothetical, Group 1 may share some commonalities with Group 2, and Group 2 may share some commonalties with Group 3, and Group 3 may share some commonalities with Group 4, the result of which is the aggregation of Groups 1, 2, 3 and 4 together as a single Participant. The potential issue is that taken as a whole, Groups 1 and 4 may share nothing in common, including name.

126. On this point, Section 6.8 of the Christen Text addresses issues managing transitive closure of clusters stating:<sup>130</sup>

The transitivity of matches can also lead to problems in that ‘chains’ of records, where individual pairs are classified as matches, are formed. The records at the two ends of the chain can, however, be quite different from each other, and they would not be considered to correspond to a match.

127. Dr. Freer in his deposition further discusses the topic as follows:<sup>131</sup>

Whereas, in fact, there's heterogeneity in this dataset, where some parts of the dataset do look something like that, I wouldn't say "ideal situation" but easier-to-deal-with situation.

In other parts, there is a greater risk of chaining, as you were describing it. And, of course, if A is joined to B is joined to C is joined to D and so on, by reasonably high numbers, but A is not joined to Z at the end by reasonably high number, it would be bad to include A and Z at the same time.

128. These “bad” scenarios are clearly seen in the example discussed above relative to the User Accounts with last name Carreiro and Lopes, where any two specific names may have a relatively high nearness measure (e.g., Eliane Carreiro vs. Edjane Carreiro), but taken at the outer edges the

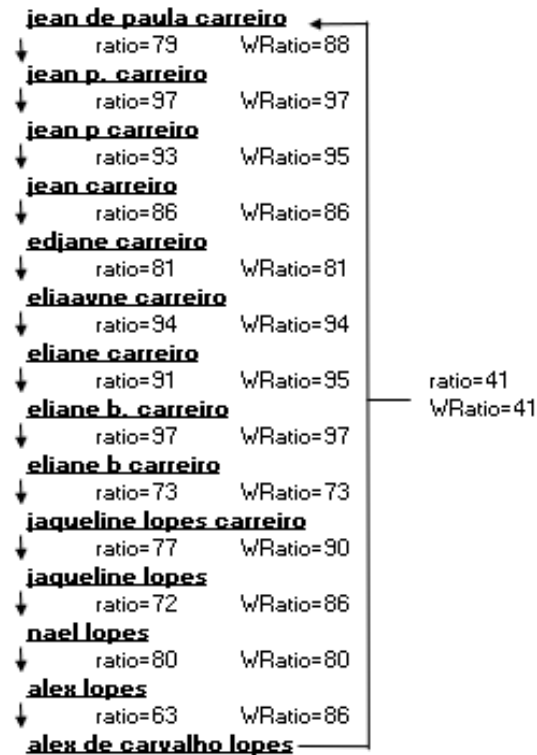
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<sup>129</sup> Freer Report at 51.

<sup>130</sup> Section 6.8 of P. Christen, Data Matching, Data-Centric Systems and Applications, Springer-Verlag, 2012.

<sup>131</sup> Freer Deposition at 202.

names can have a very low nearness measure (e.g., Jean de Paula Carreiro vs. Alex de Carvalho Lopes), as reflected in the chart below:



129. Other examples of names which appear in a single of Dr. Freer's Clusters, but do not appear to substantially agree, are shown below:<sup>132</sup>

cluster_id	Name 1	Name 2
140155	Irene Ramos Fernandes Silva	Nidya Leal
140155	Irene Ramos Fernandes Silva	Ruben Sousa
335971	Flor M Florido	L & L Home Improvement
100223	Heloisa Santamaria	Marialva Sousa de Matos
2522900	Benjamin Argueta	Kenia Venjamin
3194458	Dorali Escobar	Zuly Caicedo
4047480	fatima elena bettencourt de andrade	maria beatriz de andrade martins
4253920	George Saad	El Hachem Georges
3931290	Giovanni Rigatti	go Brignoni
2825686	Luis Miguel Joaquim Rodrigues	Sao Rodrigues
11199437	Regina Celia Cintra Castro	Karina c
9021130	Juan Pablo	Erick Gutierrez
10729205	Maria Do Scorro Prazeres Rodrigues	Ricardo Trancoso
5326578	Patrícia Moutinho	Maria Angela Magalhães Coutinho
12071881	Jose Demoura	Paulo Roberto Ferreira Moura
471741	Kelly Silva	Arcelina Benedita Mota

<sup>132</sup> Review of the Freer Data Tables.

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cluster_id	Name 1	Name 2
471741	arcelina	zeike s
5014900	Camel R Quispe Calderon	ayme sias calderon
11096037	Helio Paz	eliton gonçalves paz
10756933	WenXiong Lee	Sui Ning Lee
10630997	fadelly robayo	Ricardo Ranulfo Yaranga Valencia
12266593	w dalman general services	BBC Financial Services LLC

130. With respect to issues managing transitive closure Section 6.8 of the Christen Text states:<sup>133</sup>

In real-world databases, the problem of record chains being generated by a pair-wise classification technique seems to occur only rarely because the space of all possible values in the different record attributes is very large. The likelihood that records that are not matching have a high similarity with each other is therefore very small.

131. However, in this case, the Aggregation Fields on which Dr. Freer relies differ from those found in typical “real-world” datasets, such as healthcare data, making transitive closure more prone to potential record chains. Dr. Freer admits as such stating:<sup>134</sup>

In a typical user-account dataset, email addresses and phone numbers are unique to an individual. However, this is often not the case in the TelexFree dataset. As described in Paragraph 5, a major source of complexity with the TelexFree dataset is the prevalence of User Accounts that contain different names, but the same email address, phone number, address, etc.

132. Dr. Freer contends that another requirement of his Aggregation Process is the following:<sup>135</sup>

Only when the names in the TelexFree dataset are near enough...**and there are other markers of agreement (such as a matching email address, cell phone number, etc.),** should these two User Accounts be treated as belonging to the same Participant and should be aggregated. **(emphasis added)**

133. However, closer inspection of his resulting clusters shows that Dr. Freer has in fact aggregated User Accounts that may share a similar name and rough geographic location but do not meaningfully share other markers of agreement, such as matching email addresses, cell phone numbers, birthdays, etc. For example, Cluster 5463980 includes 12 User Account and two distinct names, Loredana Zaglia and Loredana Ragolia and no other Aggregation Fields in common.<sup>136</sup>

<sup>133</sup> Section 6.8 of P. Christen, Data Matching, Data-Centric Systems and Applications, Springer-Verlag, 2012.

<sup>134</sup> Freer Report at 24.

<sup>135</sup> Freer Report at 25.

<sup>136</sup> See **Exhibit 14**.



rep_nome	rep_cpf	rep_numero	rep_end	rep_cep	rep_cel	rep_datanasc	rep_email	Sum of net_equity	Count of rep_id
loredana zaglia	180859	26	via costantino nigra	10080	393332449962	NULL	raumy@me.com	(499.00)	5
							lunadicristallo59@yahoo.it	(249.50)	5
						8/18/1959	raumy@me.com	1,038.80	1
loredana ragolia	20981	31	via romita	93100	3498520663	9/2/1981	geometravilla@tiscali.it	8,999.10	1
<b>Grand Total</b>								<b>9,289.40</b>	<b>12</b>

134. As another example, Cluster 119427 (discussed above) includes three User Accounts with the name Alex Lopes. These three Alex Lopes User Accounts share no Aggregation Fields with any other User Accounts within that Cluster, including name.

135. This apparent disconnect between Dr. Freer’s results and his explicitly stated methodology that requires at least fairly similar names and the existence of other markers of agreement further demonstrates the unreliability of his Aggregation Process.

v. The Freer Aggregation Process Results in Inconsistent and Speculative Outcomes

136. In order to determine the relative similarity of any two names, Dr. Freer relies on certain fuzzy matching algorithms that measure “string nearness.”<sup>137</sup> With respect to the Name Field, Dr. Freer primarily relies on two different algorithms, *WRatio* and *ratio*, which he describes as follows:<sup>138</sup>

- *WRatio* is an “attempt to weight (the name stands for 'Weighted Ratio') results from different algorithms to calculate the 'best' score”. It uses *ratio* as well as variants of *ratio* that are good at finding whole tokens in any order. (Again, a token is a sequence of non-space characters separated by a space; in “Quick brown fox”, the tokens are “Quick”, “brown”, and “fox”.) As a result, I use it for nearness matching on the cleaned version of the *rep\_nome* field, which has multiple names in various orders, sometimes with typos (e.g., “maria teresa milagres neves”, “maria teresa neves”, “marai teresa neves”, maria milagres”, and “maria t m neves” may all refer to the same name).
- *ratio* is a standard string nearness measure that is part of the difflib Python package; difflib itself is a built-in Python library, which speaks to its ubiquity. *ratio* is used by both RapidFuzz and FuzzyWuzzy. The *ratio* nearness measure involves “find[ing] the longest contiguous matching subsequence that contains no “junk” elements; these “junk” elements are ones that are uninteresting in some sense, such as blank lines or whitespace ... This does not yield minimal edit sequences, but does tend to yield matches that “look right” to people.” *ratio* is good at avoiding typos, treats various parts of the string the same (unlike *jwsim*), and is good at grouping together edits that occur in a similar part of the string. As a result, I use it for nearness matching in the cleaned

<sup>137</sup> Freer Report at 10 and 38.

<sup>138</sup> Freer Report at 39-40.

versions of *rep\_nome*, *rep\_email*, *rep\_cel*, *rep\_fone*, *rep\_cep*, *rep\_numero*, *rep\_login*, and *rep\_cpf* fields, as well as the derived quantities of “first and last token of name” and “the part of the email address before the @ sign” that are defined using *firstLast* and *beforeAt* functions in Step 5 of the aggregation methodology.

137. However, fuzzy matching can also yield inconsistent and speculative results, especially in this case given that TelexFree, in part, spread organically through family members or communities that may share last names or even first names.<sup>139</sup>

138. For example, Dr. Freer treats User Accounts with the name Paulo Marinho and User Accounts with the name Rejane Marinho as separate Clusters,<sup>140</sup> despite there being little or no difference across most other Aggregation Fields other than first name.<sup>141</sup> However, based on Dr. Freer’s selected fuzzy matching algorithms, these names have a *WRatio* and *ratio* of 67, which would mean that the pair would not have made it into the blocking group as part of Step 4.<sup>142</sup> Thus, it is likely that Rejane Marinho and Paulo Marinho were not aggregated together as a result of their first names not sharing the same letters in the same order, and in conjunction with the fact that their last names (while matching) were relatively shorter. Frantz Balan and Lusette Balan were likely not aggregated for the same reason.<sup>143</sup>

139. By comparison, and as discussed above, Dr. Freer treats User Accounts with the name Jean P. Carreiro and Eliane P. Carreiro as the same Participant, and similar to Rejane and Paulo Marinho, there is little or no difference across most of their other Aggregation Fields. However, based on Dr. Freer’s selected fuzzy matching algorithms, the names Jean P. Carreiro and Eliane B. Carreiro have a *WRatio* and *ratio* of 82, which would mean that the pair would have made it into the blocking set as part of Step 4 and receive a *rep\_nome* gamma value of 2 as part of his Step 5.<sup>144</sup> Thus, it is likely that Jean and Eliane Carreiro were aggregated together as a result of their first names sharing more common letters in the same order, and in conjunction with the fact that their last names matched and were relatively longer.

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<sup>139</sup> See e.g., Freer Report at 2.

<sup>140</sup> See Cluster 14635041 (Paulo Marinho) and Cluster 22681651 (Rejane Marinho).

<sup>141</sup> See **Exhibit 15**.

<sup>142</sup> Freer Report at 53.

<sup>143</sup> See **Exhibit 10**.

<sup>144</sup> Freer Report at 53 and 56.

140. This comparison demonstrates how the Freer Aggregation Process can lead to certain User Accounts being aggregated while others are kept apart not based on having “at least fairly similar names” in any meaningful or real-world sense, but arbitrarily based on, for example, whether two people’s first names happen to share letters in a similar order.

vi. The Only Example Cluster in the Freer Report Contains Questionable Aggregations

141. The Freer Report contains a single example cluster, which Dr. Freer contends is a “visual illustration of the general quality of the dataset.”<sup>145</sup> Specifically, Dr. Freer selected Cluster 132785, which includes User Accounts with the name Maria Neves or variations thereof.

142. However, even inspection of Dr. Freer’s one selected example reveals potential issues with his Aggregation Process. For example, User Accounts with Rep\_IDs 196685, 1902924 and 16337571 have Maria Neves as the name, but the contact information is for an individual with the email address of mmariashousecleaning@gmail.com, living at 155 Pleasant St., Marlboro, MA 01752 or 998 Pleasant St., Framingham, MA 01701, with the phone number 857-236-7654. None of these or the other Aggregation Fields for these User Accounts match Aggregation Fields found elsewhere in cluster 132785.<sup>146</sup>

143. For comparison, most of the other Maria Neves User Accounts in this cluster have an email address of ttmilagres@gmail.com, living at 2B Brackett Rd, Framingham, MA 01702 with the phone number 508-904-3810.<sup>147</sup> Dr. Freer appears to have failed to consider that two different Participants with the same name may have lived in the same city or state. I have not seen any evidence that Dr. Freer has attempted to perform any additional research or analysis to determine whether these Maria Neveses living at different addresses and with different contact information are, in fact, the same Participant.

144. Similarly, User Accounts 11501403 and 15376207 in this Cluster have the names Maria Lares and Rita Lares, with the contact information shown below:

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<sup>145</sup> Freer Report at 24.

<sup>146</sup> See **Exhibit 16**. While City (for the Framingham address) and State match other User Accounts in the Cluster, City and State are not Aggregation Fields and the zip code (which is an Aggregation Field) still differs. I also note that these two User Accounts appear to have been generated around the same time as other User Accounts in this Cluster, making it less likely that it is a single Participant that changed address and phone number.

<sup>147</sup> See **Exhibit 16**.

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cluster_id	rep_nome	rep_email	rep_numero	rep_end	rep_cidade	rep_cen	rep_fone	Sum of net equity	Count of rep_id
132785	rita lares	calderonr27@yahoo.com	4409	4409 merida st	fort worth	76133	8176924229	\$ (49.90)	1
	maria lares	m.adame43@yahoo.com	2101	2101 w fuller ave	fort worth	76133	9132599771	\$ (49.90)	1
Grand Total								\$ (99.80)	2

145. None of these Aggregation Fields appear elsewhere in the Cluster. In fact, the only potential overlap is the rep\_cpf field (i.e., social security number), which has a value of 999999999, and was similar to just five of the remaining 466 User Accounts in the Cluster (and appears over 3,400 times in the data overall).<sup>148</sup> So, in this case, Dr. Freer is aggregating accounts with different names, different contact information, and the only commonality is a clearly fictional social security number used just a handful of times elsewhere in the Cluster.

146. These potential issues identified in the one example Cluster that was specifically selected by Dr. Freer, and supposedly represents a “visual illustration of the general quality of the dataset,”<sup>149</sup> provides further evidence of the flaws in his Aggregation Process.

vii. Aggregation Errors Can Result in a Significant Overstatement of Participant Net Equity

147. With respect to the impact of potential linkage errors, the Statistical Data Warehouse Design Manual states:<sup>150</sup>

Poor quality (eg if variables are missing, indecipherable, inaccurate, incomplete, inconstant, inconsistent) could lead to records not being linked – missed links – or being linked to wrong records – false links. The impact of these two types of errors may not be equal (eg a missed link may be more harmful than a false link), so this needs to be taken into account when designing a data linkage strategy, especially if the linking has legal or healthcare implications.

148. The numerous flaws in the Freer Aggregation Process, as described herein, also have the ability to significantly impact the Net Equity of supposed Net Winners.

149. For example, Cluster 129528 is comprised of five User Accounts with the name “sann” or “sann r” and is supposedly a Net Winner with Net Equity of \$862,565. The largest User Account in this Cluster has an email address of sann@vicss.com and an address at 189 Squire Rd #40, Revere, MA.<sup>151</sup>

<sup>148</sup> Queries of the Freer and Huron Data Tables.

<sup>149</sup> Freer Report at 24.

<sup>150</sup> Kroeze, Harold. "Methodology: Data Linkage." European Commission, February 2017.

<sup>151</sup> See **Exhibit 17**.

150. Comparatively, Cluster 128225, is comprised of 839 User Accounts, many of which include names such as “Sanderley Devaconcelos”, “Sanderley Vaconcelos”, and “Sann Vasconcelos”, an email address of sann@vicss.com and an address at 189 Squire Rd #40, Revere, MA, but this Account Aggregation is supposedly a Net Loser with Net Losses of (\$363,822).<sup>152</sup>

151. Given that every Aggregation Field in Cluster 129528 is either the same as, or in substantial agreement with, an Aggregation Field in Cluster 128225, including name (e.g., “sann” vs. “sann vasconcelos”), I see no logical or factual basis for treating these as separate Participants. By appropriately combining these Account Aggregations together, this Participant’s Net Equity would decrease substantially from \$862,565 to \$498,743, a reduction of over 40%.

152. As a second example, Cluster 10838191, a supposed Net Winner with Net Equity of \$295,498, is comprised of three User Accounts, all with the name Oscar Enrique Sosa Esculpi, an email address of oscarsosa[#####]@live.com or ososa\_esculpil@hotmail.com and an address at 1315 nw 98 ct suite 7, Miami, FL.<sup>153</sup>

153. Comparatively, Cluster 10811451, is comprised of 1,030 User Accounts the majority of which have the name Oscar Sosa, an email address of oscarsosa[#####]@live.com or ososa\_esculpil@hotmail.com, and an address at 1315 nw 98 ct suite 7 in Miami, FL. But this Account Aggregation is supposedly a Net Loser with Net Losses of (\$242,162).<sup>154</sup>

154. Given that every Aggregation Field in Cluster 10838191 is either the same as, or in substantial agreement with, an Aggregation Field in Cluster 10811451, including name, I see no logical or factual basis for treating these as separate Participants. By appropriately combining these Account Aggregations together, this Participant’s Net Equity would decrease substantially from \$295,498 to \$53,336, a reduction of over 80%.

155. The significant impact of a single missed link on a Participant’s concluded Net Equity is also apparent when comparing the Trustee’s largest Net Loser and Net Winner Account Aggregations. For example, the top 100 Net Losers in TelexFree comprise a total loss of approximately \$25.8 million, and have individual losses ranging between approximately \$132,000

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<sup>152</sup> See Exhibit 17.

<sup>153</sup> See Exhibit 18.

<sup>154</sup> See Exhibit 18.

and \$3.1 million.<sup>155</sup> Comparably, the top 100 Net Winners in TelexFree comprise a total gain of approximately \$148.1 million, and have individual winners ranging between approximately \$937,000 and \$4.1 million.<sup>156</sup>

156. Given the structure of TelexFree, there is a lower likelihood that a Participant would incur significant net losses on the scale reflected by the top Net Losers (i.e., repeatedly buy into TelexFree either directly or through Triangular Transactions but yet receive minimal or no gains).<sup>157</sup> One alternative rationale for the existence of some of these large Net Losers is the Trustee's failure to appropriately consolidate certain Net Loser Account Aggregations with corresponding Net Winners. To test this hypothesis, I manually reviewed the Potential Identifiers for the top five Net Losers (excluding the Cluster 25130588 for John Williams that Dr. Freer treats separately), and attempted to find matching Potential Identifiers among Net Winners. In all five cases, I found one or more Potential Identifiers that matched a Net Winner Account Aggregation. This evidence, which is summarized in **Exhibit 6** and detailed **Exhibits 9.1 to 9.5**,<sup>158</sup> includes instances where the same or similar values for Potential Identifiers, such as address, phone number, login, or email, appeared across both Net Loser and Net Winner Account Aggregations.

157. For each of the potential matches I found, I also queried the Huron Data Tables to determine whether certain transactions, such as Credit Transfers or Triangular Purchases/Receipts, occurred between the matched Account Aggregations. Based on my review of the SIG data in this matter, I found that there was often a high degree of activity between User Accounts held by the same Participant, a factor not considered by Dr. Freer as part of the Aggregation Process. As such, confirming that transactions occurred between the matched Account Aggregations, which it did in most instances, further strengthens the potential connections.

158. By way of example, and as reflected in **Exhibit 9.1**, the second largest Net Loser in TelexFree based on the Trustee's calculation of Net Equity is Du Painting DBA ("Du Painting"), which lost \$1,018,291 and comprised 1,248 User Accounts. Across these User Accounts, Potential Identifiers for Du Painting included logins structured as "visionusa[##]," email addresses such as

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<sup>155</sup> See **Exhibit 7**.

<sup>156</sup> See **Exhibit 8**.

<sup>157</sup> See e.g., **Exhibit 5**.

<sup>158</sup> Also, see **Exhibits 17-18**.

davidsonteixeira@hotmail.com, physical addresses such as 33 Vernal St., Everett MA, and phone numbers such as 781-484-7474 and 617-501-6788. A separate Participant under the Trustee's Aggregation Process, Parent ID 4032900, Davidson R. Teixeira, is shown to be a Net Winner of \$1,544,804 comprised of 81 different User Accounts. Across Mr. Teixeira's User Accounts, every one of the noted Potential Identifiers for Du Painting can be found, which would provide strong indicia that both Account Aggregations represent the same Participant. As a result of what appears to be a missed link by the Freer Aggregation Process, Mr. Teixeira's Net Equity is overstated by more than \$1 million, or approximately 193%, a very significant difference.<sup>159</sup>

159. As a second example, and reflected in **Exhibit 9.4**, I found that Shal Group (Cluster 12650741 and Net Loser of \$712,458) shared many of the same or similar Potential Identifiers with Dolarex (Cluster 10992563 and Net Winner of \$189,701). In fact, this linkage was confirmed by the claims submitted through the ePOC portal, as I can see that a single user (i.e., Saryas Jaff, UserId 26627) submitted two claims, one for Shal Group (ClaimId 42877) and one for Dolarex (ClaimId 42906).<sup>160</sup> Once this under-aggregation is appropriately considered and accounted for, of Dolarex changes from a \$190,000 Net Winner to a \$523,000 Net Loser under the Net Equity Calculation, a difference of over 275%.<sup>161</sup> This further demonstrates the significant impact a single aggregation error can have on a Participant's Net Equity.

160. In total, and simply based off the manual review of this sample population, I identified approximately \$3.9 million in Net Loser aggregations that could potentially reduce the \$4.4 million allegedly owed by the matched Net Winners, resulting in a reduction of almost 90%.<sup>162</sup>

161. As discussed above, one of the factors likely driving what appears to be under-aggregation in certain instances, is the disconnect between the Freer Aggregation Process's requirement that the names be the same or similar across every Participant User Account and the reality that Participants could create User Accounts using a variety of names, such as business name, personal name, nicknames, or even fictitious names. This reliance on consistent naming fails to

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<sup>159</sup> Calculated as  $1,018,291 / (1,544,804 - 1,018,291) = 193\%$ .

<sup>160</sup> Queries of the ePOC Data Tables.

<sup>161</sup> See **Exhibit 9.4**.

<sup>162</sup> See **Exhibit 6**.

appropriately account for instances where other Potential Identifiers provide strong indicia that the User Accounts potentially belong to a single Participant.

162. It is also important to consider the impact of linkage errors in the appropriate context. While a given missed or false linkage may not represent a significant portion of TelexFree Net Equity in total, it can dramatically change the results for a single Participant.

viii. Dr. Freer has Failed to Deliver the Full Scope of His Engagement

163. As part of his scope of engagement, Dr. Freer was asked to “develop an aggregation methodology that creates one ‘cluster’ of User Accounts for each Participant.”<sup>163</sup> Instead, Dr. Freer performed a purely mathematical exercise that attempts to link together User Accounts that have similar characteristics, and specifically where there is substantial agreement on the values in the Name Field.

164. However, such an approach fails to appropriately consider instances where the resulting Clusters may actually relate to more than one Participant, or where a Participant may relate to more than one Cluster. For example, in his deposition, Dr. Freer explicitly states, “[w]hen the name differs substantially, whether it’s the same person or not that entered the accounts, that entered that information, when the name differs substantially, my understanding is those are to be considered as separate clusters.”<sup>164</sup> However, the Court in this case already specifically defined Participant as a “person” who purchased a membership plan or VoIP Package in TelexFree,<sup>165</sup> not a “cluster” of User Accounts with similar values in the Name Field. The issue with conflating a person and cluster can be seen through the examples such as Sanderley Devaconcelos, Oscar Sosa and Frantz Balan, among others.

165. As such, to the extent that the ultimate purpose of Dr. Freer’s analysis is a quantification of the supposed net funds received by each TelexFree Participant that comprises the Net Winner Class, Dr. Freer’s analysis fails to accomplish this goal absent additional expert analysis. This was also confirmed by Dr. Freer in his deposition where he acknowledged “I’m not aggregating

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<sup>163</sup> Freer Report at 2.

<sup>164</sup> Deposition of Cameron E. Freer, April 4, 2023 (“Freer Deposition”) at 137.

<sup>165</sup> Support of Proposed Supplemental Order at 3



accounts to persons period. I'm aggregating accounts to other accounts in clusters. The assignment to persons is a different thing that might come later."<sup>166</sup>

**B. Mr. Martin's Calculation of Net Equity is Unreliable**

i. The Net Equity Calculation Fails to Account for Participant Investments and Receipts Related to Transfers of Credit

166. Relative to what constitutes Net Equity, I understand the Court in this matter stated the following:<sup>167</sup>

(i) In determining the amount of claims of Participants, any claim or portion of claim based upon accumulated credits in a Participants' User Accounts as of the Petition Date shall be disallowed;

(ii) The claims amounts of Participants shall be determined on a Net Equity basis, which shall be defined as follows: the amount invested by the Participant into the Debtors' scheme, including amounts paid [by the Participant] pursuant to Triangular Transactions, less amounts received by the Participant from the Debtors' scheme, including amounts received [by the Participant] pursuant to Triangular Transactions[;]

(iii) In determining the amount of a claim of a Participant who has more than one User Account, the activity in all of the Participants' User Accounts shall be aggregated and netted against one another[.]

167. Importantly, while this order notes that claims based on accumulated Credits are disallowed, Net Equity should consider the amount *invested*<sup>168</sup> by a Participant in TelexFree less amounts *received* by a Participant from the TelexFree scheme. Based on how the Trustee and Mr. Martin described their determination of Net Equity, the distinction between accumulated Credits and amounts invested/received appears to be the exchange of actual monetary consideration, such as cash. For example, simply earning Credits through the placement of advertisements on classified websites would not entitle the Participant to claim the value of those Credits, but if that same Participant gave cash to another Participant as part of a Triangular Transfer, then the cash paid would indeed be considered as part of the Net Equity Calculation.

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<sup>166</sup> Freer Deposition at 137.

<sup>167</sup> Supplemental Order at 2-3.

<sup>168</sup> For purposes of this report, I am using the term "invest" or "invested" to mean the payment of cash into the TelexFree scheme, such as through Direct Payments, Triangular Payments, Credit Transfers In, or Purchased Credits. No other definition or legal meaning is intended or implied.

168. However, the determination of Net Equity as executed by the Trustee and Mr. Martin does not account for instances where a Participant uses cash to purchase Credits from another Participant for purposes such as setting up additional User Accounts or performing subsequent Triangular Transactions. In both instances, a Participant is investing actual cash into the TelexFree scheme, yet the Net Equity Calculation treats these situations inconsistently by including Triangular Transactions and excluding Credit Transfers.

169. This dynamic between Triangular Transactions and Credit Transfers is also evident within the SIG data. For example, Mr. Balan, together with the accounts that I understand were incorrectly aggregated to his wife,<sup>169</sup> is alleged to be a \$1.2 million Net Winner based upon the Net Equity Calculation performed by Mr. Martin, as shown in **Exhibit 10**. Most of those supposed winnings came in the form of Triangular Receipts, which totaled almost \$1.5 million. However, in order to help generate the Credits necessary for this volume of Triangular Receipts, Mr. Balan also was a substantial net importer of approximately \$836,000 in Credits, which I understand were not provided to Mr. Balan free of cost, as Mr. Martin and the Trustee presumes.<sup>170</sup> By including Triangular Transactions and excluding Credit Transfers, Mr. Martin is artificially increasing the supposed net amounts received by Participants and not properly considering the investments that were necessary in order to generate those supposed receipts.

170. There is no discussion in the Martin Report regarding why Triangular Transactions are considered within the determination of Net Equity but Credit Transfers are excluded when both appear to be substantively similar from a real-world (i.e., cash based) perspective. Additionally, to the extent any uncertainty exists regarding if, or how much, cash was exchanged as part of Credit Transfers, then such uncertainty necessarily extends to Triangular Transfers given that the SIG database does not provide evidence of cash payments for either transaction type. This internal inconsistency within the Net Equity Calculation between the treatment of Credit Transfers and Triangular Transactions results in a concluded Net Equity value that can differ greatly from the net amount actually invested and received by Participants.

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<sup>169</sup> L. Balan Affidavit; F. Balan Affidavit at 3.

<sup>170</sup> F. Balan Affidavit at 6-7.

171. Credit Transfers between User Accounts and Credit Transfers as part of Triangular Transactions are also stored together within SIG from a data perspective. I understand that the “Transfer Table” contains information about transfers of Credits between User Accounts and includes a “tipo” that delineates “ten different transfer types, including requests to withdraw funds, payments of invoices with credits, and transfers of credits between accounts. The remaining types relate to chargebacks and other adjustments.”<sup>171</sup>

172. Further, the transfer of Credits in exchange for cash is not just a hypothetical scenario that occurs infrequently; rather, the SIG data reflects vast transfers of Credits both between distinct Participants and internally within a Participant’s User Accounts. This is especially true for many of the Participants that Mr. Martin determined to be large Net Winners and Net Losers, as shown in **Exhibit 8** and **Exhibit 7**, respectively. For example, the top 100 Net Winners made over \$210 million in Credit Transfers Out and over \$250 million in Credit Transfers In (i.e., significant net importers of Credits).<sup>172</sup> By comparison, the top Net Losers made \$32 million in Credit Transfers Out and \$19 million in Transfers In (i.e., significant net exporters of Credits).<sup>173</sup>

173. The inclusion of Credit Transfers is highly impactful to the determination of a Participant’s Net Equity as in many cases it can change a Participant’s designation as a Net Winners or Net Losers, a sample of which is shown below.<sup>174</sup>

Participant Type	Cluster	Net Equity <u>Excluding</u> Transfers In/Out	6 - Credit Transfers In	7 - Credit Transfers Out	Net Equity <u>Including</u> Transfers In/Out
NetLoser	13022279	(\$1,018,291)	(\$578,327)	\$845,237	(\$751,381)
NetLoser	11849449	(\$622,342)	(\$1,904,355)	\$2,254,352	(\$272,344)
NetLoser	12242105	(\$481,228)	(\$621,865)	\$1,008,813	(\$94,279)
NetLoser	10525055	(\$240,773)	(\$768,138)	\$1,548,862	\$539,950
NetLoser	1020407	(\$210,525)	(\$5,147,691)	\$6,163,099	\$804,884
NetWinner	132785	\$4,087,745	(\$7,290,296)	\$6,634,688	\$3,432,137
NetWinner	2522900	\$4,012,999	(\$7,135,275)	\$3,926,183	\$803,907
NetWinner	323967	\$3,147,693	(\$5,155,263)	\$3,265,763	\$1,258,193
NetWinner	1385480	\$1,494,466	(\$3,220,534)	\$1,554,200	(\$171,868)
NetWinner	10853999	\$1,308,377	(\$1,581,410)	\$176,389	(\$96,644)

<sup>171</sup> Huron TelexFree Analysis of Damages Presentation at 29.

<sup>172</sup> See **Exhibit 8**.

<sup>173</sup> See **Exhibit 7**.

<sup>174</sup> See **Exhibit 7** and **Exhibit 8**.

174. It defies economic logic that one Participant would simply give Credits to another Participant without financial consideration in return (particularly in these large sums) given that Credits could be converted into cash through Direct Receipts or, much more frequently, Triangular Transactions. It is also worth noting that TelexFree appears to have charged the recipient of Credit Transfers a \$3 fee per transaction, demonstrating that such activities were not without a cost.

175. There is also direct evidence of Credits transferred in exchange for cash based on descriptions of events noted by users through the ePOC portal, such as:

- Ana Patricia Salmeron de Pereira (ePOC ClaimId 68594)<sup>175</sup>
  - “Through the account of patriciaycarlos **I was buying the credit for other participants with real cash, so i could accumulate a large amount of credit in this account, to allow me to easily create new accounts for new members.** As this was the fastest method. Therefore when Telexfree got shutdown, all of this accumulated money (\$90,038) had been distributed and ultimately given to Telexfree through accounts and Voips. So I never actually had this amount of money, therefore all I am owed for this account is the original \$1425 that I paid.”<sup>176</sup> **(emphasis added)**
  - The transactions reflected in SIG confirm that Ms. Salmeron de Pereira had \$100,237 in total Credit Transfers In, of which \$83,507 came from her login “patriciayalex” or “patriciaycarlos.”<sup>177</sup>
  - If Credit Transfers In and Out were considered as part of Net Equity, Ms. Salmeron de Pereira’s Net Winnings of \$104,998 would be reduced to \$31,856, a decrease of (\$73,142), or 70%.
- Marcel McFarren (ePOC ClaimId4282)<sup>178</sup>
  - **“I gave money to a friend of mine Diego Alonso Lizama Zegarra on several opportunities who transfered telexfree credits to my accounts in order to purchase new accounts and VOIP plans. I currently don't remember or have records of all the transfers I received or the dates nor individual amounts. But in the time I participated in telexfree I paid in cash [\$30,383.40] US dollars that where transferred to my account from other user accounts. Wich**

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<sup>175</sup> See Exhibit 20.1.

<sup>176</sup> Queries of the ePOC Data Tables: UnmatchedAccount table, UnmatchedAccountId=6961, Description field.

<sup>177</sup> Queries of the Freer and Huron Data Tables: Cluster 12902527.

<sup>178</sup> See Exhibit 20.2.

[\$26,193.60] were used in opening user accounts and voip accounts, [\$597.00] US dollars in user account maintenance and [\$3,592.80] US dollars in voip renewals.”<sup>179</sup> **(emphasis added)**

- The transactions reflected in SIG confirm that Mr. McFarren had \$35,028 of Credit Transfers In from User accounts Mr. McFarren.<sup>180</sup>
- If Credit Transfers In and Out were considered as part of Net Equity, Mr. McFarren’s Net Winnings of \$2,736 would be reduced to a Net Loss of (\$21,924), a decrease of (\$24,660) or approximately 900%.
- Jose Norford (ePOC ClaimId 150603)<sup>181</sup>
  - “This claim indicates that I owe approximately [\$202,698.80] however I should be receiving a reimbursement of approximately [\$32,775.00].”<sup>182</sup>
  - The transactions reflected in SIG confirm the determined Net Equity to be \$202,698.80 under Mr. Martin’s Aggregation Process (i.e., the basis for ePOC). However, when Credit Transfers In and Out are considered, Mr. Norford’s Net Equity under Mr. Martin’s Aggregation Process is reduced to \$39,118.12.<sup>183</sup>
  - If Credit Transfers In and Out were considered as part of Net Equity under the Freer Aggregation Process, Mr. Norford’s Net Winnings of \$199,749 would be reduced to Net Winnings of \$23,844, a decrease of (\$175,905) or 88%.

176. This exclusion of Credit Transfers fails to appropriately consider the “amount invested” or “amounts received” by Participants within the determination of Net Equity, and, as a result, the Net Equity determined by Mr. Martin is not reliable for the over 435,000 Account Aggregations that took part in Credit Transfer transactions, of which approximately 73,000 are currently alleged Net Winners.<sup>184</sup>

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<sup>179</sup> Queries of the ePOC Data Tables: UnmatchedAccount table, UnmatchedAccountId=23413, Description field.

<sup>180</sup> Queries of the Freer and Huron Data Tables: Cluster 13094257.

<sup>181</sup> See **Exhibit 20.3**.

<sup>182</sup> Queries of the ePOC Data Tables: UnmatchedAccount table, UnmatchedAccountId=13886, Description field.

<sup>183</sup> Queries of the Freer and Huron Data Tables: Cluster 10789133.

<sup>184</sup> Queries of the Freer and Huron Data Tables.

ii. The Amount of Cash Invested/Received by Participants as Part of Triangular Transactions or Credits Transfers Can Differ from Amount of Credits Recorded in SIG

177. With respect to Triangular Transactions, Mr. Martin describes the process as follows:<sup>185</sup>

To redeem credits for a recruited Participant a new User Account was opened for the recruited Participant and the recruiting Participant satisfied the resulting membership fee with credits held by the recruiting Participant (a "Triangular Transaction").

Based upon interviews with Participants and others, the recruited Participant **typically** paid the membership fee in cash to the recruiting Participant who, in turn, satisfied the recruited Participant's membership fee with their own credits. (**emphasis added**)

178. This description is exemplary of why the Net Equity Calculation is not reliable. Mr. Martin and the Trustee assume that the amount of Credits transferred as part of a Triangular Transaction is equivalent to the amount of cash invested or received by Participants. However, the assumption that cash was exchanged is based on interviews with what could only be a very small percentage of the total 2.1 million TelexFree Participants according to Mr. Martin (or 1.6 million TelexFree Participants according to Dr. Freer), many of whom are outside of the U.S., and even then, cash exchanges only "typically" occurred.<sup>186</sup>

179. Mr. Martin does not provide any specific guidance regarding what "typically" means in this context. For example, was cash exchanged between Participants as part of Triangular Transactions 90% of the time, or less than 75%? In those instances where cash was exchanged, was it always the exact amount of, and equivalent to, the amount of Credits recorded within SIG, the data source which forms the basis for the Trustee's determination of Net Equity? Given the massive size and volume of Triangular Transactions that occurred on a global scale (i.e., more than \$2.7 billion dollars and 13.3 million transactions for Triangular Receipts alone),<sup>187</sup> much of which I understand was transacted in physical cash,<sup>188</sup> the assumption that Credits recorded in SIG are necessarily equivalent to investments or receipts by Participants is unsupported.<sup>189</sup>

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<sup>185</sup> Martin Report at 7.

<sup>186</sup> See, **Exhibit 3**. I understand that Counsel requested the notes from these interviews, but was informed that notes were not compiled.

<sup>187</sup> See **Exhibit 4**.

<sup>188</sup> See e.g., F. Balan Affidavit at 5.

<sup>189</sup> F. Balan Affidavit at 5.

180. In direct contradiction to this assumption, I understand that Frantz Balan, a supposed Net Winner according to the Trustee,<sup>190</sup> affirmed the following:<sup>191</sup>

It is a mistake to assume that 100% of the face amount of invoices were collected 100% of the time. In practice, promoters like me rarely received the full amount in cash. I would estimate for me and the promoters I worked with or spoke to that at best this happened only 10% of the time.

Most often, promoters were only able to ask for steeply discounted payments, as low as \$250 for an AdCentral Family membership. Most commonly, the amount requested ranged from 50% to 75% of the invoiced amount.

181. Additionally, I understand that Participants were often part of larger teams working alongside or employing other Participants. In these instances, I understand each team, and each pair of Participants within a team, had their own compensation arrangements and there was no universal payment practice.<sup>192</sup>

182. As one approach to teaming, I understand that it was the role of the lower-level recruiting Participants of the team to identify and signup new members; however, the responsibility of satisfying the resulting invoices with Credits generally fell to the higher-level team leads in the TelexFree pyramid structure. The recruiting Participants would also collect the cash from the new recruits (frequently at a discount relative to the amount of Credits, as noted above), and then distribute a percentage of the cash collected to the lead Participant and keep the remainder as a fee.<sup>193</sup> In this way, Participants were actually sharing compensation in a manner not reflected in the SIG data.

183. The information within SIG would not reflect this real-world dynamic, making it a potentially unreliable source for purposes of determining Net Equity. As a result, the Trustee's concluded Net Equity for the lead Participant would be overstated relative to cash, and the Net Equity for the recruiting Participant would be understated.

184. Also, as it relates to teaming, I'm not aware of anything that would have prevented two people from potentially sharing User Accounts and splitting any cash investments and receipts

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<sup>190</sup> Queries of the Freer and Huron Data Tables.

<sup>191</sup> F. Balan Affidavit at 5.

<sup>192</sup> F. Balan Affidavit at 4.

<sup>193</sup> F. Balan Affidavit at 6.

associated therewith. There is evidence that this may have occurred based upon logins such as in the “patriciayalex” or “patriciaycarlos.”<sup>194</sup>

185. Further, as part of my manual review of top Net Winners and Net Losers (discussed above), I explored certain of the underlying transaction detail to help me better understand the potential connections between top Net Losers and Net Winners. For example, the largest supposed Net Loser, “John Williams,” is alleged to have lost over \$3.1 million (Cluster 25130588).<sup>195</sup> This Account Aggregation according to Dr. Freer is comprised of 62,725 underlying User Accounts, every one of which is a VoIP Phone Plan with a value of \$49.90 purchased through a Triangular Payment.<sup>196</sup> The chance that a single person bought in excess of 62,000 VoIP Phone Plans for over \$3.1 million during the approximately two-week period of March 30, 2014 to April 13, 2014<sup>197</sup> (a process that would likely have taken one person months of full-time work to accomplish since each VoIP Phone Plan required the creation of a new User Account) does not stand up to common sense logic.<sup>198</sup>

186. An alternative explanation lies in the timing of the first User Account in the “John Williams” Account Aggregation (i.e., March 30, 2014). I understand that on or around March 9, 2014, TelexFree changed its compensation plan such that Participants were required to sell at least one VoIP Phone Plan, which many did through Triangular Transactions.<sup>199</sup> It is appears that “John Williams” is the result of this modification to TelexFree’s policy. Whether the creation of these 62,725 User Accounts were done by a service company, an automated software product, or by some other means is not clear from the data, but it does introduce significant uncertainty regarding whether “John Williams” truly made over 62,000 cash payments of \$49.90 to what the SIG data shows to be over 1,800 unique counterparty Participants in the span of less than month.<sup>200</sup> To the extent that such amounts were not actually paid by “John Williams” to the counterparty

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<sup>194</sup> Queries of the Freer and Huron Data Tables: Cluster 12902527.

<sup>195</sup> See **Exhibit 7**.

<sup>196</sup> Queries of the Freer and Huron Data Tables.

<sup>197</sup> Queries of the Freer and Huron Data Tables.

<sup>198</sup> This same fact pattern exists for other Account Aggregation as well, including at least “Ming Hua” (Cluster 21036267). See **Exhibit 7** and **Exhibit 9.2**.

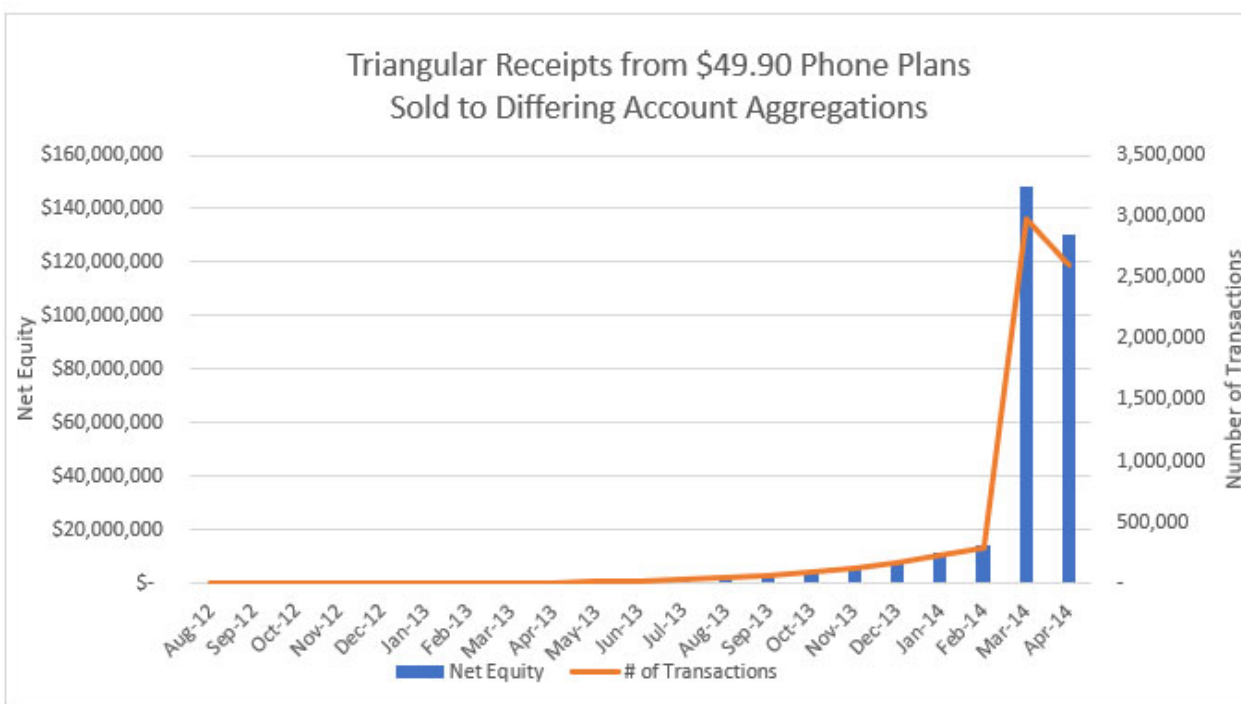
<sup>199</sup> [www.sec.gov/litigation/complaints/2014/comp-pr2014-79.pdf](http://www.sec.gov/litigation/complaints/2014/comp-pr2014-79.pdf); [www.justice.gov/usao-ma/pr/former-president-telexfree-sentenced-billion-dollar-pyramid-scheme](http://www.justice.gov/usao-ma/pr/former-president-telexfree-sentenced-billion-dollar-pyramid-scheme); queries of the Huron Data Tables.

<sup>200</sup> Queries of the Freer and Huron Data Tables.



Participants, then the Net Equity for those Participants is necessarily overstated. This is due to the fact that each supposed \$49.90 Triangular Payment by “John Williams” would have a corresponding Triangular Receipt associated with the counterparty Participant in the SIG data, which is a component of the Net Equity Calculation.

187. In fact, when all TelexFree Triangular Receipts of \$49.90 are charted over time a demonstrable spike beginning in March 2014 becomes clearly apparent, as shown in the table below:



188. During just the post-March 9, 2014 period, there are over 5.4 million Triangular Receipts for \$49.90 between User Accounts supposedly belonging to different Participants, resulting in supposed net winnings of more than \$270 million.<sup>201</sup> As noted above relative to “John Williams,” there is significant uncertainty (and no support in the SIG data) regarding whether Participants actually received the associated cash despite the increase to their Net Equity.

189. Additionally, it is not clear to what extent the Net Equity calculation considers the potential impact of foreign exchange rates. Mr. Martin identifies over 1.7 million Net Losers outside the

<sup>201</sup> Queries of the Freer and Huron Data Tables.

United States across more than 200 different countries.<sup>202</sup> However, I understand that the Credit amounts within SIG are intended to reflect U.S. dollars (i.e., USD). As such, when non-US Participants presumably exchange cash in local currency, it is neither clear what exchange rate may have been used at the time, nor how changes in those exchange rates between the time of the transactions and today may disproportionately impact certain Participants.

190. For example, Mr. Martin indicates that there were approximately 950,000 victims in Brazil.<sup>203</sup> The exchange rate today is approximately 5 Brazilian Reais (i.e., BRL) to 1 USD. By comparison, the exchange rate in 2014 was approximately 2.4 BRL to 1 USD.<sup>204</sup> Therefore, depending on whether you are a Net Winner or Net Loser, the amount of your claim or liability could differ from the original net transaction amount invested or received by as much as 100%.

191. The potential inconsistency between the actual value of the cash exchanged and the amount of Credits recorded for Triangular Transactions within SIG is equally true with respect to Credit Transfers. Given this uncertainty regarding a foundational assumption of the Net Equity calculation, which is that the Credit amounts reflected in SIG are a reliable and accurate proxy for actual cash investments and receipts, the resulting Net Equity amounts concluded by the Trustee are equally unreliable in this instance.

## VIII. CONCLUSION

I have assessed the methodologies set forth in the Freer Report and Martin Report relative to: (i) the Freer Aggregation Process; and (ii) Mr. Martin's Net Equity Calculation for Participants, and specifically Net Winners. As addressed in detail above, both the Aggregation Process and the Net Equity Calculation contained flawed assumptions that render Dr. Freer's and Mr. Martin's, and ultimately the Trustee's, conclusion regarding the Net Equity amounts supposedly won or lost by a given TelexFree Participant to be unreliable.

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<sup>202</sup> Huron TelexFree Analysis of Damages Presentation at 8 and 18.

<sup>203</sup> Huron TelexFree Analysis of Damages Presentation at 18.

<sup>204</sup> <https://www.ofx.com/en-us/forex-news/historical-exchange-rates/yearly-average-rates>.



## Joshua Dennis

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Joshua Dennis, a Partner with StoneTurn, has more than 15 years of experience working with clients and counsel on issues requiring complex data analysis, including investigations, economic damages, intellectual property, enforcement, forensic accounting, compliance monitoring, and valuation engagements.

Through his expertise, which includes financial modeling and data analysis, Josh has assisted companies and their counsel across a wide range of investigative and dispute-related matters. He not only has significant experience analyzing accounting, economic and business data, as well as issues related thereto, but also applying his expertise to the creation of dynamic visual models that provide clarity and key insights.

Josh has also worked extensively in matters involving data analysis, mining, anomaly detection, and reporting of transactional and trading data utilized across a range of industries, including banking, financial services, manufacturing, pharmaceuticals, e-commerce and retail, among others.

Josh also has experience in evaluating and quantifying economic damages related to a variety of issues, including contractual, purchase price and employment disputes, as well as class action matters. He has also quantified and assessed reasonable royalty and lost profits damages related to patent, trademark, trade secret and copyright infringement claims, as well as the valuation of intellectual property outside of litigation.

Josh is a Certified Valuation Analyst, and earned a Certificate in Intellectual Property Law from Suffolk University.

### Education

B.S., Management  
and Business,  
Skidmore College

Minor, Computer  
Science, Skidmore College

### Practice Areas

Data Analytics

Intellectual Property

Litigation

## SELECT PROFESSIONAL EXPERIENCE

### Financial Modeling and Complex Data Analysis

Josh has designed, created and analyzed complex databases to assist clients in matters involving asset misappropriation, breach of contract, trading irregularities, regulatory inquiries and accounting issues. These data models, including graphic visualizations and dashboards, allowed users to dynamically explore large and disparate data sets to help confirm fact patterns, identify trends and anomalies, and inform decision making. Representative case experience includes:

- Retained by counsel for Plaintiff, an individual allegedly defrauded out of millions in capital contributed to a foreign investment project, as part of an effort to help identify the use and current location of such funds for purposes of recovering an adjudicated award. The analysis first required the creation of a database from over 500 hardcopy bank statements across a network of related entities around the world that was compiled using a combination of optical character recognition (OCR), programmatic data restructuring and manual input. The resulting database, which contained more than 35,000 transactions, was then analyzed to identify potential transactions of interest based on keyword searches, as well as the creation of a dynamic dashboard that allowed users to quickly traverse transactions across entities and time periods to help identify the source and use of funds.
- Engaged by counsel for defendant, a global brokerage firm, in connection with allegations of a rogue trader manipulating gains and losses through the trading of metals futures. StoneTurn worked closely with the company and counsel to gather the information and trading data necessary to understand and quantify the magnitude of issue, as well as confirm the scope of which accounts were impacted. StoneTurn communicated the results of its findings, which included a review and assessment of internal controls, to the company's independent auditor with respect its determination of any potential material weaknesses or significant deficiencies.
- Outside counsel retained StoneTurn to assist in the defense of a DOJ investigation into certain anti-trust and price fixing allegations in connection with agency bonds. Specifically, StoneTurn analyzed over 2 million lines of trading data provided by both the investment company and FINRA to help identify trends in the primary and secondary market sales. We also created dynamic visualizations in Tableau to identify any potential trading patterns and trends relative to certain prices contemplated by bond syndicate members.
- Outside counsel for a pharmacy company engaged StoneTurn to assist in a class action matter involving the quantification of potential wages due. Specifically, plaintiffs alleged certain supervisors were due wages and overtime (if applicable) for time spent on premises during unpaid meal breaks where they were the only managerial staff present. StoneTurn analyzed over 20 million lines of employee time punch and scheduling data across various systems to determine the duration of such meal breaks, as well as the additional wages allegedly due.
- Assisted counsel in a class-action matter to rebut the damages asserted by plaintiff related to allegations of market timing within the defendant's mutual funds over a period of more than a decade. Analyses included the creation of a dynamic model that could generate multiple scenarios based upon user-selected inputs, and which

encompassed over six million transactions across more than 30 mutual funds. This model was also used to determine the proportionate settlement amount that was, ultimately, paid to the class members.

- Engaged by a public registrant to reconstruct its accounting records following an investigation by the Audit Committee into revenue recognition issues. We analyzed the underlying systems, processes, controls, and accounting records to assess thousands of revenue transactions under individual contracts in the technology services space. As part of this analysis, StoneTurn requested and received the company's entire Great Plains accounting system in native format, which contained over 1,000 disparate tables. This data was recompiled and used to generate targeted reports related to key accounts and time periods, as well as create charts and graphs used to help visually identify patterns in the company's historic revenue recognition practices, such as those surrounding quarter and year end.
- Engaged to quantify the economic damages related to pricing used to determine reimbursement pursuant to a federal drug rebate program. Specifically, the allegations related to improperly reporting prices based upon the bundled sale of certain types of products. As part of the data analysis, a model was created in SQL to determine the "unbundled" price of products under various scenarios, the result of which were applied in the determination of the appropriate rebate calculated under the program. StoneTurn also assisted in preparation for trial, including the identification and subsequent modeling of damages scenarios based upon specific hospitals or groups of hospitals, as well as other potential legal outcomes. The case was ultimately settled by the parties for an amount consistent with the total damages conclusion generated by the economic model.
- Assisted various companies on matters related to the alleged misappropriation of assets or payment of potential bribes as part of civil litigation, compliance issues and regulatory inquiries. As part of the analysis, StoneTurn frequently worked directly with the subject-company and counsel to help extract the necessary financial and accounting data from systems such as QuickBooks, Great Plains and SAP. This data, once validated, normalized and uploaded to StoneTurn's secure SQL server, was then typically subjected to a number of standard tests (e.g., round dollar, duplicate vendors, Benford's law, etc.), as well as tests based on the facts and circumstances specific to each case. This may involve the identification of relevant transactions based on searches for keywords or individuals, as well as the creation of a dynamic and visual interface that allows the user to quickly explore the dataset to identify trends and anomalies.

## Complex Business Disputes

Josh has worked on a wide-variety of dispute matters in litigation and arbitration settings. He has significant experience in quantifying economic damages related to business interruptions, non-interference and non-compete agreements, supply agreements, franchise agreements and other contractual disputes. Representative case experience includes:

- Retained by a pharmaceutical technology company to perform a contract compliance audit in connection with a profit sharing agreement. StoneTurn performed a detailed analysis and recreation of the profit sharing model, as well as sample of the underlying revenue and costs. The compliance audit culminated in a report and supporting

exhibits identifying significant underpayments of profits based largely on the inclusion of direct and indirect expenditures that fell outside the scope of contract.

- Engaged by defendant, a leading manufacturer and distributor of clinical laboratory instrumentation for in vitro diagnostic application, to determine economic damages related to defendant's counterclaim involving an alleged breach of contract. The breach related to plaintiff's interference with the attempted auction of a number of defendant's subsidiaries, and the solicitation of key employees.
- Retained by defendant, a national owner and franchisor of travel centers, to evaluate the alleged damages suffered by plaintiff, a global manufacturer of pharmaceutical and its insurance carrier, resulting from a stolen truckload of pharmaceutical drugs.
- Engaged by defendant, a global chemical manufacturer to assist in quantifying damages in a litigation that related to an alleged breach of contract. The contract included a "most favored customer" pricing provision and the parties disputed the interpretation and historical application of the provision.

## Intellectual Property

Josh has performed quantitative and qualitative analyses to determine reasonable royalty and lost profit damages for leading software / hardware providers, retailers and financial institutions. He has also provided in-depth examinations of the relevant industries, markets and technologies, as well as each party's financial performance, to assist in the determination of value. Representative case experience includes:

- Performed a fair market valuation of a company that specialized in the synthesis of keratin, including its patent portfolio that contained 28 patents related to the applications of keratin in a range of cosmetic and medical products.
- Retained by defendant, a worldwide manufacturer of mobile devices and electronics, to assess damages and provide rebuttal analyses in connection with an alleged patent infringement. The patent related to the resizing and formatting of digital images prior to being sent via MMS message.
- Engaged by plaintiff to provide both industry and damages expertise in connection with a breach of a software licensing agreement between the licensor and licensee. Analyses included the development of several complex models in order to compute damages under a number of different assumptions based on the language of the agreement.
- Retained by defendants in a multi-defendant litigation that included OEM computer manufacturers, as well as certain operating system and computer chip suppliers. The lawsuit, brought by a non-practicing entity, asserted alleged infringement against the defendants with respect to four patents that were purported to provide power savings in desktop and laptop computers. Analyses included the determination of a reasonable royalty, as well as a rebuttal of the damages asserted by plaintiff.

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## Business Valuation

Josh has assisted in the preparation of business valuation analyses and reports for various matters, including sale negotiations, contract disputes and for tax purposes. These reports required the use of both the income and market valuation approaches, and included analyses of discounted cash flows, as well as comparable companies and sale transactions. Representative case experience includes:

- Retained to calculate the value of a minority interest in a privately held international manufacturer of fluid sealing products. The subject company was also a defendant in a significant number of asbestos-related lawsuits that greatly impacted the fair market value, which had to be accounted for within the valuation. The final report was submitted to the IRS for estate tax purposes.
- Retained to perform a valuation of a franchise area development agreement for a company in the heating and air conditioning industry. Analyses included the capitalization method of valuation based upon the historical financial performance of the company and a determination of the appropriate risk-adjusted discount rate.
- Engaged by counsel for plaintiff, an individual stakeholder in an oil and gas distribution company, to assess and critique certain valuation reports that had been used in connection with a potential buy-out of the plaintiffs' interest in the subject company.

## Non-Profit

- Josh assisted a local non-profit organization on a pro-bono basis by providing economic analysis related to foster children entering into a pre-college program. The analysis focused on helping the organization quantitatively demonstrate the incremental economic value to the State associated with individuals that hold a college degree.
- Josh assisted a local non-profit organization on a pro-bono basis by providing an analysis of the organization's overhead costs, and how those costs compare to other similar organizations in the industry. The results of this analysis were presented to the Board of Directors.

## PRESENTATIONS & PUBLICATIONS

- *Leverage Data Analytics to Curb Fraud Risks*, co-author with Eva Weiss and Valerie Loverro, Accounting Today (February 2021)
- *The Role of Data Analytics in Regulatory Inquiries*, co-author with Steven Neuman, Compliance & Ethics Professional (March 2020)
- *Leveraging Data Analytics to Minimize Risk in the Financial Services Industry*, Securities Docket Webinar (March 2019)

# Exhibit C.



**UNITED STATES BANKRUPTCY COURT  
DISTRICT OF MASSACHUSETTS**

In re:

TELEXFREE, LLC,  
TELEXFREE, INC. and  
TELEXFREE FINANCIAL, INC.,  
  
Debtors.

Chapter 11 Cases

14-40987-MSH  
14-40988-MSH  
14-40989-MSH

Jointly Administered

STEPHEN B. DARR, TRUSTEE  
OF THE ESTATES OF TELEXFREE, LLC,  
TELEXFREE, INC. and TELEXFREE  
FINANCIAL, INC.,  
  
Plaintiff,  
  
v.  
BENJAMIN ARGUETA, A REPRESENTATIVE  
OF A CLASS OF DEFENDANT NET  
WINNERS  
  
Defendants.

Adversary Proceeding  
No. 16-4006

STEPHEN B. DARR AS TRUSTEE  
OF THE ESTATES OF TELEXFREE, LLC,  
TELEXFREE, INC. and TELEXFREE  
FINANCIAL, INC.,  
  
Plaintiffs,  
  
v.  
MARCO PUZZARINI, A REPRESENTATIVE  
OF A CLASS OF DEFENDANT NET  
WINNERS  
  
Defendants.

Adversary Proceeding  
No. 16-4007

**REPLY REPORT OF DR. CAMERON E. FREER**

Respectfully submitted this 22nd day of May 2023



Cameron E. Freer, Ph.D.

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## EXHIBITS

Exhibit Number	Description
1	Materials Considered
2.1	All 12 fields from <i>representante</i> used in the Freer Aggregation Methodology, for 400 randomly-selected records chosen with fixed random seed
2.2	Values of the <i>rep_id</i> field from <i>representante</i> for these 400 records
2.3	Values of the <i>rep_nome</i> field from <i>representante</i> for these 400 records
2.4	Values of the <i>rep_email</i> field from <i>representante</i> for these 400 records
2.5	Values of the <i>rep_cel</i> field from <i>representante</i> for these 400 records
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2.12	Values of the <i>rep_cpf</i> field from <i>representante</i> for these 400 records
2.13	Values of the <i>rep_datanasc</i> field from <i>representante</i> for these 400 records
3	Values of the <i>rep_nome</i> field from the 300 randomly-selected User Accounts analyzed in the Freer Report

## **I. Introduction**

1. I prepared an Expert Report (the “Freer Report”) issued on April 29, 2022. The Freer Report contains my initial opinions, describes my qualifications, and includes my CV (as Exhibit 1 of the Freer Report).
2. I have prepared this Reply Report (this “Reply”) in response to the Supplemental Rebuttal Expert Report of Joshua M. Dennis (the “Dennis Rebuttal”) issued on April 14, 2023 and the transcript of the deposition taken of Mr. Dennis on May 9, 2023 (“Dennis Tr.”).
3. I relied upon data and documents from a variety of sources during my work and in the course of generating this report. A complete listing of materials that I considered is presented in Exhibit 1 of this Reply, in conjunction with Exhibit 2 of the Freer Report. Note that I will refer to the aggregation methodology described in the Freer Report as the “Freer Aggregation Methodology”, by which I mean the same thing as the “Freer Aggregation Process” or the “Borelian Aggregation Methodology”.

## **II. Mr. Dennis lacks the requisite training and experience to meaningfully comment on the Freer Aggregation Methodology.**

### **A. Mr. Dennis lacks the requisite statistical training and experience.**

4. Mr. Dennis has limited to no experience with many of the statistical concepts and tools that I utilized in the Freer Aggregation Methodology. Mr. Dennis has a BS in Business from Skidmore College. Mr. Dennis’ business coursework “involved multiple accounting courses, economics courses, finance courses, marketing courses. Things of that nature.”<sup>1</sup>

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<sup>1</sup> Dennis Tr., 33:17-34:3.

He minored in computer science, of which the only course dedicated to the manipulation of data that he remembers was a course teaching Microsoft Access.<sup>2</sup> Mr. Dennis does remember taking one semester-long statistics course.<sup>3</sup> Subsequent to graduating, Mr. Dennis took a continuing education course learning SQL that “spanned a couple weeks”, but remembers no other formal continuing education related to data science.<sup>4</sup>

5. Mr. Dennis’ actual probabilistic computing engagements appear to be limited to some form of fuzzy matching.<sup>5</sup> Even so, Mr. Dennis appears to have little comprehension of basic concepts in the field of entity resolution, or in the closely related and overlapping fields of record linkage and data matching.
6. Probabilistic record linkage is a method used to link data that refer to the same entities, such as individuals or businesses. It is called “probabilistic” because it involves the computation of the probability that each pair of records refers to the same entity.<sup>6</sup> It often incorporates rules and scoring systems that take into account a variety of data fields (such as name, email address, phone number, etc.) to generate the probability of a match.
7. Fuzzy matching, on the other hand, is a technique used to measure similarity between strings. This is quite different from estimating the probability that two complete records are a match.
8. Even when discussing fuzzy matching, Mr. Dennis demonstrates a lack of knowledge. He describes Jaccard similarity, Levenshtein distance, and TF-IDF as methods of fuzzy

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<sup>2</sup> Dennis Tr., 34:16-35:17.

<sup>3</sup> Dennis Tr., 35:20-36:13.

<sup>4</sup> Dennis Tr., 36:14-38:12.

<sup>5</sup> Dennis Tr., 59:19-60:18, 62:7-23.

<sup>6</sup> When I say “entity” in this Reply, I am not referring to the concept of legal entity. Rather, I am referring to the concept of “entity” as it appears in the entity resolution, record linkage, and data matching literature: an *entity* is a distinct object (such as individual, organization, or location) that can be represented in multiple, potentially different ways across the data. The purpose of entity resolution is to identify when these different representations refer to the same object.

matching, but this is incorrect. TF-IDF (Term Frequency-Inverse Document Frequency) is not a fuzzy matching technique like Jaccard similarity or Levenshtein distance. TF-IDF is a statistical measure used to evaluate how important a word is to a document in a collection or corpus. This mistake is especially strange given that Mr. Dennis claims to have used TF-IDF before:<sup>7</sup>

Q. You've used TF-IDF?

A. Correct.

Q. "TF-IDF" stands for what?

A. I'd have to go back and look. I don't recall.

Q. Is it a -- is it a fuzzy matching model?

A. It is, yes.

9. Mr. Dennis has little understanding of the notion of connected components,<sup>8</sup> an important concept in graph theory.<sup>9</sup> This notion is closely related to transitive closure,<sup>10</sup> a key aspect of the Freer Aggregation Methodology.

10. Mr. Dennis could not recall any specific engagements that involved transitive closure, and when he tried, Mr. Dennis again showed a lack of understanding. Transitive closure is not "putting things in one cluster and only one cluster" – that is called partitioning or creating a partition (which I discuss later on this Reply) – unlike what Mr. Dennis states:<sup>11</sup>

Q. Have any of your prior engagements involved transitive closure?

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<sup>7</sup> Dennis Tr., 63:9-16.

<sup>8</sup> Dennis Tr., 90:15-91:5.

<sup>9</sup> Graph theory is a branch of mathematics germane to record linkage, and especially to the dynamic clustering approach of the Freer Aggregation Methodology.

<sup>10</sup> In simple terms, a connected component is a set of vertices that are all connected to each other by a path, but not to other vertices outside of the component. Transitive closure of the edges in a graph forms its connected components, thereby identifying all pairs of vertices that are reachable from each other, regardless of the specific path taken.

<sup>11</sup> Dennis Tr., 76:21-77:24; see also 122:14-123:22.

A. I'm trying to -- I apologize -- I'm trying to think. There have certainly been engagements that have required things to be bucketed and only input in one and only one bucket.

Q. Okay. When you're describing putting things in one bucket, did you use transitive closure in those instances, or was that just bucketizing individual bits of information?

A. My understanding is -- with Dr. Freer is that transitive closure was putting something in one cluster and only one cluster.

Q. Right. But using a transitive process to do so; correct? If A equals B, B equals C, then A equals C? Well, broadly speaking.

A. I'd have to go back and think. It's possible.

Q. Okay. Well, can you think?

A. It's certainly possible. I can't think of anything sitting here today. I'll continue to think on it and let you know.

Q. Okay. Please do.

11. Mr. Dennis is not familiar with Cochran's Formula, used by statisticians to calculate an ideal sample size given a desired level of precision, desired confidence level, and the estimated proportion of the attribute present in the population.<sup>12</sup> Moreover, Mr. Dennis was unable to even generally explain the correlation between sample size and population size:<sup>13</sup>

Q. Well, generally speaking, does the required sample size grow in some linear fashion as relates to the overall data size -- dataset?

A. Not linearly, no.

Q. Well, how does it grow?

A. Well, I don't recall the math behind it.

Q. Is it logarithmic? Is it sublinear? Do you have any recollection?

A. I don't recall them.

12. Mr. Dennis does not have an understanding of what f-measure is (beyond what is described in my report), even though it is a basic statistical metric to measure accuracy in

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<sup>12</sup> Dennis Tr., 80:9-11.

<sup>13</sup> Dennis Tr., 83:8-18.

binary classifications.<sup>14</sup> Even more concerning is that Mr. Dennis testified that he could not calculate how often one would expect to see false positives in an aggregation methodology with a precision of 0.980, a recall of 0.996, and an f-measure of 0.988 without referring back to my report.<sup>15</sup> (A precision of 0.980 straightforwardly implies a false discovery rate of  $1 - 0.980 = 0.02$ , which means that 2% of the matches asserted by the methodology are false positives.) This may be because Mr. Dennis has never made such a calculation before.<sup>16</sup>

Q: Have you ever calculated false positives off of precision, recall, and F-measure?

A. No, I have not.

13. In fact, Mr. Dennis cannot recall any experience with calculating the statistical notions of precision and recall.<sup>17</sup>

Q. ... I'm asking if you have any experience whatsoever calculating precision and recall as it relates to error rate?

A. Generally not.

14. Just as Mr. Dennis appears to have limited experience with commonly used data science statistical concepts, Mr. Dennis appears to have limited experience with commonly used data science tools. For example, Mr. Dennis claims only a “base knowledge” of Python (often the preferred programming language used in complex structured and unstructured data exploration).<sup>18</sup> Python is a very common tool of choice for data scientists because it includes a broad range of libraries used in data manipulation, including Pandas, which is specifically designed for large data set analysis.

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<sup>14</sup> Dennis Tr., 90:11-14.

<sup>15</sup> Dennis Tr., 161:24-163:19.

<sup>16</sup> Dennis Tr., 163:22-164:1.

<sup>17</sup> Dennis Tr., 88:7-89:6.

<sup>18</sup> Dennis Tr., 45:11-14.



15. Mr. Dennis also claims to be only partially conversant with the Pandas Python package, having used Pandas libraries “a handful” of times.<sup>19</sup> In contrast, I have used Pandas every day that I was designing and implementing the Freer Aggregation Methodology, as well as for many years for a variety of projects involving large datasets. Pandas is an appropriate tool for working with a large dataset of nearly 11 million records.<sup>20</sup> I would expect any experienced data scientist to be fully conversant in using Python and its Pandas library for data analysis (or their equivalents in other languages).
16. Mr. Dennis did not use Splink, a well-known and peer-reviewed Python package for probabilistic record linkage, either before or *during* the TelexFree case.<sup>21</sup> This admission is surprising, as the Splink package is at the heart of the Freer Aggregation Methodology, and performs the key function of computing match probabilities between pairs of User Accounts.

**B. Mr. Dennis has never been engaged to perform a Fellegi-Sunter probabilistic record linkage analysis.**

17. Critically, even though the Fellegi-Sunter model underlies most of the standard approaches to probabilistic record linkage, the TelexFree engagement is the first time Mr. Dennis has been exposed to the Fellegi-Sunter model.<sup>22</sup> Mr. Dennis testified that he has never used the Fellegi-Sunter data aggregation method.<sup>23</sup> Nor has he studied the

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<sup>19</sup> Dennis Tr., 45:24-46:12.

<sup>20</sup> In fact, Mr. Dennis’ confusion about “numerous duplicate records” (footnote 25 of Dennis Rebuttal at 8) in the output of the Freer Aggregation Methodology is likely due to his use of tools that do not correctly parse the large CSV files that were included as Exhibits 6 and 7 of the Freer Report. Part of the codebase that I delivered to Mr. Dennis includes code that properly reads those CSV files, but it appears that Mr. Dennis did not make use of that code.

<sup>21</sup> Dennis Tr., 46:20-22.

<sup>22</sup> Dennis Tr., 57:19-58:3

<sup>23</sup> Dennis Tr., 62:24-63:3.

mathematics of how, in FS-EM, the relative weights of agreement across various fields are determined, an important concept for understanding and evaluating any probabilistic data aggregation methodology.<sup>24</sup>

18. What is even more problematic is that Mr. Dennis admits that he did not perform such an aggregation task *during* this project either, since he did not even execute the full sequence of code that I provided to him so that he could replicate my work. In fact, Mr. Dennis admits that of the code he examined (let alone executed), he primarily looked at only the cleaning and blocking sections.<sup>25</sup>

19. This highlights Mr. Dennis' inexperience with probabilistic record linkage because, as described in my initial report, the Fellegi-Sunter model, and specifically Fellegi-Sunter with Expectation Maximization (FS-EM), has become a standard method for performing probabilistic record linkage.

20. Mr. Dennis introduces a quote out of context<sup>26</sup> to cast aspersions on the Freer Aggregation Methodology, specifically to falsely imply that a gold standard is required for evaluation of FS-EM. It is not required, as I explain below in Section III.C of this Reply. Despite his insinuation, Mr. Dennis is not sure whether he has even *thought* about whether FS-EM requires a gold standard.<sup>27</sup>

21. Given Mr. Dennis' lack of affirmative analysis and inexperience with probabilistic record linkage in general, and with FS-EM in particular, he cannot offer a meaningful critique of my FS-EM aggregation methodology. Instead, as described in more detail below in Section IV of this Reply, he resorts to cherry-picking data that is not statistically

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<sup>24</sup> Dennis Tr., 64:21-65:8.

<sup>25</sup> Dennis Tr., 26:3-8.

<sup>26</sup> ¶111 of Dennis Rebuttal at 36.

<sup>27</sup> Dennis Tr., 128:6-12

significant, so as to purportedly identify “potential” flaws – flaws that, if present, would be well within the stated error rates for the Freer Aggregation Methodology. If Mr. Dennis had a better understanding of probabilistic record linkage, he would have presented statistical evidence, rather than attempting to attack the Freer Aggregation Methodology with a small number of examples, presumably selected at his own discretion.

**C. Mr. Dennis did not analyze or offer an opinion on the majority of the Freer Aggregation Methodology or its analysis.**

22. In addition to lacking the appropriate training and experience to meaningfully critique the Freer Aggregation Methodology, Mr. Dennis did not even attempt to review or offer an opinion on my methodology in any meaningful way, other than to incorrectly claim that his cherry-picked examples of potential overclustering and underclustering invalidate my entire analysis, a topic that I address more fully below in Section IV of this Reply.

***i. Mr. Dennis barely reviewed my code.***

23. As an example of insufficient review, Mr. Dennis did not review my code for running the 10-step Freer Aggregation Methodology in full.<sup>28</sup> In fact, he primarily ran code only for two out of those ten steps, the blocking and cleaning steps.<sup>29</sup> And of blocking code, he reviewed only “a portion of it”.<sup>30</sup> Since Mr. Dennis did not run through the code of the Freer Aggregation Methodology, he could not have possibly recreated the aggregation output.

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<sup>28</sup> Dennis Tr., 20:18-22.

<sup>29</sup> Dennis Tr., 26:3-8; 31:18-32:12.

<sup>30</sup> Dennis Tr., 23:8-17; 74:8-11.

24. In light of Mr. Dennis' statements, I estimate the percentage of the overall code reviewed by Mr. Dennis to be less than 10% percent of the codebase. Of the portions he did review, Mr. Dennis admits that my code operates in the manner intended.<sup>31</sup>

*ii. Mr. Dennis formed no opinion on what sample size would be adequate to estimate input data quality.*

25. Mr. Dennis did not form a specific opinion on the degree to which the 300 name field values manually reviewed by me constituted an adequate sample size for verifying the quality of the name field.<sup>32</sup> In particular, Mr. Dennis did not determine how many records more than 300 he thinks I should have reviewed.<sup>33</sup>

26. It appears that Mr. Dennis did not realize that such a determination was a reasonable thing for a statistically literate expert to do: Mr. Dennis stated that he did not do an independent determination of the appropriate sample size for any purpose in this engagement because he was not asked to.<sup>34</sup> I discuss this issue of sample size in detail below in Section III.E.ii of this Reply.

*iii. Mr. Dennis performed no affirmative analysis to determine what he thought the appropriate approach was for any aspect of my methodology.*

27. Mr. Dennis testified that he was not asked to determine any affirmative analysis in this case.<sup>35</sup> Mr. Dennis testified having formed no opinion on the right or wrong approach is for each of the following aspects of my method:

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<sup>31</sup> Dennis Tr., 25:18-26:2.

<sup>32</sup> Dennis Tr., 81:19-82:16.

<sup>33</sup> Dennis Tr., 82:17-20.

<sup>34</sup> Dennis Tr., 79:10-80:8.

<sup>35</sup> Dennis Tr., 97:17-98:5, 161:18-19, 198:9-10.

- He did not form an opinion one way or another about whether the analysis in the *rep\_id\_summary* table was accurate or reliable for purposes of distinguishing the TelexFree accounts from the Ympactus accounts and the hybrid accounts.<sup>36</sup>
- He did not form an opinion on what field cleaning process would have been appropriate for me to perform.<sup>37</sup>
- He did not determine how he thinks blocking should have been done.<sup>38</sup>
- He did not form an opinion or look into whether the weights in the FS-EM model were correctly determined.<sup>39</sup>
- He did not form an opinion on whether transitive closure was a “required step” in the aggregation process, because it was not something he was asked to do.<sup>40</sup>
- He did not perform any analysis to determine what percentage of the clusters in the aggregation output of the Freer Aggregation Methodology he thinks are error-free, because he was not asked to.<sup>41</sup>

28. Mr. Dennis takes the last example to the extreme by not even having an opinion on whether User Accounts which, in his own report, he insinuates are problematically clustered, are actually appropriately clustered or not. For example, he testified that he did not form any opinion on whether accounts in cluster 132785 (the “Maria Neves” cluster) were in fact over-aggregations,<sup>42</sup> despite referring to them in his Rebuttal as “potential

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<sup>36</sup> Dennis Tr., 157:8-19.

<sup>37</sup> Dennis Tr., 72:22-73:4.

<sup>38</sup> Dennis Tr., 197:16-198:12.

<sup>39</sup> Dennis Tr., 66:23-67:8.

<sup>40</sup> Dennis Tr., 91:19-92:16.

<sup>41</sup> Dennis Tr., 134:23-135:10.

<sup>42</sup> Dennis Tr., 94:18-96:22.

issues”.<sup>43</sup> He also did not do any analytical work to specifically arrive at a number of over-aggregations that in his opinion appear in this cluster,<sup>44</sup> despite discussing this cluster at length in his Rebuttal.<sup>45</sup>

29. Similarly, Mr. Dennis testified that he has no opinion on whether the “Shal Group” cluster 12650741 and “Dolarex” cluster 10992563, compared in his Rebuttal in paragraph 159 and Exhibit 9.4, should have been aggregated into one cluster or not.<sup>46</sup> This is despite specifically referring to this example as an “under-aggregation” in his Rebuttal.<sup>47</sup>
30. Mr. Dennis also did not form an opinion on whether the “DL1 INC” cluster 11849449, and “Linda Hackett” cluster 707775, compared in his Rebuttal in Exhibit 9.5, should be aggregated into one cluster or not,<sup>48</sup> despite again insinuating in his Rebuttal that it “appears to be under-aggregation”.<sup>49</sup>
31. Because Mr. Dennis did not opine on what an appropriate approach would be for many aspects of the Freer Aggregation Methodology, it is difficult to see how he can meaningfully critique these aspects of the methodology.

***iv. Mr. Dennis did not perform or offer any quantifiable error analysis or opinion.***

32. Mr. Dennis’ refusal to offer any opinion on what he thinks is appropriate permeates his entire error analysis. Specifically, Mr. Dennis did not perform or offer any quantifiable error analysis or opinion,<sup>50</sup> nor was he asked to do so.<sup>51</sup> As a result, he did not opine on

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<sup>43</sup> ¶142 of Dennis Rebuttal at 47.

<sup>44</sup> Dennis Tr., 94:18-96:22

<sup>45</sup> ¶¶141-146 of Dennis Rebuttal at 47-48.

<sup>46</sup> Dennis Tr., 180:2-18, 185:13-22.

<sup>47</sup> ¶159 Dennis Rebuttal at 51.

<sup>48</sup> Dennis Tr., 190:5-191:11

<sup>49</sup> ¶161 of Dennis Rebuttal at 51.

<sup>50</sup> Dennis Tr., 98:6-15.

<sup>51</sup> Dennis Tr., 100:4-19.

or attempt to calculate what an appropriate error rate would be in this case.<sup>52</sup> For example, he testified that:

- He has not formed an opinion on whether a zero overclustering or underclustering error rate is required for a cluster to be acceptable.<sup>53</sup>
- He has not formed an opinion on what error rate would make a clustering methodology acceptable.<sup>54</sup>
- He has not endeavored to determine the number of missed links one would have to examine to validate or invalidate the Freer Aggregation Methodology.<sup>55</sup>
- He did not attempt to calculate the actual rate of overclustering in any cluster of the output of the Freer Aggregation Methodology.<sup>56</sup>
- He did not attempt to calculate the actual rate of underclustering in any cluster of the output of the Freer Aggregation Methodology.<sup>57</sup>

33. As I have illustrated, Mr. Dennis frequently fails to offer an opinion on key aspects of the Freer Aggregation Methodology. Even so, Mr. Dennis often incorrectly insinuates problems with the methodology, due to his misunderstanding. I explore his troublesome approach more fully in the rest of this Reply.

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<sup>52</sup> Dennis Tr., 89:19-90:10.

<sup>53</sup> Dennis Tr., 159:24-160:5.

<sup>54</sup> Dennis Tr., 160:19-161:19.

<sup>55</sup> Dennis Tr., 167:7-19.

<sup>56</sup> Dennis Tr., 96:23-97:16, 114:20-115:8.

<sup>57</sup> Dennis Tr., 99:2-5, 114:20-115:8.

### **III. Mr. Dennis' lack of experience leads to many misunderstandings.**

#### **A. Mr. Dennis misunderstands the role of name in the Freer Aggregation**

##### **Methodology.**

34. The aggregation task in the TelexFree case is to form clusters of User Accounts based on which *person* they refer to. Mr Dennis seems not to understand this basic point. As a result, Mr. Dennis makes incorrect assertions about the Freer Aggregation Methodology,<sup>58</sup> and he incorrectly alleges instances of underclustering.<sup>59</sup> (Note that when I say “person” in this Reply, I mean to include both natural persons and non-natural persons, such as corporations.)
35. Sometimes two distinct persons will share an identifier such as address, phone number, or email address. (This can happen for two natural persons,<sup>60</sup> or a natural person and corporation,<sup>61</sup> or two different corporations.<sup>62</sup>) Even when two distinct persons share such identifiers, they remain separate persons, and the aggregation task is to place the corresponding User Accounts into different clusters. Mr. Dennis does not seem to understand this, and accordingly makes incorrect judgments about which clusters in the output of the Freer Aggregation Methodology constitute false negatives.

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<sup>58</sup> ¶¶74-88, 108-124, 137, 157-164 of Dennis Rebuttal at 24-29, 35-42, 46, 50-52.

<sup>59</sup> ¶¶156-161 of Dennis Rebuttal at 50-51.

<sup>60</sup> For example, married couples very often share a street address, and sometimes share a phone number (especially landline) or even email address. The same can be true of family members, or unrelated people who share housing.

<sup>61</sup> A natural person and a corporation are not the same legal entity, even if the natural person owns the corporation, and even if the two entities share a mailing address, phone number or email address.

<sup>62</sup> Two different corporations are not the same legal entity, even if they are owned by the same persons, and even if they share a mailing address, phone number, or email address. For example, the U.S. Bankruptcy Court, District of Massachusetts has noted “In Massachusetts, corporations and their shareholders, or different corporations with common shareholders, are generally deemed distinct legal entities.” (In re Plantation Realty Trust, 232 B.R. 279, 282 (Bankr. D. Mass. 1999).)



36. For example, Mr. Dennis asserts that Exhibit 9.4 of the Dennis Rebuttal is an instance of “under-aggregation”.<sup>63</sup> It is not. The name fields in the respective clusters (some capitalization of “Shal Group LLC” and some variant of “Dolarex LLC”) clearly refer to different persons.
37. Mr. Dennis makes numerous such mistakes. As another example, consider Exhibit 9.5 of the Dennis Rebuttal, which Mr. Dennis also insinuates is an instance of “under-aggregation”.<sup>64</sup> Again the name fields in the respective clusters (some capitalization of “DL1 INC” and some variant of “Linda S. Hackett”) clearly refer to different persons.
38. These are not mere oversights — Mr. Dennis incorrectly classifies these pairs of clusters as instances of “under-aggregation” because he misunderstands the aggregation task itself.
39. The record linkage literature is clear that the nature of an aggregation task, and specifically the choice of fields from the input data set, depends on what kind of object each cluster is meant to identify.<sup>65</sup> Mr. Dennis does not seem to understand this point.
40. In the TelexFree task, each cluster of User Accounts corresponds to a *person*, namely the Participant that is identified by the descriptions in the User Accounts of that cluster.<sup>66</sup> The

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<sup>63</sup> ¶159 of Dennis Rebuttal at 51.

<sup>64</sup> ¶161 of Dennis Rebuttal at 51.

<sup>65</sup> For example, a widely-cited paper on entity resolution states, “How to match and combine records is also application specific. For instance, the functions used by that company to match customers are different from those used by others to match say products or DNA sequences.” (O. Benjelloun, H. Garcia-Molina, D. Menestrina, Q. Su, S. E. Whang, and J. Widom. Swoosh: a generic approach to entity resolution. *The VLDB Journal*, 18, 255-276, 2009.)

Another paper on large-scale entity resolution states, “ER often requires extensive exploration and understanding of the data to formulate the matching algorithms. In both unstructured and semi-structured data scenarios, one needs to know which attributes are present and how frequently populated, which of these ‘identify’ an entity or are relevant for matching”. (K. Qian, L. Popa, and P. Sen. Active learning for large-scale entity resolution. In *Proceedings of the 2017 ACM on Conference on Information and Knowledge Management*, pp. 1379-1388, 2017.)

<sup>66</sup> For more details, see Section III.G of this Reply below.

record linkage literature is clear that *personal identifiers*<sup>67</sup> are the fields that are relevant for identifying persons. Chief among these personal identifiers is name.<sup>68</sup>

Names and other personal details play a crucial role in daily life because people are using them to identify individuals, ranging from family and friends, to work colleagues, and all the way to politicians and celebrities. For organisations both in the private and public sectors, names are often a primary source of identification of the individuals they are in contact with.

Personal names are a major component of the information used in many data matching or deduplication processes to identify records that refer to the same individuals.

41. Indeed, the fact that names are used to identify persons is so commonplace that people often use names in this way without explicitly noticing that they are doing so. Despite protesting the use of the name field in the Freer Aggregation Methodology, Mr. Dennis uses names in exactly this way himself on many occasions, including when referring to Maria Neves<sup>69</sup> and Nael Lopes<sup>70</sup>.

42. It is because of the nature of the TelexFree aggregation task and its dataset, in light of standard record linkage principles, that I justifiably chose the 11 personal identifier

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<sup>67</sup> “The identifying data collected about individuals generally include their names and addresses, dates of birth, social security or drivers license numbers, telephone numbers, and email addresses.” (P. Christen, *Data Matching*, Data-Centric Systems and Applications, Springer-Verlag, 2012 at 42.)

<sup>68</sup> Christen, 2012 at 42.

<sup>69</sup> Exhibit 3 of the Freer Report includes all of the User Accounts of the cluster of the Freer Aggregation Methodology having Cluster ID 132785. It is labeled simply as “Cluster 132785”. Nevertheless, Mr. Dennis refers to the same set of records in Exhibit 16 of the Dennis Rebuttal as “Maria Neves User Account Detail”. This is entirely natural to do. Where did he get the idea that this cluster corresponds to Maria Neves? Almost certainly from the field *rep\_nome*, which, in this cluster, usually contains some variation of the name “Maria Neves”.

<sup>70</sup> Mr. Dennis refers to “Nael Lopes” as a “Participant” on the basis of one record in Cluster 119427 (¶124 of Dennis Rebuttal at 41.). Looking at the table of values he provides (¶123 of Dennis Rebuttal at 41), whose last line contains a single record with *rep\_nome* “nael lopes”, it is clear that he is inferring who the Participant is via the contents of the name field. (In fact, the *rep\_email* value for this User Account is “saminha\_nunes@yahoo.com”, but note that Mr. Dennis does not refer to the Participant as “Saminha Nunes”.) Again, this illustrates how it is entirely reasonable and standard to use names to identify persons.

fields<sup>71</sup> used in the Freer Aggregation Methodology, with name in particular having a special role.

43. In contrast, consider the following example: suppose one was aggregating records of real estate property deeds, where each record denotes a sale, and the desired clustering contains one cluster of deeds per property. In that case, the most important fields would be those that identify the location of the property, such as address, GIS coordinates, or Legal Description. Note that in such records, there might be one or more fields referring to a person's name (e.g., the property owner), but such fields would *not* have a special role in this context, because the goal is for each cluster to correspond to a property (by agreeing on *where* it is), not to a person (by agreeing on *who* it is).

44. Indeed, as Chief Scientist of Remine (2017-2018) I needed to (i) perform data matching among large databases of consumer records, with a goal of one cluster of consumer records per US adult, and also (ii) perform data matching among large databases of deeds for residential properties, with a goal of one cluster of deeds per property. These two tasks had very different requirements, even though some field names were roughly in common between the two kinds of data (e.g., both had some notion of name, and some notion of address). It would have been inappropriate to use the techniques from the consumer matching problem on the deed dataset, and vice-versa.

45. Analogously, in the TelexFree aggregation task, although there are several fields containing address components, it would be inappropriate to cluster together User Accounts merely because they describe the same address, precisely because the goal is to

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<sup>71</sup> The particular fields that I chose for inclusion in the Freer Aggregation Methodology consist of the name field (*rep\_name*) along with 10 other personal identifier fields. These were selected on the basis of their relevance to the task of personal identification, as well as on the data quality of their contents, as I describe in the Freer Report at 23-31.

have one cluster per person, not one cluster per location. Similarly, it would be inappropriate to cluster merely on the basis of email addresses, phone numbers, or other potential identifiers that can be shared between distinct persons.

46. The fact that distinct persons sometimes share personal identifiers other than name (such as address, phone number, etc.) is well-understood in the data matching literature.<sup>72</sup> The standard solution is to *disambiguate* by name, i.e., to use the name field to distinguish among records that share an address or other identifiers but not a name.<sup>73</sup> Mr. Dennis does not seem aware of this fact.

47. I accomplish this disambiguation in the Freer Aggregation Methodology in the course of the blocking step.<sup>74</sup> This is a standard and reasonable way to accomplish the disambiguation<sup>75</sup> — which it is crucial that the methodology perform via some mechanism.

48. Even as the name field plays a special role in disambiguation, all 11 fields I selected play an important role in the Freer Aggregation Methodology, and the FS-EM technique analyzes the contents of *all* of these fields in determining the relative weights of these

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<sup>72</sup> Winkler has developed data matching techniques for decades at the U.S. Bureau of the Census, pioneering the use of Fellegi–Sunter with Expectation Maximization (FS-EM). In a widely-cited survey of matching and record linkage, Winkler refers several times to “nonmatches such as husband-wife or brother-sister pairs that agree on address information”. (W. E. Winkler, *Matching and Record Linkage*. In *Business Survey Methods* (ed. Cox, Binder, Chinnappa, Christiansen, Colledge, and Kot). Wiley Series in Probability and Statistics, Chapter 20, pp. 355-384, 1995.)

<sup>73</sup> Winkler notes that “results that are closer to the truth” insofar as the method “divides the set of pairs that agree on address into those agreeing on name and demographic information and those that disagree.” (Winkler, 1995.)

<sup>74</sup> A mathematically equivalent result could be obtained by appropriately setting pairwise scores following Step 6, but this would be more computationally intensive, as I explain in the Freer Report at 50-54.

<sup>75</sup> For example, Winkler describes a circumstance where performing blocking based on name is warranted in order to distinguish individuals, explaining that “Name information generally provides more distinguishing power than receipts, sales, or address information.” (Winkler, 1995.)

(*Distinguishing power* is a notion in probabilistic record linkage, which Winkler defines as follows: “A procedure, or matching variable, has more distinguishing power if it is better able to delineate matches and nonmatches than another.” (Winkler, 1995.))

fields. As such, the Freer Aggregation Methodology is not based primarily on any single field.

49. Therefore, name is not a “starting point”,<sup>76</sup> nor are User Accounts “aggregated primarily”<sup>77</sup> by the name field, as Mr. Dennis falsely alleges by insinuating that the Freer Aggregation Methodology takes the same approach as the very different Martin Report — even going so far as to gratuitously quote from the June 2021 Court Memorandum for over a page about the Martin Report, not the Freer Report<sup>78</sup>. Rather, name is used to disambiguate, as is appropriate for an aggregation methodology that identifies persons, and no single field is the primary basis of the aggregation.

50. Mr. Dennis cites 3 paragraphs (Paragraphs 5, 89, and 90)<sup>79</sup> of the Freer Report in his grandiose but incorrect claim that a particular “understanding” of mine is of “paramount importance” and “foundational to the entirety of the Freer Aggregation Process”, that I failed to provide any meaningful support demonstrating why such an understanding is grounded in fact, and that this failure renders my “Aggregation Process ... unreliable for determining Net Equity.” These claims are all false.

51. Mr. Dennis, in his confusion about name, repeatedly misinterprets the “understanding” in Paragraph 5 of the Freer Report.<sup>80</sup> It is neither “of paramount importance”<sup>81</sup> nor “foundational to the entirety of the Freer Aggregation Process”,<sup>82</sup> as he falsely alleges, nor is the “understanding” itself false, as he claims.

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<sup>76</sup> ¶¶76 of Dennis Rebuttal at 25.

<sup>77</sup> ¶¶70, 79, 97 of Dennis Rebuttal at 25, 26, 31.

<sup>78</sup> ¶79 of Dennis Rebuttal at 26-27.

<sup>79</sup> ¶¶70, 83 of Dennis Rebuttal at 21, 27-28.

<sup>80</sup> ¶¶70, 79-80, 131 of Dennis Rebuttal at 21-23, 26-27, 44.

<sup>81</sup> ¶74 of Dennis Rebuttal at 24.

<sup>82</sup> ¶¶74-75 of Dennis Rebuttal at 24.

52. Furthermore, Mr. Dennis incorrectly insinuates that Paragraph 90 of the Freer Report (describing the special role of name) depends on the “understanding” in Paragraph 5. It does not. The relevant issue in Paragraph 90 is the “major source of complexity with the TelexFree dataset” as is described in Paragraph 89 and fully documented in footnote 27. It merely uses Paragraph 5 as motivation (as it is where this complexity was earlier described).

53. To wit, Mr. Dennis criticizes the following Paragraph 5 of the Freer Report:<sup>83</sup>

Because of the pyramid nature of TelexFree’s scheme, Participants often recruited friends and relatives into the scheme. My understanding of the TelexFree scheme is that, in the course of User Account creation, it was common practice for recruits to use their own name while using the contact information (email address, phone number, street address, and other fields) of their recruiters, or for family members to share the same contact information, or for a business and an individual to share the same contact information.

54. Mr. Dennis states that “The Freer Aggregation Process is predicated on”<sup>84</sup> this “understanding”. This is false. In fact, as I explain in Paragraph 89 of the Freer Report<sup>85</sup> (which Mr. Dennis also quotes), the pyramid nature of the scheme (referred to in Paragraph 5 of the Freer Report) is part of what makes the data aggregation task complex. As I note there, in some datasets, when aggregating by persons, there is not much need to disambiguate based on name because persons who are unconnected with each other are unlikely to share identifiers in the dataset. With TelexFree, this is not the case – due to its pyramid nature, one *does* need to disambiguate based on name. This fact is true independent of the “understanding” in Paragraph 5 of the Freer Report.

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<sup>83</sup> Freer Report at 2.

<sup>84</sup> ¶70 of Dennis Rebuttal at 21.

<sup>85</sup> Freer Report at 24.

55. The “understanding” in Paragraph 5 of the Freer Report did not inform my choice of methodology, other than to suggest that it was important to consider disambiguating (which must, in turn, happen via the name field for the reasons above). Even if the “understanding” were not in fact true or justified, disambiguating based on name is still standard and appropriate in sufficiently complex datasets.

56. Mr. Dennis incorrectly states, “However, this understanding is entirely unsupported and counter to real-world case facts.”<sup>86</sup> Even though this “understanding” did not inform my choice of methodology, it does happen to be true. The pyramid nature of the scheme is well-documented.<sup>87</sup> The fact that Participants often recruited friends and relatives into the scheme is also well documented.<sup>88</sup> All three “common practices” described in the “understanding” are also true and documented:

- a. As far back as 2015, the Trustee documented that “some Participants entered the scheme using the Email Address of another Participant”<sup>89</sup>.
- b. Family members do commonly share contact information such as phone number and address.<sup>90</sup>
- c. Businesses and individuals do sometimes share the same contact information.<sup>91</sup>

57. Paragraph 89 of the Freer Report<sup>92</sup> states “As described in Paragraph 5, a major source of complexity with the TelexFree dataset is the prevalence of User Accounts that contain

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<sup>86</sup> ¶70 of Dennis Rebuttal at 21.

<sup>87</sup> “Each of the Debtors in these jointly administered cases operated a Ponzi and pyramid scheme. This ruling is the law of the case in each of the jointly administered cases.” (Amended Order on Motion by Chapter 11 Trustee for Entry of Order Finding That Debtors Engaged in Ponzi and Pyramid Scheme and Related Relief, December 21, 2015 at 2.)

<sup>88</sup> P. J. Owen, “TelexFree, other scams target local immigrants”, *Telegram & Gazette*, Worcester, MA. June 30, 2014.

<sup>89</sup> ¶46 Affidavit of Stephen B. Darr in Support of Motion by Chapter 11 Trustee for Entry of Order Finding That Debtors Engaged in Ponzi and Pyramid Scheme and Related Relief, October 7, 2015 at 11-12.

<sup>90</sup> See, for example, Exhibit 9.11 of the Initial Dennis Rebuttal of July 31, 2020.

<sup>91</sup> See, for example, Exhibit 9.5 of the Dennis Rebuttal.

<sup>92</sup> Freer Report at 24.

different names, but the same email address, phone number, address, etc.” This is immediately followed by a footnote:<sup>93</sup>

For multiple examples of distinct Participants (with different names) having the same contact information as each other in several fields, see the following Exhibits of the July 31, 2020 Rebuttal Expert Report of Joshua W. Dennis: Exhibits 9.1 and 9.5 (individual and business), Exhibits 9.2 and 9.3 (same email or address), Exhibit 9.4 (different businesses with the same address and email), Exhibits 9.6 and 9.11 (same last name and phone, but different first names), Exhibit 10 (same email, address, and last name, but verified by affidavits to be spouses – see July 29, 2020 affidavits of Frantz Balan and Lusette Balan).

58. Although this “major source of complexity” was first described in Paragraph 5, the conclusion that Paragraph 89 draws is true independently,<sup>94</sup> and does not rely on Paragraph 5 for its conclusion.

59. In summary, I did not rely on this “understanding” in designing or implementing the methodology. Rather, my design and implementation of the methodology are based upon the contents of the data, established data science principles, and the nature of the task. In particular, Mr. Dennis’ assertion that this “understanding,” was “of paramount importance”<sup>95</sup> is false, as is his claim that “[i]t is foundational to the entirety of the Freer Aggregation Process”.<sup>96</sup> Mr. Dennis’ conclusion is also false: “Thus, if Dr. Freer’s

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<sup>93</sup> Freer Report at 24, footnote 27.

<sup>94</sup> The “understanding” in Paragraph 5 of the Freer report describes 3 circumstances (which did occur, as I analyzed above in this Reply). Each of these 3 circumstances leads to “User Accounts that contain different names, but the same email address, phone number, address, etc.”, as I explain in Paragraph 89 of the Freer Report, quoted above. In the quoted footnote, I provided detailed evidence for the existence of such User Accounts in the TelexFree dataset (in fact, all taken from examples that Mr. Dennis earlier provided in his previous rebuttal report dated July 31, 2020). I do believe that this constitutes “a major source of complexity with the TelexFree dataset”, and for this reason, one needs to consider methods for disambiguation. Furthermore, the existence of such User Accounts described in that footnote and leading to this complexity, is true independent of the “understanding” in Paragraph 5 of the Freer Report.

<sup>95</sup> ¶74 of Dennis Rebuttal at 24.

<sup>96</sup> ¶74 of Dennis Rebuttal at 24.



assumption regarding the Name Field is found to be inaccurate, it would render the entirety of his analysis unreliable.”<sup>97</sup>

**B. Mr. Dennis misunderstands what constitutes sufficient data quality.**

60. Mr. Dennis misunderstands what constitutes sufficient data quality. He quotes from

Christen to insinuate that the TelexFree dataset constitutes “garbage-in”,<sup>98</sup> which is far from the truth, and which demonstrates that Mr. Dennis misunderstands what the record linkage literature is talking about with respect to data quality.

61. The TelexFree dataset is of more than sufficient quality to warrant performing an aggregation methodology, as I analyzed in detail in the Freer Report.<sup>99</sup> The dataset is overwhelmingly not “garbage-in” on the whole.<sup>100</sup>

62. Mr. Dennis then uses his mistaken understanding of data quality and his misapprehension of the Christen quote to further insinuate that the aggregation output is “garbage-out”.<sup>101</sup> This, too, is nonsense. The output is of high quality, as I demonstrated in the Freer Report.<sup>102</sup>

63. Mr. Dennis also asserts that the minimal validation performed by the TelexFree website at the time of data input implies that the data is “garbage-in”.<sup>103</sup> Yet examining the actual data (as I have done) reveals that it is not “garbage-in”. Mr Dennis’ statements suggest that he has not done *any* statistical evaluation of the data quality.

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<sup>97</sup> ¶75 of Dennis Rebuttal at 24.

<sup>98</sup> ¶112 of Dennis Rebuttal at 37.

<sup>99</sup> Section III.B of Freer Report at 23-37.

<sup>100</sup> The Freer Report occasionally mentions “garbage” such as “..”, “11111”, or “,”, in the context of certain field values. These represent a very small portion of the total User Accounts, as I have quantified (¶128 and elsewhere in the Freer Report).

<sup>101</sup> ¶112 of Dennis Rebuttal at 37.

<sup>102</sup> Freer Report 73-78.

<sup>103</sup> ¶112 of Dennis Rebuttal at 36-37.

64. Mr. Dennis appears especially concerned,<sup>104</sup> and unreasonably so, about the idea that names were entered into an Internet website in a minimally validated way. This is neither a problem nor unusual. In general, data entered into Internet websites for consumer products is only minimally validated. Full validation of user input to consumer websites is not common, in part because it causes commercial friction (reducing user engagement or purchases). To the extent that validation does happen on data, it is most often applied to structured data fields such as email address or date of birth, which have a standardized format. Street addresses can sometimes be validated using GIS databases, but that can be more difficult for databases of global consumers.
65. Names, on the other hand, are most often validated through single-sign-on providers, such as “Google Sign-In” or “Facebook Login”. Such services were substantially less common in 2012-2014, and in any case, users find validation of names in this way to be “invasive”.<sup>105</sup> Therefore it is neither surprising nor worrisome that the TelexFree dataset was only minimally validated.
66. As a result, it is perfectly reasonable for an aggregation methodology to make use of minimally validated data in the TelexFree case. Of course, regardless of the level of validation, the data quality still has to be sufficient, as I have determined it to be.
67. I justified the data as being of high quality in the Freer Report already, but as a further illustration, I will now walk through a statistically valid subsample to show exactly how much Mr. Dennis misunderstands the quality of the TelexFree dataset when he speaks of “garbage-in”. For the 12 fields I have selected from the *representante* data table for the

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<sup>104</sup> ¶¶95-96 of Dennis Rebuttal at 31.

<sup>105</sup> L. Bauer, C. Bravo-Lillo, E. Fraggaki, and W. Melicher. A comparison of users' perceptions of and willingness to use Google, Facebook, and Google+ single-sign-on functionality. In *Proceedings of the 2013 ACM Workshop on Digital Identity Management*, pp. 25-36. 2013.

Freer Aggregation Methodology, I illustrate their quality and describe their general properties.

68. Exhibits 2.1 through 2.13 show randomly-sampled values of the 12 fields included from *representante*. Exhibit 2.1 shows all 12 fields for 400 randomly-selected records (chosen with fixed random seed, as described below in Section III.E of this Reply), which provides a sense of how the values in the various columns generally cohere with one another. For example, portions of the name in *rep\_nome* often appear as part of the email address in *rep\_email*, and the two phone numbers (*rep\_cel* and *rep\_fone*) usually have a similar format to each other (e.g., are of similar length and share initial digits). Also observe that the three address components (*rep\_end*, *rep\_numero*, and *rep\_cep*) typically appear believable in combination (e.g., the number in *rep\_numero* is sometimes part of *rep\_end*).
69. Exhibit 2.2 shows the 400 values occurring in Exhibit 2.1 for the first of these fields, *rep\_id*, sorted numerically. They are randomly distributed within the range of *rep\_id* values that occur in *representante*.
70. Exhibit 2.3 shows the 400 values that occur in Exhibit 2.1 for the field *rep\_nome*, sorted alphabetically. They are generally of high quality, and are quite similar in character to those values shown in Exhibit 3 (see Section III.E.ii of this Reply below).
71. Exhibit 2.4 shows the 400 values that occur in Exhibit 2.1 for the field *rep\_email*, sorted alphabetically using the characters in reverse order, so as to draw out the patterns in domain names. (Empty values are represented with a gray box.) Note that 85.5% have a domain name among the top four values: “gmail.com” (48.25%), “hotmail.com” (26.5%), “yahoo.com” (6.75%), “163.com” (4%). In fact, 98.5% of the 400 values are in the

standard format for email addresses as defined in an Internet specification concerning email address, RFC 2822,<sup>106</sup> using the same email validation test that I ran in the Freer Report.<sup>107</sup>

72. Exhibit 2.5 shows the 400 values that occur in Exhibit 2.1 for the field *rep\_cel*, sorted alphabetically. Observe that it very often appears to be plausibly a phone number (e.g., contains numerical digits 0 through 9, and is of an appropriate length).
73. Exhibit 2.6 shows the 400 values that occur in Exhibit 2.1 for the field *rep\_fone*, sorted alphabetically. Observe that it, too, very often appears to be plausibly a phone number.
74. Exhibit 2.7 shows the 400 values that occur in Exhibit 2.1 for the field *rep\_end*, sorted alphabetically. Observe that it very often appears to be plausibly a street name (sometimes including a house number as well).
75. Exhibit 2.8 shows the 400 values that occur in Exhibit 2.1 for the field *rep\_numero*, sorted alphabetically. (Empty values are represented with a gray box.) Observe that it often appears to be plausibly a street number; in some cases, the number is already included in that User Account's *rep\_end* value and does not appear again here (see Exhibit 2.1).
76. Exhibit 2.9 shows the 400 values that occur in Exhibit 2.1 for the field *rep\_cep*, sorted alphabetically. Observe that it, too, very often appears to be plausibly a postal code (such as ZIP Code within the US).
77. Exhibit 2.10 shows the 400 values that occur in Exhibit 2.1 for the field *rep\_login*, sorted alphabetically. Its values appear consistent with being a user-selected login name.

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<sup>106</sup>RFCs are specifications for Internet services, and RFCs 2821 and 2822 concern email addresses. For RFC 2822 specifically, see "RFC 2822", retrieved from <https://datatracker.ietf.org/doc/html/rfc2822>

<sup>107</sup> Freer Report at 26-27.

78. Exhibit 2.11 shows the 400 values that occur in Exhibit 2.1 for the field

*rep\_pwd\_secondary*, sorted alphabetically. It is null for 75% of these User Accounts, it takes the value “f1fb1ea9a408b1f321062e86ec4bae3e” twice, and it is distinct for the remaining 24.5% of values, consistent with being the md5sum hash of a user-supplied password (when non-null).

79. Exhibit 2.12 shows the 400 values that occur in Exhibit 2.1 for the field *rep\_cpf*, sorted alphabetically. It is always non-null, and often appears to plausibly be a national ID value (analogous to Social Security Number in the US). However, as I analyzed in the Freer Report,<sup>108</sup> it turns out that the contents of *rep\_cpf* often vary widely within a collection of User Accounts that largely agree on other field values, though this is not apparent from these 400 values.

80. Exhibit 2.13 shows the 400 sorted values that occur in Exhibit 2.1 for the field *rep\_datanasc*, sorted chronologically. It is null for 77% of these User Accounts, and otherwise takes distinct values. All but one of these values is in the range between “1947-10-26” and “1996-10-04” (which all seem highly plausible as birthdates), and one is “2013-01-28” (which seems implausible given the timing of the TelexFree scheme).

81. Note that (with the exception of *rep\_cel* and *rep\_fone* contents looking very similar to each other, and fairly similar to the contents of *rep\_cpf*), one could easily infer how to label the contents of each of these fields among the 12. In other words, even without the field names at the top of each page, it is clear that Exhibit 2.3 contains names, and that Exhibit 2.4 contains email addresses, etc.

82. This illustrates that the input data is consistent with its labeled field name, and is of sufficient quality for use in the Freer Aggregation Methodology.

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<sup>108</sup> Freer Report at 30.

**C. Mr. Dennis misunderstands whether ground truth data is required to assess accuracy of the aggregation methodology.**

83. Mr. Dennis is confused about the potential need for ground truth data in the Freer Aggregation Methodology.<sup>109</sup> Such data is not required for either running the methodology or for evaluating its output.
84. Some machine learning algorithms fall under the category of “supervised learning”, and require a dataset that is labeled with “ground truth” for both training the model and for evaluating the accuracy of the trained model. Other machine learning algorithms perform “unsupervised learning”, and do not rely on labeled data for either training or assessment. Unsupervised learning algorithms identify patterns and structure within the input data itself during training.<sup>110</sup>
85. Unsupervised learning techniques are crucial in record linkage, as Linacre (author of the Splink software package) explains: “Manual labelling of comparisons is error prone and costly so isn’t a great option.”<sup>111</sup>
86. The standard method in the field of probabilistic record linkage, the Fellegi-Sunter model with Expectation Maximization (FS-EM), is an unsupervised learning technique that accomplishes high-quality record linkage from a dataset that is unlabeled, such as the TelexFree dataset.<sup>112</sup>
87. The technique behind the Splink Python package, which implements FS-EM for large datasets, has itself been extensively tested using gold standard data, and has found to be

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<sup>109</sup> ¶111 of Dennis Rebuttal at 36.

<sup>110</sup> C. M. Bishop, *Pattern Recognition and Machine Learning*, Springer, 2006.

<sup>111</sup> R. Linacre, *The Intuition Behind the Use of Expectation Maximisation to Train Record Linkage Models*, October 14, 2022. Retrieved from [https://www.robinlinacre.com/em\\_intuition/](https://www.robinlinacre.com/em_intuition/)

<sup>112</sup> Referring to “[h]ow unsupervised learning is used to estimate model parameters in Splink”, Linacre notes that “[t]he Expectation Maximisation (EM) algorithm provides a solution” to “the problem of training a record linkage model” without labeled data. (Linacre, 2022.)

quite accurate and with well-calibrated error rates.<sup>113</sup> As a result, Splink is a reliable probabilistic record linkage package for use in the unsupervised learning setting of TelexFree data.

**D. Mr. Dennis misrepresents the academic literature.**

88. It is unclear whether Mr. Dennis is being intentionally misleading, or simply misunderstands the content (due to his inexpertise), but Mr. Dennis systematically misrepresents the academic literature. Accordingly, one should be cautious in reading his evaluations of academic literature.

*i. Mr. Dennis misunderstands Christen regarding transitive closure.*

89. The way Mr. Dennis quotes Christen about transitive closure demonstrates a lack of understanding of Christen's point, and shows that Mr. Dennis misunderstands the reason that the Freer Aggregation Methodology uses dynamic clustering.

90. In Paragraph 126 of the Dennis Rebuttal, Mr. Dennis says "On this point, Section 6.8 of the Christen Text addresses issues managing transitive closure of clusters stating:"<sup>114</sup> and then quotes Christen:<sup>115</sup>

The transitivity of matches can also lead to **problems** in that 'chains' of records, where individual pairs are classified as matches, are formed. The records at the two ends of the chain can, however, be quite different from each other, and they would not be considered to correspond to a match. [bold emphasis added]

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<sup>113</sup> T. Enamorado, B. Fifield, and K. Imai. Using a probabilistic model to assist merging of large-scale administrative records. *American Political Science Review*, 113(2), 353-371, 2019.

<sup>114</sup> ¶126 of Dennis Rebuttal at 42.

<sup>115</sup> Section 6.8 of Christen, 2012.

91. Mr. Dennis incorrectly sees the circumstance of chaining as an “issue”<sup>116</sup> with the Freer Aggregation Methodology, rather than as an unavoidable and standard circumstance that *any* aggregation methodology must address. Rather, Christen’s text and Mr. Dennis’ quote of my deposition<sup>117</sup> are saying that in developing an aggregation methodology, one must carefully address this circumstance, *not* that the aggregation methodology is inherently problematic because of this inevitably-arising circumstance.

92. Indeed, in a more recent text (of which Mr. Dennis is seemingly unaware), Christen himself proposes a way of addressing this challenge:<sup>118</sup>

One challenge with both traditional probabilistic data linkage and modern supervised pairwise classification techniques is that they can lead to inconsistent results due to nontransitivity (Christen, 2012). If we have classified record pair (R1, R2) as a match and (R1, R3) as a match, then the pair (R2, R3) should also be a match. However, when the pairs are looked at separately, the third pair might have been classified as a non-match – or even not compared at all if blocking was used. **This issue can be overcome by considering data linkage classification as a clustering problem** (Hassanzadeh, Chiang, Lee, & Miller, 2009) where the aim is to group all records that refer to the same entity into one cluster. [bold emphasis added]

93. I do precisely as Christen suggests, and overcome this “issue” by the use of dynamic clustering (which views the data linkage task as a clustering problem) in Step 8 of the Freer Aggregation Methodology.<sup>119</sup>

*ii. Mr. Dennis misunderstands Christen regarding data quality.*

94. Mr. Dennis shows a lack of understanding of data accuracy, and demonstrates such by misleadingly quoting from Christen.

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<sup>116</sup> ¶125 of Dennis Rebuttal at 42.

<sup>117</sup> ¶127 of Dennis Rebuttal at 42.

<sup>118</sup> P. Christen. Data linkage: The big picture. *Harvard Data Science Review*, 1(2), 2019.

<sup>119</sup> Freer Report at 63-72.



95. Christen writes:<sup>120</sup>

Arguably the most important data quality dimensions for data matching and deduplication are *accuracy* and *consistency*, **because a large portion of efforts in the indexing, comparisons and classification steps (that will be covered in Chaps. 4–6) deal with inaccurate and inconsistent data. If data would be of perfect quality, then data matching could be accomplished through straightforward database join operations and no sophisticated indexing techniques or approximate comparison functions would be needed. As long as data are of imperfect quality, however, techniques are needed that can deal with inaccurate and inconsistent data while still achieving high matching quality.** [bold emphasis added]

96. Mr. Dennis quotes the first clause of this quote in Paragraph 94 of the Dennis Rebuttal.<sup>121</sup>

He conveniently omits the rest of the sentence and the rest of the paragraph, and completely misses the point. Christen explains that *because* data is not perfectly accurate, researchers in data matching have developed methods for dealing with imperfectly accurate data. As Christen explains, the data matching task is easy and sophisticated techniques are unnecessary when the data is perfectly accurate. The subject of data matching and its associated academic literature exist precisely *because* data is seldom perfectly accurate.<sup>122</sup>

97. These “techniques ... that can deal with inaccurate and inconsistent data while still achieving high matching quality” are in fact the subject of Christen’s book. The rest of the book following this introduction describes precisely the techniques that I use in the Freer Aggregation Methodology to achieve “high matching quality” in the face of “imperfect quality” input data. These techniques described by Christen begin with field selection and data cleaning, followed by blocking, field and record comparison using

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<sup>120</sup> Christen, 2012 at 40.

<sup>121</sup> Dennis Rebuttal at 30.

<sup>122</sup> Note that Mr. Dennis does not even say what would constitute such reliability and accuracy. He specifically testified that he does not have an opinion of what is a sufficient quantum of proof to verify that data in this case was reliable and accurate. (Dennis Tr., 173:21-175:11.)

string nearness measures for fuzzy matching, Fellegi-Sunter with Expectation Maximization to form clusters based on these comparisons, and assessment of error rates. The Freer Aggregation Methodology performs precisely those steps that Christen recommends in the continuation of the quote that Mr. Dennis omitted, so as to obtain “high matching quality”.

98. Mr. Dennis might not understand this, but the presence of errors and variations in field values such as names and addresses is to be expected, and record linkage can often still be successfully performed. For example, Christen et al. write, “Furthermore, since the identification of the same entity is most often based on imperfect data, the linkage has to consider variations and errors in quasi-identifiers<sup>123</sup> such as names and addresses.”<sup>124</sup> The same authors go on to say that “When data are manually entered (typed), then typographical errors are not uncommon, especially in name and address values”<sup>125</sup>. The task of record linkage is precisely to merge records in the face of input data errors: “Record linkage tries to link databases containing error-prone indirect quasi-identifying identifiers... This generally requires error-tolerant comparison functions, also known as approximate matching functions”.<sup>126</sup> In fact, this is often possible for messy data; the book describes a number of approaches that “can achieve high linkage quality even for databases that contain records with errors and variations in quasi-identifying attribute values.”<sup>127</sup>

99. By following the steps that Christen describes, it is possible to obtain high quality data matching, even when the input dataset is imperfect, as many real-world datasets are. The

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<sup>123</sup> Christen refers to descriptions in records as “quasi-identifiers”.

<sup>124</sup> P. Christen, T. Ranbaduge, and R. Schnell. *Linking sensitive data: Methods and techniques for practical privacy-preserving information sharing*. Springer, 2020 at 25.

<sup>125</sup> Christen, Ranbaduge, and Schnell., 2020 at 60.

<sup>126</sup> Christen, Ranbaduge, and Schnell, 2020 at 9.

<sup>127</sup> Christen, Ranbaduge, and Schnell, 2020 at 260.

Freer Aggregation Methodology follows these steps, and accordingly obtains a high quality aggregation output.

**E. Mr. Dennis’ statistical inexpertise leads to invalid criticisms of the Freer Report.**

100. Several of Mr. Dennis’ critiques of the Freer Report are flawed due to his poor understanding of statistical analysis and sample size, as I now illustrate in two instances.

*i. Mr. Dennis unreasonably attacks an example cluster illustrating high output quality.*

101. Referring to Exhibit 3 of the Freer Report, Mr. Dennis writes, “Dr. Freer provides no discussion regarding if or how this single Cluster, presumably selected at his own discretion, is representative of the entire dataset.”<sup>128</sup> To claim that it was chosen at my “discretion” is unreasonable; as I stated, I selected it because it is the “cluster that has the greatest Total Net Equity”,<sup>129</sup> as Mr. Dennis conveniently omits.

102. Mr. Dennis misunderstands the statistical relevance of such an example. I stated that it is an “example cluster”, chosen “[t]o illustrate several aspects of the aggregation methodology<sup>130</sup>, rather than “representative of the entire dataset” as Mr. Dennis claims.

103. Furthermore, this cluster does in fact illustrate the high quality of the output. For example, consider its false discovery rate (FDR). In Exhibit 16 of the Dennis Rebuttal, Mr. Dennis has manually grouped its 471 User Accounts into three sections. The first section has two User Accounts (those with *rep\_id* 11501403 and 15376207); the *rep\_nome* values are “maria lares” and “rita lares” respectively, and are plausibly false

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<sup>128</sup> ¶100 of Dennis Rebuttal at 32.

<sup>129</sup> ¶214 of the Freer Report at 75.

<sup>130</sup> ¶214 of the Freer Report at 75.

positives for this cluster. The second section has three User Accounts (those with *rep\_id* 196685, 1902924, and 16337571); the *rep\_nome* values are “maria neves”, “Maria Neves”, and “maria neves” respectively, but the *rep\_email* values differs from those in the rest of the cluster, and these records are potential false positives for the cluster. Mr. Dennis’ grouping of these User Accounts indicates as much. Even assuming that all five of the User Accounts in the first two sections were false positives, the FDR for the records in this cluster would be approximately 1.1%, consistent with the 1.98% overall FDR that I estimate in the Freer Report.<sup>131</sup>

*ii. Mr. Dennis misunderstands statistical significance and sample size.*

104. Mr. Dennis also does not appear to understand the concept of statistical significance in relation to sample size. He incorrectly insinuates that a sample size of 300 out of millions of user accounts was too small to draw a valid conclusion about the quality of the name field.<sup>132</sup> In particular, Mr. Dennis’ focus on the percentage of records used in the estimate (0.0028%) rather than the number (300) is misleading and reveals his lack of understanding of statistical principles.<sup>133</sup>

105. In the Freer Report, I describe my methodology for estimating the quality of the name field:<sup>134</sup>

Indeed, the name field (*rep\_nome*) in the TelexFree dataset is of very high quality (despite variations in case, punctuation, spaces, and other typical issues that data cleaning and fuzzy matching can account for). First, the name field is only empty in 0.002% of User Accounts and is never null. Second, nearly all of the name values contain strings consisting entirely of alphabetical characters or the symbols commonly found in names

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<sup>131</sup> ¶213 of Freer Report at 74.

<sup>132</sup> “Dr. Freer performed a manual review of just 300 Name Field values from this remaining population, or 0.0028% of remaining User Accounts with Name Field values that are both five characters or longer and contain only the characters commonly found in names.” (¶104 of Dennis Rebuttal at 34.)

<sup>133</sup> For example, Mr. Dennis is unfamiliar with Cochran’s Formula, a standard statistical formula for determining how to choose sample size. (Dennis Tr., 80:9-83:18)

<sup>134</sup> Freer Report at 25-26.

(period, comma, hyphen, space, or apostrophe) – as opposed to numbers or other symbols – which is an indication that the value is a legitimate name. Specifically, 97% of the name field values are both five characters or longer and contain only the characters described above. Furthermore, a manual review reveals that in a random sample of 300 name field values meeting this criterion, 98% look like a name. Here are the first 10 values taken from that random sample: ...

106. Exhibit 3 shows the 300 values of *rep\_name* on the basis of which I estimated that

“98% look like a name”. Note that the first 10 values are the same as in the Freer Report.

I set a *random seed* in a specific way that makes the methodology reproducible, and demonstrably *not* cherry-picked.<sup>135</sup>

107. Note that while these values shown are all within the subset of 97% for which the

“name field values are both five characters or longer and contain only the characters

described above”, I manually looked at this subset only so as to quickly obtain a valid

lower bound. In fact, the total portion of *rep\_name* values that “look like a name” is

somewhat higher than my lower bound, because some values in the unreviewed 3% also

contribute to overall name field quality.<sup>136</sup>

108. Mr. Dennis incorrectly asserts that “Dr. Freer estimates that in 95% of the User

Accounts, the value of the *rep\_name* field appears to be a name.”<sup>137</sup> In fact, I state, “I

estimate that in **at least** 95% of the User Accounts, the value of the *rep\_name* field

appears to be a name.”<sup>138</sup> [bold emphasis added] This is because, as noted above, I did not

manually review 3% of the records. As a result, Mr. Dennis is also incorrect when he

alleges that “by Dr. Freer’s own admission, there are **over** 500,000 User Accounts that do

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<sup>135</sup> I randomly sampled 100 values with each of the random seeds 101, 102, and 103 using the *sample* method of pandas after first subselecting the 10,606,222 records of the 10,987,617 User Accounts that were both five characters or longer and contain only alphabetical characters, period, comma, hyphen, space, or apostrophe. Setting a random seed to 101, then iterating through values 102, 103, etc., is a standard technique to get representative samples in a way that is reproducible and demonstrably not cherry-picked.

<sup>136</sup> For example, this 3% includes many valid Chinese names of 4 or fewer characters, or business names containing a number.

<sup>137</sup> ¶105 of Dennis Rebuttal at 34.

<sup>138</sup> ¶94 of Freer Report at 26.

not appear to contain a name in the Name Field.”<sup>139</sup> [bold emphasis added] Mr. Dennis is making a basic mathematical error; the correct conclusion to be drawn from my statements is an *upper* bound, not a lower bound, on the number of “User Accounts that do not appear to contain a name in the Name Field”.

109. At the time of writing the Freer Report, I noted that 7 values of *rep\_nome* (from the subsample of size 300) appear likely to be something other than actual names, while the remaining 293 are plausibly names (albeit with occasional typos, abbreviations, and unusual capitalization). These 7 values are: “sd lkjhgf”, “xxxxxxxxxxxx xxxxxxxxxxxx”, “aaaaa aaaaa”, “LARRY KING LIVE”, “VOIP VOIP”, “svgb wang”, “lightning carrier”. This was the basis of my estimate that “98% look like a name”.

110. These 300 field values provide a meaningful estimate of how often field values of *rep\_nome* appear to be a name, contrary to Mr. Dennis’ insinuation that 300 records is insufficiently small to draw a conclusion. The sample size that is needed to draw a statistically significant conclusion typically grows much more slowly than linearly in the population size. For example, using the Sample size calculator<sup>140</sup> of Qualtrics, a large firm that enables millions of surveys annually, the Ideal Sample Size on a population of size 11,000 to obtain a 5% Margin of Error with 90% Confidence Level is 265, while on a population size of 11,000,000 (1000 times larger), the Ideal Sample Size is still just 271 (less than 300). For this reason, it is misleading for Mr. Dennis to refer to the percentage of records (“0.0028%”) used in the estimate, rather than the number (“300”), and statistically illiterate for Mr. Dennis to suggest that 300 is far too small of a sample size on which to base any conclusion.

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<sup>139</sup> ¶105 of Dennis Rebuttal at 34.

<sup>140</sup> Qualtrics, “Sample size calculator”, April 12, 2023. Retrieved from <https://www.qualtrics.com/blog/calculating-sample-size/>

111. With only a modestly larger sample size, the confidence could be increased even further, and the margin of error made even smaller. For example, a sample size of 1067 yields 3% Margin of Error with 95% Confidence Level on a population size of 11,000,000. Using the same methodology as for the 300 samples and the same initial random seed, I have reproducibly obtained 1067 samples of *rep\_nome* meeting the above criteria, and found 21 of these records to be likely something other than names. As a result, I estimate that out of “the name field values [that] are both five characters or longer and contain only the characters described above”, approximately 98.03% “look like a name”, consistent with my earlier 98% estimate, and now with even higher confidence and lower margin of error. This is hardly surprising, as 300 was already sufficient for a statistically significant conclusion, and further illustrates how Mr. Dennis’ criticism of that sample size of 300 was unfounded.

**F. Mr. Dennis misunderstands transitive closure.**

112. Mr. Dennis misunderstands the concept of transitive closure.<sup>141</sup> As a result, several of Mr. Dennis’ attacks in the Dennis Rebuttal<sup>142</sup> are unfounded.

113. In an aggregation task, a set of records is partitioned into clusters, with one cluster per entity that is identified by the descriptions contained in these records.<sup>143</sup> (In the case of TelexFree, each record is a User Account, and a cluster of User Accounts identifies its Participant.) The definition of such a *partition* of the set of records is that it is mutually

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<sup>141</sup> Dennis Tr., 77:4-23.

<sup>142</sup> ¶¶ 125, 126, 128, and 131 of Dennis Rebuttal at 42-44.

<sup>143</sup> “By definition, an ER [entity resolution] process partitions a set of references into disjoint subsets (sometimes called clusters), where all the records in that subset are judged by the process to refer to the same entity.” (J. Talburt, *Entity Resolution and Information Quality*. Elsevier, 2011 at 84-85.)

exclusive and collectively exhaustive (“MECE”): it is a collection of non-overlapping, non-empty clusters of records whose union is equal to the original set of records.<sup>144</sup>

114. Partitions satisfy a key property: they are transitively closed, in the sense that if records A and B are in the same cluster as each other, and records B and C are in the same cluster as each other, then A and C must be in the same cluster as each other. This basic mathematical result is well-known in the entity resolution literature, and it follows from the fact that every record appears in one and only one cluster of a partition.<sup>145</sup>

115. In particular, the output of *any* aggregation task will be transitively closed, regardless of the technique that is used. Mr. Dennis does not seem to understand this, and he unfairly disparages the Freer Aggregation Methodology on account of his failure to understand.<sup>146</sup>

Q. Okay. And do you have any opinion as to whether transitive closure was something that was a required step in this process that Dr. Freer engaged in? ... in other words, if you don’t do transitive closure, is there another way to skin the cat? ...

A. I think it depends.

Q. Depends on what?

A. Depends on the approach taken.

116. The fact that every partition is transitively closed means that some false positives and false negatives will be unavoidable in any aggregation task. To simplify Mr. Dennis’ example,<sup>147</sup> consider three records A, B, C, where A and B largely agree in their descriptions, B and C largely agree in their descriptions, and A and C substantially disagree in their descriptions. One might ask for a clustering in which A and B occur in

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<sup>144</sup> “A partition of a set S is simply a collection of nonempty subsets of S ... that do not overlap ... yet is large enough to cover all of S” (Talburt, 2011 at 82.)

<sup>145</sup> Theorem 3.4 of Talburt, 2011 states that every partition is transitively closed in the sense that the set of pairs of records that occur in the same cluster as each other is a relation that satisfies the transitive closure property (see Definition 3.1). (Talburt, 2011 at 81-83.)

<sup>146</sup> Dennis Tr., 91:19-92:6.

<sup>147</sup> ¶125 of Dennis Rebuttal at 42.



the same cluster, B and C occur in the same cluster, and A and C do not appear in the same cluster. However, this is impossible to achieve by *any* technique. Every partition of the records will result in either (i) A and B being in different clusters (potentially a false negative), or (ii) B and C being in different clusters (potentially a false negative), or (iii) A and C being in the same cluster (potentially a false positive). This fundamental tension is inherent to aggregation itself, and not to any particular chosen technique. Mr. Dennis misunderstands this basic point, and unreasonably blames the Freer Aggregation Methodology for this “issue”.<sup>148</sup>

117. Indeed, this tension explains why any reasonable aggregation methodology will tend to have some false positives and some false negatives, a related point on which Mr. Dennis appears confused.<sup>149</sup> Mr. Dennis seems to think that finding a small number of false positives or a small number of false negatives exhibits a failure of a methodology, rather than understanding that this is inevitable in any aggregation methodology.

**G. Mr. Dennis is mistaken about the required output of the aggregation task.**

118. Mr. Dennis is wrong about the required output of the aggregation task.<sup>150</sup> As a result, Mr. Dennis incorrectly claims that I have “Failed to Deliver the Full Scope” of my “Engagement”.<sup>151</sup> The required output in the TelexFree case is a set of clusters of User Accounts such that each cluster identifies a Participant. This is the output of the Freer Aggregation Methodology.

119. More concretely, the required output is a set of clusters of User Accounts, where each cluster belongs to a single Participant and every Participant has exactly one cluster. Mr.

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<sup>148</sup> ¶125 of Dennis Rebuttal at 42.

<sup>149</sup> ¶125 of Dennis Rebuttal at 42 and Dennis Tr., 124:19-126:12.

<sup>150</sup> ¶¶70, 163-165 of Dennis Rebuttal 22-23 and 52-53.

<sup>151</sup> Dennis Rebuttal at 52.

Dennis seems to misconstrue this process in his Rebuttal,<sup>152</sup> believing that the Freer Aggregation Methodology is a “purely mathematical exercise”<sup>153</sup> that does not achieve the intended task. However, the Freer Aggregation Methodology does indeed produce the required output, as described in the Freer Report and as I now outline:

- a. A Participant, as per the Court’s definition, is a person.<sup>154</sup>
- b. A person is identified through various *descriptions*,<sup>155</sup> such as their name (including any aliases), addresses, phone numbers, email addresses, and other personal identifiers.<sup>156</sup> For example, a Participant might be identified as follows, from the descriptions in its cluster: “The Participant is a person called Maria Neves or Maria T Neves, living at one or more of these 3 addresses, and with one or more of these 4 phone numbers...”
- c. Each User Account has descriptions that identify a Participant, including name, address, phone numbers, and email address.<sup>157</sup>
- d. The aggregation methodology creates *clusters* of User Accounts that identify Participants using the descriptions contained in these User Accounts. Specifically, starting with the set of User Accounts, it generates a set of clusters such that (i)

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<sup>152</sup> ¶¶70, 163-165 of Dennis Rebuttal at 22-23 and 52-53.

<sup>153</sup> ¶¶70, 163 of Dennis Rebuttal at 22 and 52.

<sup>154</sup> Memorandum in Support of Proposed Supplemental Order Respecting Motion by Chapter 11 Trustee for Entry of Order Finding that Debtors Engaged in Ponzi and Pyramid Scheme and Related Relief, January 19, 2016 at 3.

<sup>155</sup> “One of the most critical tasks for improving data quality and increasing the reliability of data analytics is Entity Resolution (ER), which aims to identify different descriptions that refer to the same real-world entity.” (V. Christophides, V. Efthymiou, T. Palpanas, G. Papadakis, and K. Stefanidis. An overview of end-to-end entity resolution for big data. *ACM Computing Surveys* (CSUR) 53, no. 6: 1-42. 2020.)

<sup>156</sup> “The identifying data collected about individuals generally include their names and addresses, dates of birth, social security or drivers license numbers, telephone numbers, and email addresses.” (Christen, 2012 at 42.)

<sup>157</sup> “ER aims to identify different descriptions that refer to the same real-world entity appearing either within or across data sources, when unique entity identifiers are not available. Typically, ER aims to match structured descriptions (i.e., records) stored in the same (a.k.a., deduplication), or two different (a.k.a., record linkage) relational tables.” In this terminology, the task for the TelexFree case is one of deduplication. (Christophides et al., 2020.)

each User Accounts is in one and only one cluster and (ii) each cluster contains those and only those User Accounts that, through the set of their descriptions, identify a Participant.<sup>158</sup>

120. Note that having multiple descriptions is helpful towards contacting the Participant, as it provides a broader range of ways to reach them.

121. Also, note that there is no predetermined list of Participants, nor is their total number known in advance.<sup>159</sup> The number or list of Participants are not required as input to the aggregation methodology.<sup>160</sup> Instead, these details emerge from the aggregation methodology itself. Since there is no predetermined list of Participants to which User Accounts or clusters can be assigned, the only way that an aggregation methodology “assigns” User Accounts to a Participant is via the way that descriptions contained in the User Accounts of a given cluster identify a Participant.

122. The way I have described the task of the aggregation methodology is standard in the entity resolution (“ER”) literature.<sup>161</sup>

[A]n external view of identity is one in which some number of attribute values for an identity have been collected, but it is not certain if it is a complete collection of values or even if all the values are correct. ... In an external view, the collection of attribute values that have been linked together by the system comprises its view of the identity of the entity. In other words, an ER system based on an external view builds its knowledge about entity identities piece by piece. The external view of identity more closely

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<sup>158</sup> In the standard approach to entity resolution with a single dataset as input, “matching entities are typically grouped within disjoint clusters such that any two entities in a cluster should match with each other and no entity should match with entities of other clusters.” (A. Saeedi, M. Nentwig, E. Peukert, and E. Rahm. Scalable matching and clustering of entities with FAMER. *Complex Systems Informatics and Modeling Quarterly* 16: 61-83, 2018.)

<sup>159</sup> This circumstance is common in record linkage: “clustering algorithms must be *unconstrained* algorithms, that is, the algorithms do not require as input the number of clusters or other domain specific parameters. For this framework, they ... should be able to produce a large (and unknown) number of clusters.” (O. Hassanzadeh, F. Chiang, H. C. Lee, and R. J. Miller. Framework for evaluating clustering algorithms in duplicate detection. *Proceedings of VLDB '09*: 1282-1293, 2009.)

<sup>160</sup> “[T]he core characteristic of clustering algorithms is that they produce a set of disjoint entity clusters without requiring as input the number of clusters or any labeled dataset for training”. (Christophides et al., 2020.)

<sup>161</sup> Talburt, 2011 at 31-32.

resembles the experience of a business or government agency using ER tools in an effort to link their records into a single view of a customer or agency client.

123. In summary, I have created a set of clusters of User Accounts, each of which identifies a Participant. This is the required output for an aggregation methodology in the TelexFree case.

**IV. Mr. Dennis' examples are cherry-picked and do not impeach the Freer Aggregation Methodology.**

124. In the course of his Rebuttal, Mr. Dennis provides a small number of examples of false positives and false negatives that he incorrectly thinks impeach the methodology.<sup>162</sup> They are not statistically significant or representative, but are merely anecdotal. Mr. Dennis appears to have specifically searched for false positive and false negative examples, an approach colloquially known as "cherry picking":<sup>163</sup>

Q. And the tables that were generated by your office, did you include and attach all of the tables that you generated in the course of your investigation or just selective ones?

A. Selected ones.

Q. All right.

125. It is unsurprising that he found such examples, because they will exist in any large aggregation output. In fact, my stated error rates imply that there are many more such examples, and nevertheless the aggregation methodology is reliable and the results are of high quality.

126. In contrast, Mr. Dennis does not understand how error rates work, and confuses anecdotal evidence for statistical evidence.<sup>164</sup>

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<sup>162</sup> ¶¶ 115-119, 128-129, 133-134, 138-139, 149-162 of Dennis Rebuttal at 37-39, 42-46, 48-52.

<sup>163</sup> Dennis Tr., 18:12-17.

<sup>164</sup> Dennis Tr., 98:16-99:1.

Q. I'm really just asking you did you perform any error rate calculation overall for which you considered to be overclusters in Dr. Freer's clustering?

A. I certainly provided plenty of examples of instances that appear to be overclustering or instances where his clusterings don't comport with the stated goals.

127. It is difficult to even imagine an expert in record linkage who has no experience calculating precision and recall, which are fundamental measurements of Type I and Type II errors. Yet Mr. Dennis admits that he has no such experience:<sup>165</sup>

Q. And while that's happening, did you do any work -- well, are you familiar with the terms "precision" and "recall" in statistical work -- in statistical analysis?

A. To some degree.

Q. When you say "to some degree," what do you mean?

A. I certainly read Dr. Freer's report and how he described those terms.

Q. Other than reading Dr. Freer's report and how he described those terms, do you have independent experience calculating precision and recall?

A. That's not something I've been asked to do.

Q. I mean generally speaking.

A. There are specific definitions, and they're, again, not something I typically focus on or I've been asked to focus on.

Q. I'm not asking whether you typically focus on. I'm asking if you have any experience whatsoever calculating precision and recall as it relates to error rate?

A. Generally not.

128. Mr. Dennis appears unaware that a nonzero error rate is both appropriate and inevitable. As a result of this inexperience, Mr. Dennis menacingly states that even a single false positive or single false negative potentially dooms an aggregation methodology:<sup>166</sup>

Q. Okay. Let me give you a hypothetical. In a given aggregation methodology, in your opinion, would a single missed link, either overaggregation or underaggregation, would that invalidate the methodology?

A. Potentially.

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<sup>165</sup> Dennis Tr., 88:7-89:14.

<sup>166</sup> Dennis Tr., 164:2-8.

129. This may explain why Mr. Dennis does not seem to think that error rates are

important. Mr. Dennis does not comment on or evaluate my error rate calculations.<sup>167</sup>

Q. Well, let's take it from the abstract to the concrete. In this case, did you calculate error rate, what would be an appropriate error rate for the output of Dr. Freer's cluster methodology?

A. I didn't opine as to what an appropriate error rate would be in this case, no.

Q. Whether you opined or not, did you attempt to calculate what would be an appropriate error rate?

A. No, I did not.

130. Mr. Dennis does not do his own calculations of overall error rates.<sup>168</sup>

Q. Okay. And as a result of the quantification exercise, did you attempt to calculate any overaggregation or underaggregation error rates? ...

A. Not in this case.

131. Throughout the Dennis Rebuttal, Mr. Dennis doesn't even express his own examples or points in terms of error rates.<sup>169</sup>

132. In summary, Mr. Dennis' anecdotal evidence should be disregarded from a statistical perspective, and certainly does not render the methodology unreliable, as he falsely claims.<sup>170</sup>

#### **V. The Freer aggregation methodology is agnostic to the choice of net equity formula.**

133. The Court has previously approved the formula for Net Equity per User Account.<sup>171</sup> I have no reason to believe that Mr. Martin incorrectly implemented that formula, nor does Mr. Dennis make such a claim.

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<sup>167</sup> Dennis Tr., 89:19-90:7.

<sup>168</sup> Dennis Tr., 115:2-7.

<sup>169</sup> ¶¶ 115-119, 128-129, 133-134, 138-139, 149-162 of Dennis Rebuttal at 37-39, 42-46, 48-52.

<sup>170</sup> ¶ 70 of Dennis Rebuttal at 21-22.

<sup>171</sup> Supplemental Order Respecting Motion by Chapter 11 Trustee for Entry of Order Finding That Debtors Engaged in Ponzi and Pyramid Scheme and Related Relief, January 26, 2016, at 2-3.

134. Steps 1-9 of the Freer Aggregation Methodology do not use Net Equity as an input.

These steps are the portion of the Freer Aggregation Methodology that determine clusters of User Accounts.<sup>172</sup> In Step 10, I tabulate the Total Net Equity for each cluster by summing up the Net Equity values for each User Account in that cluster. This is the only step that makes use of Net Equity in the Freer Aggregation Methodology, and the clusters of User Accounts are determined prior to this step.

135. Mr. Dennis confirms these facts:<sup>173</sup>

Q. Okay. So with respect to steps one through nine, none of those steps relied upon Huron's net equity calculation; correct? ...

A. There are -- I don't believe so. I don't believe so. I believe the net equity calculation was brought on or attached at the end.

136. Even if, for whatever reason, the Court chooses to approve a different Net Equity formula per User Account than the one it previously approved, such an action will have no impact on the reliability of the Freer Aggregation Methodology. The only change required would be to re-tabulate Total Net Equity for each cluster as a sum of the new Net Equity values for each User Account.

137. In light of these facts, Mr. Dennis' arguments about Net Equity<sup>174</sup> are moot to the reliability of the clusters produced by the Freer Aggregation Methodology.

## **VI. Conclusion**

138. Mr. Dennis is mistaken when he concludes that the Freer Aggregation Methodology is unreliable. Through the Freer Report, this Reply, and the implementation of the Freer

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<sup>172</sup> Mr. Dennis acknowledges that "The ninth step in the Freer Aggregation Process was to determine the final clusters" (¶61 of Dennis Rebuttal at 18).

<sup>173</sup> Dennis Tr., 156:21-157:4.

<sup>174</sup> ¶¶35 and 36 of the Dennis Rebuttal at 10-11.

Aggregation Methodology, I have shown that the Freer Aggregation Methodology is both appropriate to the task and reliable.

139. The Freer Aggregation Methodology is based on scientifically valid reasoning that was properly applied to the facts at issue. The science is encapsulated in several fields of mathematics and computer science, including entity resolution, data matching, and probabilistic record linkage as well as graph theory, statistics, and large-scale data analysis. My academic background and work experience, as described in the Freer Report, show me to be more than qualified in these fields.
140. The aggregation technique used in the Freer Aggregation Methodology, namely probabilistic record linkage using Fellegi-Sunter with Expectation Maximization (FS-EM), can be and has been tested extensively in the last two decades. FS-EM is a standard technique for probabilistic record linkage, has been peer-reviewed and published, and there are standards controlling its use, as described by Winkler,<sup>175</sup> <sup>176</sup> Christen,<sup>177</sup> Enamorado et al.,<sup>178</sup> and others. For more details, see Section II.A.5.i of the Freer Report.<sup>179</sup> The use of FS-EM is appropriate in the TelexFree case.
141. Splink, the Python library for probabilistic record linkage used in my analysis, is an implementation of FS-EM that is designed to work on very large datasets, such as the 10,987,617 TelexFree User Accounts at hand. Splink is maintained and published by the UK Ministry of Justice and peer-reviewed by the UK Office for National Statistics.<sup>180</sup>
- The science behind the Splink package is also peer-reviewed and published, and the

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<sup>175</sup> W. E. Winkler, Using the EM Algorithm for Weight Computation in the Fellegi-Sunter Model of Record Linkage, American Statistical Association, *Proceedings of the Section on Survey Research Methods*, 667-671, 1988.

<sup>176</sup> Winkler, 1995.

<sup>177</sup> Christen, 2012.

<sup>178</sup> Enamorado, Fifield, and Imai, 2019.

<sup>179</sup> Freer Report at 13.

<sup>180</sup> "Splink: Data linkage at scale", GitHub. Retrieved from <https://github.com/moj-analytical-services/splink>



technique has an established error rate.<sup>181</sup> The continued existence and active public maintenance, by a number of contributors, of the Splink package speaks to the standards controlling its operation and to the wide acceptance in the scientific community of the underlying science. Splink is widely used, with over 5 million downloads as of 2023.<sup>182</sup> For more details, see Section IV.C of the Freer Report.<sup>183</sup>

142. The error rate for an aggregation performed using Splink can be estimated from the data set via formulae described in academic literature<sup>184</sup>, in order to determine how frequent false positives and false negatives are. Using these formulae, I have estimated the error rates for the Freer Aggregation Methodology (false discovery rate of 1.98% and false negative rate of 0.377%).<sup>185</sup> These quantities imply a precision of 0.980, a recall of 0.996, and an f-measure (which synthesizes both precision and recall, hence accounting for both false positives and false negatives) of 0.988. This f-measure quantity is considered “very good” by a survey of data linkage techniques.<sup>186</sup>

143. As is expected of any aggregation methodology, there are some false positives and some false negatives in the output of the Freer Aggregation Methodology, but the prevalence of these false positives and false negatives appears to be consistent with the estimated error rates.

144. The input dataset is sufficiently reliable to be used in the Freer Aggregation Methodology. In particular, the name field (*rep\_nome*) is of high quality, and my use of the name field in blocking and in pairwise matching is both appropriate and justified.

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<sup>181</sup> Enamorado, Fifield, and Imai, 2019.

<sup>182</sup> R. Linacre, *Splink and the Open Source Dividend*, March 9, 2023. Retrieved from [https://www.robinlinacre.com/open\\_source\\_dividend/](https://www.robinlinacre.com/open_source_dividend/)

<sup>183</sup> Freer Report at 40.

<sup>184</sup> T. Enamorado, B. Fifield, and K. Imai, 2019.

<sup>185</sup> Freer Report at 74.

<sup>186</sup> A. Ferrante and J. Boyd. A transparent and transportable methodology for evaluating Data Linkage software. *Journal of Biomedical Informatics* 45, no. 1: 165-172, 2012.

145. The output clusters are of high quality, and the descriptions in each cluster identify its Participant.

146. The Freer Aggregation Methodology only makes use of Net Equity after these clusters are formed. It uses the Court-approved Net Equity formula to tabulate Total Net Equity for each cluster according to the Court-approved tabulation method, thereby determining the Net Winners and Net Losers.

# **EXHIBIT 1**

# Exhibit 1

MATERIALS CONSIDERED	
Description	
Supplemental Rebuttal Expert Report of Joshua M. Dennis, April 14, 2023	
Deposition of Joshua W. Dennis, May 9, 2023	
Affidavit of Stephen B. Darr in Support of Motion by Chapter 11 Trustee for Entry of Order Finding That Debtors Engaged in Ponzi and Pyramid Scheme and Related Relief, October 7, 2015	
Amended Order on Motion by Chapter 11 Trustee for Entry of Order Finding That Debtors Engaged in Ponzi and Pyramid Scheme and Related Relief, December 21, 2015	
Memorandum in Support of Proposed Supplemental Order Respecting Motion by Chapter 11 Trustee for Entry of Order Finding that Debtors Engaged in Ponzi and Pyramid Scheme and Related Relief, January 19, 2016	
Supplemental Order Respecting Motion by Chapter 11 Trustee for Entry of Order Finding That Debtors Engaged in Ponzi and Pyramid Scheme and Related Relief, January 26, 2016	
In re: Plantation Realty Trust 232 B.R. 279,282 (Bankr. D. Mass. 1999)	
L. Bauer, C. Bravo-Lillo, E. Fragkaki, and W. Melicher. A comparison of users' perceptions of and willingness to use Google, Facebook, and Google+ single-sign-on functionality. In <i>Proceedings of the 2013 ACM Workshop on Digital Identity Management</i> , pp. 25-36. 2013	
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C. M. Bishop, <i>Pattern Recognition and Machine Learning</i> , Springer, 2006.	
P. Christen. Data linkage: The big picture. <i>Harvard Data Science Review</i> , 1(2), 2019.	
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T. Enamorado, B. Fifield, and K. Imai. Using a probabilistic model to assist merging of large-scale administrative records. <i>American Political Science Review</i> , 113(2), 353-371, 2019.	
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R. Linacre, <i>Splink and the Open Source Dividend</i> , March 9, 2023. Retrieved from <a href="https://www.robinlinacre.com/open_source_dividend/">https://www.robinlinacre.com/open_source_dividend/</a>
P. J. Owen, “TelexFree, other scams target local immigrants”, <i>Telegram &amp; Gazette</i> , Worcester, MA. June 30, 2014.
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W. E. Winkler, Using the EM Algorithm for Weight Computation in the Fellegi-Sunter Model of Record Linkage, American Statistical Association, <i>Proceedings of the Section on Survey Research Methods</i> , 667-671, 1988
W. E. Winkler, Matching and Record Linkage. In <i>Business Survey Methods</i> (ed. Cox, Binder, Chinnappa, Christiansen, College, and Kot). Wiley Series in Probability and Statistics, Chapter 20, pp. 355-384, 1995.
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## **EXHIBIT 2**

## Exhibit 2.1

All 12 fields from *representante* used in the Freer Aggregation Methodology, for 400 randomly-selected records chosen with fixed random seed.

rep_id	rep_nome	rep_email	rep_cel	rep_fone	rep_end	rep_numero	rep_cep	rep_login	rep_pwd_secondary	rep_cpf	rep_datanasc
19409231	ping chu	lh197109222022@163.com	15046380954	15046380954	shiyang	1	157400	jaql68e		912171122	None
22067481	riev samann	rievsamann@gmail.com	070215889	070215889	pouk chas	291	855	samann0001		180285421	None
29203692	Thais Medeiros Silva		689958478	689958478	Rua Jo	1485	6890000	fo53420618c702a		53420618c6bf7	None
12840111	Aida luz Millan mendez	finanzas@fem-ingenieria.com.co	3175005899	3810703	Cll 12b 32A 86	32a86	760041	3183365469		66820869	None
19201259	SAVON RATANA	sophannarithhorn@gmail.com	12349973	12349973	#35f, St. 378	345	855	successbiz42a7		000036	None
32653674	petra luna	bishopjma73@yahoo.com	9565298110	9565298110	12345 main		78572	rexal29		999999999	None
32766744	xue bai	bxue2737@gmail.com	15279989002	85434321	chunxi road,chengdu	100#	610000	bx27373		902193456	None
14987623	Ali H Omar	aomar8049@gmail.com	6146320875	6146320875	12312 parkwood dr #110	12312	55337	shaareey1	575ea7987311a647196c8669b1c57b70	868771277	1970-10-05
13693377	Braulio Enrique Gavarrete Panchame	zileonela@gmail.com	50499957388	50499957388	Col. Santa Monica segunda calle bloque 2 casa 37	37	504	gionela11	45e1cc9e358bb3f36f7cbe74e5f5c0e0c	196608855	1966-11-10
11244297	RAUL MARCAS VALDEZ	missionsietevmt@gmail.com	944635541	944635541	MZ B LT10 AA HH NUEVA JUVENTUD	12	511	dorcasmarr	611de0b10a10b9fae5f3a9bdeb04fb	42878214	1982-04-14
31054766	Jose Sousa	duarte69sousa@gmail.com	0351962969869	0351962969869	Travessa da Paragem. Moradia D	12	9125-194	17jdnst1		9938194	None
12006479	beliza alca quispe	beliza_love_30@hotmail.com	231488	231488	irb. ttio la Florida	1-7	84	bebelonita32		45895335	None
28240802	marcelo bruno matheo calumbi	marcel21964@hotmail.com	557182094025	557182094025	avenida curralinho	03	41705155	marcelotelexba2	fb5f2f27be2de104ac2b192f3e874dda	18809-09-04	1980-09-04
33501542	guoqi han	tfgyl679@163.com	13604507219	13604507219	bayang		151800	hgq404		110251474	None
15648265	cristian escobar	gustavoescobar6@gmail.com	6172067515	6172067515	1	1	1	ianalejandro2		6172067515	None
31190562	sebastian jimenez	sebasjim_ids@hotmail.com	4169939547	905 8214181	1285 Garcia street		55828-868	sebasjim18		545989550	None
22759639	freddy vivar	ricardo_vivar_camavi@hotmail.com	593998792632	593998792632	cooperativa el triunfo	656	070650	rky0004		0703. 624411	None
17784207	Renald Paul	renaldpaul@hotmail.com	5148935434	5148935434	6985, boul. des Laurentides, Laval, QC	6985	H7H3A1	successcall101		000000000	None
15009737	Ramon De Leon	ramondeleon@gmail.com	18095445555	18095445555	manz 21	59	22000	ridlc7f		02608746123	None
11602575	JAVIER MAXIMO LEIVA CIRIACO	javiermaximolc@gmail.com	968665387	968665387	Psje. Talara Pueblo Joven el Porvenir		15169	javierm17voip1		40094677	None
14851591	Wendson Santos Fonseca	edimaxnetwork@gmail.com	17991853555	1733431478	RUA JOAO MATEUS DE MORAES	231	14702114	wendsonfonseca1	f1fb1ea9a408b1f321062e86c4bae3e	04866632702	1985-05-18
11002661	Lara Giane da Silva	laragianes@hotmail.com	1281015840	1288394867	R: Mariana	292	12233220	cl12laragiane	d87febe46d5519ef1874c36ac4d46f2e	356168180	None
21495295	Francisco Almazan	pacohuichol@hotmail.com	6641612812	6646806455	Meseta	1342	22240	wichol4tres		650202	None
24866050	RADDYAWATI CHAN	chanshanazara@gmail.com	60195944575	60341019493	DESA VIEW TOWER	2254	53100	richbeauty3c		6842831	None
28930870	Victoriano Mazariego	mauricioalarconmartinez@gmail.com	72007700	72007700	Tercera av Norte y Novena Calle Poniente Varrio El		00000	219xwxqejjbf910		174570343520741	None
14471807	william amara machado	williamamaral.stgo@gmail.com	5599444546	5597232254	Rua Augusto Haller	1000	98804710	williamamaraluy	8e1ee624dc8676881fdc12cb002d8708	410408547	1991-03-29
25908762	cesar machiavello	nbruozone31@gmail.com	099761661	47333767	Larrañaga	215	50000	milces62		25786724	None
32009236	Renato Marins	renatopenedo@gmail.com	9782103090	9782103090	Po Box 3232		01930	8q5tnw4on8yon83		078418293251188	None
11613041	fabrizio	fabriziobonardi79@gmail.com	00393454638036	00393454638036	via rosa luxemburg 13	00393	21040	fabrizio79	749c6b091e2d50b185c593c1c679634e	011079	1979-10-01
30520312	gutierrez santana	gutcris2004@hotmail.com	9783330861	9783330861	5 elm dr	5	01749	gucall18		927773425	None
6909814	ALBERTO GUILLEN TELLO	aguillentello@gmail.com	6622569250	6622803192	CAMPECHE 20	270	83190	guillenteil03		04681226242134	None
10895323	Filipa Andreia Rocha	fapgrocha@gmail.com	0035196550681	0035196550681	Caminho Velho da Palmeira	72	9300-304	stacecilia	b802b8d91fd69363661f43ae17fca18f	223799866	1985-12-22
18050007	Estefania Tapia	moniquelombaida@gmail.com	59322437118	59322437118	francisco chira y j paredes	115	170127	roxesteff15	4919433b4ae074dceda655c5f788a76e	1716601487..	1990-08-12
19286159	cristhian chamorro	skio.12@hotmail.com	3208411664	3208411664	c11 9 20-25	25	00000	pan20		182923726	None
34050578	Nor Rahiniza Abdul Ghani	rahiniza.tlxfree@gmail.com	01112455783	01112455783	C-21-1-12, Pangsapuri Sri Abadi	01112	11900	rahiniza10		025378	None
14580551	Alexis Cabral Morel	alexandrareiscrrn@hotmail.com	0973852882	0973852882	km30	0000	0000	alexandrareis1	149815eb972b3c370dee3b89d645ae14	6695954	1993-02-09
12741791	viton goncalves	fontainha11@gmail.com	00351926102236	00351926102236	estrada da camacha	217	9060-010	omeufuturocl		926102236	None
14665365	Sebastiana Ururi Pumahuanca	adolforober@gmail.com	946621498	946621498	jr las palmeras		051	sebasp3		01529707r	None
28414936	lkj jhg	e.kd025@gmail.com	8099109686	8099109686	kjh	mjb	kjb	80991096867		00100100109	None
14092857	Henrique Urias Santos	uriashenrique@gmail.com	558100612647	558199612647	Dona Marina dechamps	62	54340095	urias2015	734c085fb7ebb2b95b7e0e82d452d837	265320	1961-07-15
23229189	cristian mamani coaquira	kennedymamanc@gmail.com	952917617	952823647	agrupacion ciudad nueva Mz 19 Lt 06	a 3	23000	2503sa7		166426848	None
26588988	Andrés Saavedra	andrex1963@gmail.com	661829310	661829310	Plaza Arturo Piera	7	46018	gpsiter1126		05144123	None
22825309	gaspar condori cruz	wcmgaspar@gmail.com	954729758	954729758	av. antisuyo	c-11	084	joaquinvoip22		44809491	None
10481737	Marcio de Oliveira Gomes	marciogomesonline@uol.com.br	556699542801	556699542801	Main ST	320	02740	mgomessgroupcl		92146414120	None
31485092	meiyang gao	gaomeiyang1969@gmail.com	1596013009	1596013009	zhangzhou		363000	gmq042	04973d1800f7c29d2b5daccdb0f131a7	905105242	1969-05-15
22779907	longshen chen	3589447775@qq.com	8613589447775	8613589447775	huangheroad	5	515000	njmy001009		111117971	None
15269983	adriana menegati	jozineiusa2012@gmail.com	2672352798	2672352798	6237 crafton st	6237	19149	neydrlica7	2ff287f725a4e9d9d7c04b7a198c8f29	9347611525	1974-11-02
22442207	da liu	lx51876@163.com	155770888245	155770888245	gui tang		537499	lx51125		205013145	None
22172165	maria villegas	maricita_aqp@hotmail.com	0051316021	0051316021	mno.bustamante	j-2	051	23majolivi01		41485859	None
24603072	Andy Asian	myaperu@hotmail.com	981461007	981461007	Av. Camino Real N° 476		001	myaperu3voip8		32956639	None
17420867	lourdes zambano marcello	lourdesosita@outlook.com	593984999360	s/n	condor ñan	205	0000	1982pao		130796802-2	None
28806740	soeun savry	soeunsavry7@gmail.com	85516957695	85516957695	phnom penh		855	lucky4phone5		666687678	None
24990458	jefferson herrera	mngghgh@hotmail.com	6466664	64646656	gjugygyg	15465	jghghjh	alexpaq3		6464646	None
25827594	carlos santos	cerqueiraifree@gmail.com	966380983	966380983	rua airo	21	4730	cartania710		240137809	None
15948487	Enrique Torello	enriquet444@hotmail.com	+34627046884	Ybañez	Trías de Bes	73/77	08440	kikebcn	2f4e613b3796bb305942e812f1f088	38508639s	1965-02-09
15622367	denisson carvalho fontes	denissonnet@gmail.com	557999665426	557999665426	capitol ave	1603	82001	dcf	03435e70b2d275b16191f12f3b41df2f	463596867	1986-04-24
23128273	gilberto guayamis galoc	guayamisg@gmail.com	942845624	942845624	jr huallaga 434		001	guayatas4		40342540-?	None
13274413	Newton cruz	newton.cruz7@gmail.com	8134439434	8134439434	rua do triunfo		52120-090	newtonusa772	42aa6053bc060f9645d3832265e9f548	5469537	None

29027608	César Magno Abreu Castro	autoferraztelexfree@gmail.com	00351912121505	00351912121505	urbanização vista alegre	9125-902	autof38		222106696	None
38602924	William Silva	wcsjunior@yahoo.com	5186606309	5186606309	104 villa drive	94806	newmoneywill17	800e365301349f2b62fc5bcbf6ac2b39	616232152	1982-06-19
19566151	Gentil Fernandes da Silva	isaiaisleite2010@hotmail.com	559492817557	559492817557	AV. Duque de Caxias	226	gfs09		115338..	None
13310573	Christian Baca Silva	nancysilhua@gmail.com	995795449	3863123	conjunto residencial campoy block 1 515	515	LIMA 36	christian8943	45745843	1989-02-02
89901114	Julia Kei Aki	akijuh8@gmail.com	09064631070	09064631070	Kunimoto2254-2	2254-	4370012	akijuh13c4	04179333805	None
27968580	Ho Lai Fong	poloamon@gmail.com	85226714333	85265996128	Flat E,11/F King Win Fty. Bldg.,	00852	00000	mags0003	ade7c1cdc609408b28708a9d241f17889	1969-08-29
30347198	Salomé Chagas	salomechagas16@gmail.com	351261937300	351261937300	Rua do Juncal	16	2520-042	xagas7109	116585803	None
15424181	Francia Feliz	francia_1303@hotmail.com	8294326954	8095964381	Av. espana edif 23	23	809	franciacleinte	22300760950	None
16362967	Eduardo Ferreira Junior	ebpmultnive1@gmail.com	5584-88672797	5584-20106105	Av. dos Caiapos	2025	66835	compostela20	802d8c9b92946f3e6b368312cd138e1a	1975-05-30
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13967743	sonia teles	ziefefj@yahoo.com	6177109238	6177109238	825 aventura drive		37122	sty026	6e0d0cdf9e48538255bc003a8587e6d0	020721499	1969-02-03
31398256	rongbao qu		18678869979	18678869979	shangdongshengjinanishizhongqu	350	250000	qrb88010		111138188	None
22218041	alline novaes	allinenovaes@hotmail.com	556182072016	556182072016	Sha cj 06 ch 15 cs 19	19	72000000	allinenovaes32	e10adac3949ba59abbe56e057f20f883e	2701402	1980-06-30
31750172	qingli sun	xrj268268@126.com	13801633366	13801633366	yananxilui764hao606		200050	am9008		207022429	None
31270836	elio Antonio Pires	elio.pires@yahoo.com.br	0554239748209	0554234465427	rua Pref. Antonio Witchemmichen	311	84400000	londpires	0dec527c556b0354a28daafffc266063b	70723459	1975-04-19
12038525	endis miranda	endis011@gmail.com	2405155154	2405155154	11218 evans trail	101	20705	em87503		2405155154	None
26616012	Alma Cedillo	todosganan5@yahoo.com	6825529465	6825529465	6367 Hanger Park Dr	6367	76119	cedillo119		777	None
21812225	pamela carreon chambi	mpamelitaper5@gmail.com	941249125	941249125	urb, guardia civil		051	perpame2		46425000	None
12843537	Tcvision Real Estate	tcvision2009@gmail.com	203 275 7753	203 275 7753	133 Garfield Ave	.	00606	tcvision38	935f099f9e544faddba2ad5d08b681a	e27-1302453	None
26355750	Bruno Peralva	brunosalema@hotmail.com	03533711623	03533711623	Rua Ismael Nery	12301	São Paulo	anaclaudia2c1		1824328	None

30482382	violet egbadon	violetegbadon@yahoo.com	08023374003	08023374003	3 odudu eleyiwo oniru estate	3	234	obbehil1		0345620	None
12974955	Choua Thao	chouathoj69@gmail.com	2092334176	2092334176	Dresden Way	6036	95212	chouatha01	4ecc04528d462a27230d8334e79b24b6	543044811	1969-03-02
15784159	haggeo del rosario	haggeo_rosario@hotmail.com	8299410223	8299410223	calle teniente amado	20	22000	alambre2	7dadbe5a37682c50d0600552bc389b33	02601066026.	1967-06-14
31950162	jose carlos dos santos	jcksantosju@outlook.com	6699812366	6699812366	rua porto velho	1050e	78575000	jcsantosusa9	6b9db1f28f1e2ed917a49b3f6dcdb42b	7115220	1972-02-05
20992199	Suani Gutierrez	suany_3@hotmail.com	2414201637	2414182970	topacio	5b	90453	swane06		17031980	None
20132909	SANTOS BALTIVINO PEDRAZA HUAMAN	lueno7@hotmail.com	51983754785	51983754785	URB LA NUEVA GRANJA	S/N	03001	santosbalvino09		05062999_1	None
31554866	rosita valarezo	carlosvalarezo93@gmail.com	0993034631	052638078	calle 5 de junio	s/n	130103	rosiva1005		131258 9 6 4 5	None
13098427	jiayu zheng	zzy6679a1@163.com	18088771801	18088771801	nangang		150001	zzy6679a4		211170041	None
22309379	Natanael Velasco	olimpogarciah@gmail.com	089987858	032792321	Alberto	001	160150	equipo185		1600679211	None
13348423	Noe Hernandez Montero	nohemo50@hotmail.com	51968694270	5174497230	Av Alcantara Navarro	s/n	073	19noemonteropv		28124616	None
11060967	Zefiel Silva	zeguedes_075@hotmail.com	55459991187	554599912621	rua mato grosso ap.22	995	85816020	zeguedesmacvel	d43070b938bd4e4da7f980f67a4430	68535174	1975-11-21
20549351	Aginaldo Candido	agvip23@gmail.com	12981488666	01239332197	Rua Java	233	12235500	sa1140		19614767sxt	None
18397293	rosalba ahumada	roahuma2@gmail.com	3127481519	8231814	calle 12 # 18 b 42		00000	rosalba1234		34538440	None
30351078	Ricardo Martins	alexcmartins13@gmail.com	962501314	962501314	estrada Padre A gostinho João Cardoso	39	9230-112	2kalexcmartins7		7895412368	None
31352478	vvv vvv	lop.asen@hotmail.com	3970909	123	asd	123	00929	icce9		111	None
33905840	Ann Dingo	option20@gmail.com	8014659283	8014659283	1165 E Zach St		83706	muckluck4		519396282	None
10543101	aminah binti manaf	barakah62@gmail.com	0167734679	0167734679	jln balau 4	33	81750	barakah05a3		620708	None
29513156	fernanda pereira	fernandapereiramadeira@gmail.com	0351963159315	0351963159315	avenida calouste gulbencan	9	9000-011	v7pfe001		m-45101	None
25736686	Miguel Pta	miguelpt299@gmail.com	964953007	964953007	Rua Dom Dinis	0	9125-128	96495300727		178800376	None
26858334	elisabet marleny hidalgo rojas	msrojas770@gmail.com	51999056655	5114232467	Jr Nazca 656 dpto 303 torre 1	303	0001	chefaf07ip		08127257	None
16938215	cristiane lima	delimafabioo@hotmail.com	07908432781	07908432781	153	153	e16 4eg	londonx65	9fe6f4d1ef8fab724cc1779b732a042d	cris1978x	1978-03-09
20121573	segundo arsecio herrera cabrera	jennyherrera725@yahoo.es	0997476702	2726531	La Concordia	001	230101	chelcho001		1712972910j6	None
23243981	ken Vang	chayc.cha@gmail.com	9165393054	9165393054	7564 chateau ct		95828	kenv32		123456789	None
23582532	FANNY LUCIA FEICAN MATUTE	fannitafe@hotmail.com	593993951668	593993951668	LIRIÑAN	LOTE	170146	jesusmiluz34		0102460334	None
28361926	rosa fuentes	rosafuentes074@gmail.com	9254217242	9254217242	.	.	02149	grosacf09		re0726078	None
14882899	Handryus de Medeiros Moresco	handryusmoresco@gmail.com	4599157777	4530389816	R Dr Flauzino Mendes	353	85819750	7aguiasroze7	e6f2e66a147445dfb2f26048e4781e29	83169400	1980-08-20
19963569	vozl046 heller	uplinebruno@gmail.com	555591004560	555591004560	rua cel pillar	336	98005190	vozl046		102589636	None
22553517	william ccollana mejia	wiliamax1@hotmail.com	973539904	973539904	manahuañunca	1-2	84	sonso32		24708199	None
22700501	qingxia liu	lxq666a@163.com	13512607447	13512607447	bawujiu		156300	lxq760b7		609251789	None
18725587	carlos sandoval	vicente_091195@hotmail.com	59366557892	59332874567	tarqui	76-93	00000	jolvilc16		872456781	None
26995892	osmarina pereira	agroalba@mhnet.com.br	4288032008	4288032008	casa	2063	83900000	osmarinaw2a		435256721	None
23452199	Esperanza Suárez	espesuarez-1234@hotmail.com	593993279679	5932824177	Llano Grande:calle Carapungo y Psje: Princesa Pacha	12	170155	oresty06		17100972 11	None
18529075	ffuggb fhgvgff	jp_pa@hotmail.com	235678	56776	calle64A #50-24	2356	0000	serna04		4566556	None
18158445	Lamech Muluya Lamech Muluya	muluyakibudde@gmail.com	+256712538522	+256712538522	Block 223plot 2165 nabwojo	07125	256	kalabayay9		0712538522	None
16136951	Daniel Fernando Almeida Silva	danisilva8181@gmail.com	00351918814581	00351918814581	Rua Sao Martinho	215	3700 384	danielasilva03	2dcdd5ece6efa19f17274bbc1364330	11968399	1981-10-24
29971722	ameriquito911c ameriquito911c	jrodriguez6507@hotmail.com	803819106	8093801727	center st #1	1	02136	ameriquito911c		18096751426	None
33910392	ruby song	rubysong003@yahoo.com	7182169951	7182169951	144-51roosevelt ave apt 8D flushing ny 11354		11354	rubysong04s3		696969	None
17348805	Nasim Akhtar	hsiwani@hotmail.com	8328944357	8328944357	15310 Beecham dr	15310	77065	sara986		028853864	None
33661606	jose cardenas	enrriqueadante1@hotmail.com	156156156156	5456456456	av. dsadwdqdw	32	001	76enchufex		42135503	None
22981403	JONATAS REIS	pekmambon@hotmail.com	556934714151	556934714151	av independencia	990	7691600	peka2		123456	None
28643742	luis kasimoto	luiskasimoto@gmail.com	08047222021	0276569157	yorkido1649-1miura koopo 105	miura	3700535	luk26105f		4576950	None
21946811	Cristhian Huamancari Cubillas	cabazolo105@gmail.com	051963751971	051963751971	Av. Marco Polo1461	31	01	cubillas4vp3		41836545-78	None
22134655	marli eugenia dos santos marli eugenia	joserobertoramalho@outlook.com	18-996551669	18-36423154	fairfield road	20	102	marlibig11x0		16453596890	None
30433494	rosangela cino	rosaangelacino@libero.it	3472663376	3472663376	via kennedy	14	92024	fiocco3		12345	None
28107942	roberto pinto	robpin1958@yahoo.com.br	5521994086384	552126701321	rua nelson lameira pinho	260	26440590	robpin20168		041130568	None
31910156	ELIZABETH MORALES MUÑOZ	helo977@hotmail.com	573112082396	573143297019	AV 3 #15-87 EDIF ORIPAYA		540006	elizamor10		37272170	None
12240909	Edison Oswaldo Jurado Aleman	wcm777soporte.ec@gmail.com	593995721476	593995721476	Quito	777	00000	visionariodeluz	a14523e002a82deb3b41ab9ab2a7f01d	17117474 59	1971-03-13
16678043	Berlissa reyes	reyesjunior28@gmail.com	18199052424	18299052424	san francisco de macoris		31000	ramses8824		05601014680	None
11142915	Gisele de Vasconcelos	voipsenax@yahoo.co.uk	442056986547	442056986547	22 Malin Court		HP3 9AQ	5voipsenax341		5voipsenax341a	None
17526707	jerseilian jesse	jerseilian@bol.com.br	99314089	32277072	rua alberto torres	77	69918272	jerseilian999		1292020260	None
15820355	leonardo meira	lozico5@gmail.com	.	5088722268	20 bonito dr.	.	01701	mlm1123	ed07470d794db0e5903a5de1e1cc64043	5088722280	1963-05-05
28740870	jkhcdy yewte	a977312519@gmail.com	43545656	78327848	khjdsjh	1	93776	mlk4		0099889	None
14542109	Faustino Torres	telexfreesuccess@gmail.com	4079286403	4079286403	5514		32821	interc38		4079286403	None
23510178	rosa yanqui yanqui	rositayanqui18@gmail.com	951137080	951137080	jp.pierola	2558	051	yulys07		43067050	None
23598116	Rosaura Elena Miranda De Villanueva	invercion4@gmail.com	968700049	4941191	Ex Calle Union 107		001	buja26		06575377	None
103975	GHACHEM Cedric Sadri	cedric.gh@gmail.com	33603458392	33603458392	rue	11	94440	cedricgh	ca81257d0a041dd986e9972ec6f4e225	071177201234	None
30998902	vicente sanchez	eljefemaximo@hotmail.com	678262473	678262473	teide	..	...	delavegamaximo		46940105	None
23661504	65546465 654	6545@564	213	65454654546	654	546	21000	cvt04		6545454546546654546	None
19746185	angel leoncio vasquez rojas	angelvr1971@hotmail.com	593991262854	59372421505	cdla jaimé roldos	sn	030450	todopoderoso810		091318184 8	None
12255389	anthony giraldo echeverry	anthonygiraech10@gmail.com	3137212032	3137212032	calle 13 N° 8 - 30		472	anthonygiraldo	90ce1abf15835bcd72326b31f8913bda	1112759065	1986-07-03
21745071	Kim Mov	hongseng57@gmail.com	098868696	098868696	PP	PP	855	mov18006		010777143	None
31246572	Ly Cheng	luolyeng@yahoo.com	012818713	012818713	No.41, st.143 Phnom Penh	01281	855	pscheng7d		012818713	None
15519815	Lit Jang Fang Xie	fongxie11@hotmail.com	7873996719	7873996719	Urb. Ciudad Jardin	149	00987	rob8	dceeb85ee6ef9808a398006ef96f4114	597445282	1989-03-07
28831180	andrea paula	paulorobert156@bol.com.br	8293067550	8293067550	praca bom jesu	194	57910-000	voipvalmm35		1522455	None
16832997	huiquin wu	whq201366@126.com	15213125413	15213125413	chongqing		400000	whq0006	f9fbc35b8769c57b7b324c8ec0cf59cd	909232829	1969-09-23
23338299	Rosalinda Trinidad Venancio	rosalindatexfree@gmail.com	051999595113	051999595113	centro poblado huarichaca	01		rosalindatv187		80185889-41	None

21045701	a a	seeveelee@gmail.com	1	1	1	1	11204	usnewying007c4		007999998	None
32600292	rosa margot miranda pomasunco	faranibar3@hotmail.com	0512611293	0512611293	av. sucre 1125 dpto. 44	1125	01	trome023		08133029	None
26960496	ana luiz	emshego@hotmail.com	876543908	87890936	bretton	99	20765	pesas29		98876453a	None
14991993	dolores gonzalez gonzalez	samy.cortes@yahoo.com	573207214497	573007056185	calle 13 No 24-70	13	5001000	dologg03	934b535800b1cba8f96a5d72f2f1611	40981819	1965-05-18
16006241	CAIDA ALICIA GOMEZ PAREDES	joseloparati@hotmail.com	51991287674	51991287674	av. 6 de diciembre 20	20	063	kaydita18voip		42925141	None
4808828	MASSIMILIANO MINORCHIO	mminorchio@libero.it	+393479126620	+393479126620	VIA PERTINI	21	40059	massimilianom	c1f2c71ded85e3a3eb6fe1c5b690417e	01032015	1976-12-17

**Exhibit 2.2** The *rep\_id* field values from *representante* for these 400 records,  
sorted numerically.

rep_id
--------

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1837442
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8233698
8990114
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10532909
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11060967
11124597
11139601
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12029215
12038525
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12230337
12240909
12253845
12255389
12264801
12309161
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12373697

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12741791  
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12840111  
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12974955  
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13348423  
13390271  
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13535571  
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14092857  
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14186869  
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14471807  
14542109  
14580551  
14615005  
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14851591  
14882899  
14987623  
14991993  
15009737  
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15058255

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15890279  
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15997647  
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17150481



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17526707  
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17784207  
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18397293  
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18529075  
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18725587  
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20992199  
21045701  
21068441  
21375225  
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21495295  
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21676513  
21745071  
21767977  
21812225  
21838565  
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21997289  
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22134655  
22171995  
22172165  
22218041  
22309379  
22325361  
22425649  
22442207  
22549637

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22700501  
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22855173  
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22981403  
23055097  
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23229189  
23243981  
23338299  
23404545  
23437753  
23452199  
23507474  
23510178  
23582532  
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23598116  
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23966676  
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24409536  
24596252  
24603072  
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24648950  
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24754476  
24762910  
24824544

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25736686  
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26135776  
26146704  
26152056  
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26719794  
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26960496  
26995892  
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27588896  
27794690  
27858064  
27968580  
28043426  
28082806

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28510658  
28514922  
28578540  
28622356  
28628768  
28643742  
28683680  
28704006  
28738876  
28740870  
28806740  
28831180  
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28930870  
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29027608  
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29184610  
29198424  
29203692  
29329960  
29340744  
29513156  
29554222  
29971722  
30004816  
30114492  
30169436  
30224954  
30328944  
30347198  
30351078  
30422180  
30433494  
30467382  
30470928  
30478712

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30520312  
30573942  
30602924  
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30765762  
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30912060  
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30998902  
31030906  
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31054766  
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31190562  
31209640  
31246572  
31270836  
31352478  
31382076  
31398256  
31485092  
31554866  
31632038  
31740540  
31750172  
31809602  
31910156  
31950162  
32009236  
32107782  
32159622  
32180460  
32325898  
32366660  
32410022  
32416710  
32448086  
32518998  
32600292  
32653674  
32755544

32766744  
32798142  
32799100  
33056690  
33247320  
33501542  
33561636  
33605882  
33661606  
33696458  
33812486  
33835388  
33905840  
33910392  
34024830  
34050578

**Exhibit 2.3** The *rep\_nome* field values from *representante* for these 400 records,  
sorted alphabetically.

**rep\_nome**

000000 000

1 1

65546465 654

8 po

ADAUTO GOMES PINHEIRO NETO

ALBERTO GUILLEN TELLO

ANA MALHEIRO

ANDERSON MURILLO

Abel Ernesto Chacon Chacon

Adriana Fuzikawa

Ageu Divino Borges

Agnaldo Candido

Aida luz Millan mendez

Ala Khamiankova

Alexis Cabral Morel

Alexis Rekeraho

Ali H Omar

Aliaksandr Belkin

Alma Cedillo

Ana Luis

Andrés Saavedra

Andy Asian

Angeles Alvarez

Angelica dasilva

Ann Dingo

Antonio Beitum Beitum

Antonio Fidalgo

Armando V. Sousa

Bayron Emilio Garcia Amaya

Benedicto Carreño Castro

Berlissa reyes

Bertha Contreras

Betzabe Laureano Lazaro

Birgit Maria Kiekeben

Braulio Enrique Gavarrete Panchame

Bruno Peralva

Bruno Sousa

CAIDA ALICIA GOMEZ PAREDES

CARLOS E. GOMES

CHEAG THEAV



Carla Regina Rodrigues da Silva Sueth

Carlos Rodrigo Jacome Ponce

Carmen Duran

Choua Thao

Christian Baca Silva

Clara Esquivel

Clara Hernandez

Cosme Rodrigues

Cristhian Huamancari Cubillas

César Magno Abreu Castro

DANIEL SANCHEZ SANCHEZ

Daniel Martinez

Daniel Fernando Almeida Silva

Dl1 Inc

Dustin Leavitt

Dwi Prasetyo

EDIMAX NETWORK CORPORATION

ELIZABETH MORALES MUÑOZ

Edgar Rodriguez

Edison Oswaldo Jurado Aleman

Edith Machaca cruz

Eduard Pfau

Eduardo Alves

Eduardo Ferreira Junior

Egidio Fulberti

Elen white Magalhaes lopes

Elias Bonfin Amaral

Elio Antonio Pires

Enrique Torello

Erik Damian Munoz Monserrate

Esperanza Suárez

Estefania Tapia

Evaldo cunha

Evgeniya Lebedeva

FANNY LUCIA FEICAN MATUTE

FLAVIO GUSTAVO SANCHEZ CHAVEZ

Faustino Torres

Fernanda Lopes de Mello

Filipa Andreia Rocha

Francia Feliz

Francis Kinyua

Francisca Adima Naciemnto Andres

Francisco Almazan

Francisco Javier Vergara Redondo  
GEOVANNY PELAEZ  
GHACHEM Cedric Sadri  
Gabriel Gonzalez  
Genner Bolivar Puello  
Gentil Fernandes da Silva  
Gisele de Vasconcelos  
Gisselle Ricca  
Gladys Alexander  
Gladys Sala  
Grace Semugenze  
Guilherme Costa  
Guu Xang  
Handryus de Medeiros Moresco  
Helen Gularte  
Helena Mantese  
Henrique Urias Santos  
Ho Lai Fong  
Ionel Iacob  
Isabel Freitas  
JAVIER MAXIMO LEIVA CIRIACO  
JONATAS REIS  
Jason Azevedo de Farias  
Jhon Tibeth Rengifo Zavaleta  
Jorge Velasco  
Jose Aparecido de Andrade  
Jose Hernandez  
Jose Lucero  
Jose Rebelo  
Jose Sousa  
Jose Teixeira  
Juan Evangelista Villalvir Martinez  
Julia Keko Aki  
Kadi Ka  
Kim Mov  
LAI YEE FOOK  
LOGANATHAN NAGALINGAM  
Lalin HENG  
Lamech Muluya Lamech Muluya  
Lara Giane da Silva  
Lisset Marcela Giraldo Lujan  
Lit Jang Fang Xie  
Luis Fernandes

Luis Luna  
Ly Cheng  
M Itv  
MARYI DAVILA  
MARÍA DEL PILAR CASTELLANOS PUENTES  
MASSIMILIANO MINORCHIO  
Manuel Alves  
Mapril Pena  
Marcio de Oliveira Gomes  
Maria Lorena Castillo Aveiga  
Maria Sky  
Maria Soledad Chamy Roman  
Maria de Lourds O. Silva Moreira  
Marie Fanny Desanges  
Mario David Montiel Lopez  
Mark Vang  
Martha Patino  
Miguel Pta  
Mirela Soares Fran  
Mohammad Muhsen  
Nasim Akhtar  
Natalina Aliprandi  
Natanael Velasco  
Newton cruz  
Noe Hernandez Montero  
Nor Rahiniza Abdul Ghani  
Nélío Ferreira  
OSCAR MORA  
Otilio Prado  
Palmira Diniz  
Paula Prak  
Paulo Beloni  
Paulo De Freitas  
Pavel Danilin  
Percy Choquehuanca Mendoza  
RADDYAWATI CHAN  
RAUL MARCAS VALDEZ  
Rafael Frias  
Ramon De Leon  
Ramon Tice  
Raysa Marleny Leonardo Olaverria  
Renald Paul  
Renato Marins

Rene Silva de Oliveira  
Ricardo Kazuhiro Ikematsu  
Ricardo Martins  
Robert Rodricks  
Rodrigo DeJesus  
Rosalinda Trinidad Venancio  
Rosaura Elena Miranda De Villanueva  
Ruben diaz  
SANTOS BALVINO PEDRAZA HUAMAN  
SAYON RATANA  
Salomé Chagas  
Sandro Scamporlino  
Saori Shiiki Nakao  
Sebastiana Ururi Pumahuanca  
Segundo Gregorio Celi Guerrero  
Sou Thira  
Suani Gutierrez  
Tcvision Real Estate  
Thais Medeiros Silva  
Tony Falconi  
UGT ghj un GF tgjf  
Valdemir dos Santos  
Victoriano Mazariego  
Vinicius Lima  
Vinicius Wetter voip  
Wen zhi  
Wendson Santos Fonseca  
Wilfer garcia  
William Silva  
ZENON QUISPE CHOQUEVILCA  
Zefiel Silva  
a a  
abc abc  
abraham laura pacco  
adalia Buendia  
adriana menegati  
alba y Castro  
alex coelho  
alline novaes  
ameriquito911c ameriquito911c  
aminah binti manaf  
ana paula  
andrea paula

andres ocampo posada  
angel leoncio vasquez rojas  
angel suazo  
anthony giraldo echeverry  
antonio rudrigues  
aubri salvador  
aylaiheang07 aylaiheang07  
b b  
bai sun  
beliza alcca quispe  
blessing adat umo  
bruno silva  
carla alves  
carlina meza  
carlos perez  
carlos sandoval  
carlos santos  
carmen elena alban orozco  
cassiano marko  
cece cece  
cesar augusto rodrigues aguero  
cesar lozano  
cesar machiavello  
claudia chaves  
cleo mar rengel jimenez  
cliff monique  
cristhiam chamorro  
cristian escobar  
cristian mamani coaquira  
cristiane lima  
da liu  
daniela meneses  
danimari llc  
denisson carvalho fontes  
diana giron  
diego mavallo  
dolores gonzalez gonzalez  
ds fd  
edna o. pereira  
eduardo alvarez morales  
elisabet marleny hidalgo rojas  
endis miranda  
enia valentin

erica mazo  
eris mejia mejia  
ernestina tavarez  
ester evangelista de matos  
fabiana Leite Ribeiro  
fabio bomfim  
fabio wanzeler  
fabrizio  
feng wang  
fernanda pereira  
fernando carreño  
ffuggb fhhgvff  
freddy vivar  
gaspar condori cruz  
gilberto guayamis galoc  
gilma amaya  
graziana  
gui long yang  
guibin huang  
guohua chen  
guoqi han  
gutierre santana  
hafizs mustaffa  
haggeo del rosario  
hassan abdi karim  
henry kiddu  
hgcvuygihop vjhbiuhojp  
hongliang gong  
hongyan li  
hortencia torres j  
hugo mamani choquehuayta  
huiqun wu  
humberto vladimiro suarez rios  
ivan fernandes  
janser rodriguez  
jefferson herrera  
jerseilian jesse  
jesus alfonso aguirre hernandez  
jesus condori gutierrez  
jiayu zheng  
jing guo  
jingwen yu  
jislaineborges borges

jkhcdb yewtye  
jonathan yuri alves santiago  
jose antonio callapiña condori  
jose cardenas  
jose carlos dos santos  
jose escolero  
jose rodrigues  
jose rodriguez  
jose silva  
juan carlos buitrago  
julio cesar  
ken Vang  
keqing qin  
lana luiz  
ldhvkjbn fjvlj  
leonardo meira  
licinio1 amaral1  
lkj jhg  
longshen chen  
lourdes zambrano marcillo  
lucinda maria de paula neta  
luis kasimoto  
luisella gobino  
ma vena  
manoel cleto cordeiro  
marcelo bruno matheo calumbi  
marco fernandes  
maria ortiz  
maria villegas  
marianna porcelli  
marino belen  
mario puente de la vega aymachoque  
marli eugenia dos santos marli eugenia dos santos  
meiying gao  
melissa alvarez velasquez  
mengqing ma  
mercedes garcia  
milda weck  
mingzhong wang  
miriam cusi sucasaire  
monaco giovanni  
osmarina pereira  
osvaldo antonio valdez vasquez

oupalavanh bouaphet  
pamela carreon chambi  
paulina andrea arias perez  
pedro kilo  
petra luna  
ping chu  
qingli sun  
qingxia liu  
ramona apaza apaza  
rekiya salama  
riev samann  
roberto pinto  
rongbao qu  
rosa fuentes  
rosa margot miranda pomasunco  
rosa yanqui yanqui  
rosalba ahumada  
rosangela cino  
roseli felix  
rosita valarezo  
ruby song  
rui martins  
rundong zhao  
sabato scala  
salustia perez  
sandy aguirre  
sdkjnk skjfru  
sebastian jimenez  
segundo arsecio herrera cabrera  
sergey daerty  
sgs sdgsdv  
shijie da  
shou dong wang  
shoujie han  
soeun savry  
sonia teles  
thabit salim  
van prom  
vanda maria almeida  
vanesa zhagui  
vangie05 vangie05  
venilson leandro da silva  
vicente sanchez



violet egbadon  
vitor goncalves  
voz1046 heller  
vvv vvv  
wellington de jesus pereira  
wendy pichardo  
wenhua zhao  
wertyuio  
william amaral machado  
william ccollana mejia  
wreew sfasd  
xiaohong duan  
xue bai  
yi lu  
yolanda landaverde  
zhi zou

## Exhibit 2.4

rep\_email

45448663

6545@564

CHARK100@GMAIL.COM

voipsenax@yahoo.co.uk

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zhb11q1@163.com

lh197109222022@163.com

royal0816@163.com

54684646@163.com

lx51876@163.com

yangzhiwen86@163.com

hanshoujie7987@163.com

13666303168@163.com

hgb19770329@163.com

tfgyl679@163.com

tfysyy679@163.com

lqx666a@163.com

hjskf@163.com

gg921jj@163.com

rert@163.com

cgh130121@126.com

zxy13581932995@126.com

whq2013666@126.com

xrj268268@126.com

duanxiaohong1919@126.com

schamy@axbridgegold.com

cosmemh@icloud.com

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yemren@live.com

jislaineborges@live.com

vanda.almeida@outlook.com

lourdesosita@outlook.com

joserobertoramalho@outlook.com

jcksantosju@outlook.com

anthonygiraech10@gmail.com

option20@gmail.com  
clarita1850@gmail.com  
murilodasilva60@gmail.com  
msrojas770@gmail.com  
jehovajhire001@gmail.com  
endis011@gmail.com  
henrykiddu6911@gmail.com  
fontainha11@gmail.com  
Ericamazo1021@gmail.com  
ayalamartha31@gmail.com  
nbruzone31@gmail.com  
danisilva8181@gmail.com  
anapastrana81@gmail.com  
shaafici1@gmail.com  
danilotero1@gmail.com  
songwenjie0012@gmail.com  
jozineiusa2012@gmail.com  
anmur2012@gmail.com  
jositan12@gmail.com  
clauass12@gmail.com  
drfranciscog1962@gmail.com  
barakah62@gmail.com  
carlapalves82@gmail.com  
roahuma2@gmail.com  
mapi2803@gmail.com  
alexandrausa2013@gmail.com  
ednapereirao13@gmail.com  
alexcmartins13@gmail.com  
carodrigues123@gmail.com  
osorioleslie23@gmail.com  
agvip23@gmail.com  
hortencia1263@gmail.com  
andrex1963@gmail.com  
dripaloma73@gmail.com  
duarte.jose93@gmail.com  
carlosvalarezo93@gmail.com  
iachimvitalik3@gmail.com  
evaeva01012014@gmail.com  
grupogalicia2014@gmail.com  
mariakharting2014@gmail.com  
fiammetta.bianchi64@gmail.com  
rosafuentes074@gmail.com  
ljose7194@gmail.com

joseaparecidodeandrade4@gmail.com  
invercion4@gmail.com  
cabazolo105@gmail.com  
colin920605@gmail.com  
yulixime05@gmail.com  
azakatsuki1515@gmail.com  
e.kd025@gmail.com  
a0925147655@gmail.com  
juank1875@gmail.com  
taochen75@gmail.com  
zrr8695@gmail.com  
lozico5@gmail.com  
mpamelitaper5@gmail.com  
salomechagas16@gmail.com  
mafidaro166@gmail.com  
bambola66@gmail.com  
zenon.telexfree66@gmail.com  
miagee76@gmail.com  
pashadan86@gmail.com  
gustavoescobar6@gmail.com  
florimer.7@gmail.com  
bxue2737@gmail.com  
hongseng57@gmail.com  
ccl15367418087@gmail.com  
soeunsavry7@gmail.com  
newton.cruz7@gmail.com  
rositayanqui18@gmail.com  
reyesjunior28@gmail.com  
tolahor168@gmail.com  
akijuh8@gmail.com  
telexapp8@gmail.com  
tcvision2009@gmail.com  
a977312519@gmail.com  
aomar8049@gmail.com  
gaomeiying1969@gmail.com  
chouathoj69@gmail.com  
duartesousa79@gmail.com  
fabriziobonardi79@gmail.com  
agatazxc289@gmail.com  
isabelpascoa89@gmail.com  
miguelp299@gmail.com  
davidbeebea@gmail.com  
wbeyanca@gmail.com

moniquelombeida@gmail.com  
chayc.cha@gmail.com  
fapgrocha@gmail.com  
zileonela@gmail.com  
jonaula@gmail.com  
alexisbwana@gmail.com  
maprilpena@gmail.com  
porcellimarianna@gmail.com  
chanshanazara@gmail.com  
fernandapereiramadeira@gmail.com  
logavisa@gmail.com  
duarte69sousa@gmail.com  
vencedorusa@gmail.com  
evaldoatlanta@gmail.com  
nancysilhua@gmail.com  
1988renesilva@gmail.com  
sinlimitesavanza@gmail.com  
suporteplanobbcc@gmail.com  
wcm777soporte.ec@gmail.com  
kennedymamanic@gmail.com  
javiermaximolc@gmail.com  
ramondeleonc@gmail.com  
kouvuepc@gmail.com  
edy.dance@gmail.com  
muluyakibudde@gmail.com  
reglamide@gmail.com  
seeveelee@gmail.com  
cerqueiraefree@gmail.com  
tice.telexfree@gmail.com  
mmalves.telexfree@gmail.com  
rosalindatelexfree@gmail.com  
viniciussuethetelexfree@gmail.com  
idulletelexfree@gmail.com  
yuriantiagotelexfree@gmail.com  
hessotelexfree@gmail.com  
lidertelexfree@gmail.com  
autoferraztelexfree@gmail.com  
rahiniza.tlxfree@gmail.com  
bmrs7.inetese@gmail.com  
uriashenrique@gmail.com  
a.belikov.staff@gmail.com  
guayamisg@gmail.com  
lvmrktg@gmail.com

olimpogarciah@gmail.com  
cedric.gh@gmail.com  
oupalavanh@gmail.com  
saory.shiiki@gmail.com  
paulaprak@gmail.com  
edimaxnetwork@gmail.com  
licinioamaral@gmail.com  
ebpmultnível@gmail.com  
sasha1986m@gmail.com  
carmenelenaalban@gmail.com  
bancofinan@gmail.com  
epvalentin@gmail.com  
rievsamann@gmail.com  
sofiefashion@gmail.com  
cabezon.tibilon@gmail.com  
poloamon@gmail.com  
sophannarithhorn@gmail.com  
galocampiao@gmail.com  
gnkalubo@gmail.com  
handryusmoresco@gmail.com  
renatopenedo@gmail.com  
dkfigueiredo@gmail.com  
williamamaral.stgo@gmail.com  
alejandro3jo@gmail.com  
godie.banjo@gmail.com  
telexrebelo@gmail.com  
kilokilo@gmail.com  
aguillentello@gmail.com  
reyesdeleoncastillo@gmail.com  
sandroscamporlino@gmail.com  
uplinebruno@gmail.com  
alfeganascimento@gmail.com  
luiskasimoto@gmail.com  
carlos.jacome.p@gmail.com  
julio.cesar.prado.jcp@gmail.com  
zacarias.raq@gmail.com  
wcmgaspar@gmail.com  
gennerbolivar@gmail.com  
adolforober@gmail.com  
jcedillor@gmail.com  
rodrigo.realtor@gmail.com  
friasr@gmail.com  
rogercaracas@gmail.com

paulorjfreitas@gmail.com  
robertrodricks@gmail.com  
nelioferreiranegocios@gmail.com  
telexfreesuccess@gmail.com  
comunicazioni3plus@gmail.com  
denissonnet@gmail.com  
misionsietevmt@gmail.com  
maxsacogu@gmail.com  
elenatirnovanu@gmail.com  
r.ikematsu@gmail.com  
drummond.a.telex@gmail.com  
squadratelex@gmail.com  
rizatelex@gmail.com  
armandotelex@gmail.com  
roseeffelix@gmail.com  
mauricioalarconmartinez@gmail.com  
lauralopezalvarez@gmail.com  
paulina.arias.perez@gmail.com  
janserrodriguez@gmail.com  
palmira.diniz@gmail.com  
wetferg@tubaraomail.com  
brayanvas00@hotmail.com  
isaiasleite2010@hotmail.com  
jrjr0320@hotmail.com  
beliza\_love\_30@hotmail.com  
nohemo50@hotmail.com  
elfenix2280@hotmail.com  
joaocamacho2011@hotmail.com  
fongxie11@hotmail.com  
brazilian.angel21@hotmail.com  
angelvr1971@hotmail.com  
doctornico71@hotmail.com  
lu\_depaula1@hotmail.com  
enrriquedante1@hotmail.com  
wiliamax1@hotmail.com  
skio.12@hotmail.com  
jair0\_12@hotmail.com  
aricar22@hotmail.com  
percy.1972@hotmail.com  
francia\_1303@hotmail.com  
michael\_1803@hotmail.com  
abc123@hotmail.com  
ilse1073@hotmail.com

jossandra1993@hotmail.com  
suany\_3@hotmail.com  
faranibar3@hotmail.com  
gutcris2004@hotmail.com  
espesuarez-1234@hotmail.com  
enriquet444@hotmail.com  
navivan54@hotmail.com  
marcel21964@hotmail.com  
rdb94@hotmail.com  
eduardo\_alves4@hotmail.com  
marullo\_05@hotmail.com  
zeguedes\_075@hotmail.com  
vicente\_091195@hotmail.com  
franklin\_444\_5@hotmail.com  
sofia\_luis5@hotmail.com  
ester.ev-2006@hotmail.com  
school\_69\_6@hotmail.com  
lissethmarcela6@hotmail.com  
moshe107@hotmail.com  
jrodriguez6507@hotmail.com  
helo977@hotmail.com  
Luisfernandes-87@hotmail.com  
jessyestefany\_1997@hotmail.com  
lueno7@hotmail.com  
geo.-9@hotmail.com  
gladysala29@hotmail.com  
osvaldovaldez29@hotmail.com  
carlos\_perez79@hotmail.com  
dipagiba@hotmail.com  
gissellericca@hotmail.com  
hucajoca@hotmail.com  
andresocaposada@hotmail.com  
claudiociuffa@hotmail.com  
lydamurcia@hotmail.com  
markffaria@hotmail.com  
angelexousia@hotmail.com  
brunosalema@hotmail.com  
e.rodriguez.joa@hotmail.com  
jp\_pa@hotmail.com  
m.luis.madera@hotmail.com  
felipeandreu\_ccb@hotmail.com  
edith\_shande@hotmail.com  
javiertelexfree@hotmail.com



fannitafe@hotmail.com  
benecartage@hotmail.com  
helengularte@hotmail.com  
barbara\_radloff@hotmail.com  
mnghghg@hotmail.com  
alizabelpg@hotmail.com  
natalialiprandi@hotmail.com  
hsiwani@hotmail.com  
tony\_falconi@hotmail.com  
joseloparati@hotmail.com  
ricardo\_vivar\_camavi@hotmail.com  
japroservi@hotmail.com  
almeganetwork@hotmail.com  
pacoahuichol@hotmail.com  
renaldpaul@hotmail.com  
fabioguimaraesbomfim@hotmail.com  
pekmanbbom@hotmail.com  
lop.asen@hotmail.com  
ueslainevenilson@hotmail.com  
alexandrareiscrrn@hotmail.com  
emshego@hotmail.com  
haggeo\_rosario@hotmail.com  
diegomavalo@hotmail.com  
eljefemaximo@hotmail.com  
delimafabioo@hotmail.com  
maricita\_aqp@hotmail.com  
lopemar@hotmail.com  
viniciuswetter@hotmail.com  
jvillalvir@hotmail.com  
jason.farias@hotmail.com  
sebasjim\_lds@hotmail.com  
allinenovaes@hotmail.com  
laragianes@hotmail.com  
marcokeiros@hotmail.com  
telexfree.moneynet@hotmail.com  
myaperu@hotmail.com  
irvins\_gsv@hotmail.com  
gilneyw@hotmail.com  
rayzamarleny@hotmail.com  
salusperez@hotmail.com  
paulobeloni\_foz@hotmail.com  
bluevisal@ymail.com  
trebol64@aol.com

promchiro@aol.com  
brunogleal@globo.com  
claireimage2000@yahho.com  
ileanamartinez781@yahoo.com  
hafiz92@yahoo.com  
rubysong003@yahoo.com  
sandyta1823@yahoo.com  
bishopjma73@yahoo.com  
todosganan55@yahoo.com  
alba.castro95@yahoo.com  
lfidalgo\_28@yahoo.com  
carmenduran9@yahoo.com  
luis.suculanda@yahoo.com  
alfredo\_vlsc@yahoo.com  
grrrace@yahoo.com  
yumvang@yahoo.com  
lalin.heng@yahoo.com  
luolyeng@yahoo.com  
zieffj@yahoo.com  
yunusemail@yahoo.com  
tintasbm@yahoo.com  
eganndem@yahoo.com  
thabit.salim@yahoo.com  
sylvom@yahoo.com  
violetegbadon@yahoo.com  
joguiro@yahoo.com  
wcsjunior@yahoo.com  
samy.cortes@yahoo.com  
hsuarezrios@yahoo.com  
wlpnmv@yahoo.com  
13563087333@qq.com  
12345@qq.com  
3589447775@qq.com  
13487591499@qq.com  
soporte@myonecallxpress.com  
rhcnbmzg@snapunit.com  
finanzas@fem-ingenieria.com.co  
wgarcia@sidepsa.com.co  
paulorobert156@bol.com.br  
jerseilian@bol.com.br  
cletocor@bol.com.br  
marciogomesoline@uol.com.br  
robpin1958@yahoo.com.br

nina.bbom@yahoo.com.br  
cassianomarko@yahoo.com.br  
elio.pires@yahoo.com.br  
agroalba@mhnet.com.br  
margarita.rengel@hotmail.es  
mercedesrocio@hotmail.es  
jennyherrera725@yahoo.es  
fmorenodaza@yahoo.es  
gustavo@sarasantojitos.net  
cecgomes20@comcast.net  
duster.1@cox.net  
adautopinheiro@hotmail.it  
pino.varratta@libero.it  
mminorchio@libero.it  
rosaangelacino@libero.it  
isabel.freitass@sapo.pt

## Exhibit 2.5

The *rep\_cel* field values from *representante* for these 400 records,  
sorted alphabetically.

rep_cel
---------

(809) 964-0979

(829)639 4590

+256712538522

+34627046884

+3518970862

+351967468465

+375257843934

+393479126620

+50499333582

+51 1 2642019

+6287854497098

+77015261730

+79170638522

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989649964

99072736

99314089

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995795449

9991310303

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VB CF y DG u d

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## Exhibit 2.6

The *rep\_fone* field values from *representante* for these 400 records,  
sorted alphabetically.

rep_fone
----------

(809) 964-0979
(809)472-0404
+256712538522
+351967468465
+351968970862
+375257843934
+393479126620
+50499333582
+51 1 2642019
+6287854497098
+77015261730
+79170638522
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**Exhibit 2.7** The *rep\_end* field values from *representante* for these 400 records, sorted alphabetically.

rep\_end

[illegible]



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2459 jacaranda dr  
258 vine st  
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26 stirling Road  
2912 NW 67TH COURT  
2° REP CAMP RAFFALLI CCL  
3 odudu eleyiwo oniru estate  
30 franklin st  
3356,Old Line Avenue  
3550 blve dr#103  
3764 East Bart Street  
37A Ashburton  
40-letia Pobedy,8  
403 branch wood ln  
437 Captain Eames Circle  
4392 Candlelight Drive  
44 alhekma st  
454 parkwood way  
5 elm dr  
540 D ST Apt 9  
5514  
5618 48th ave  
56799  
586 W Stacie Avenue  
6237 crafton st  
6367 Hanger Park Dr  
647 brittany n  
654  
66 Harrington Farms  
671 47 street,3a  
6985, boul. des Laurentides, Laval,QC  
7564 chateau ct  
825 aventura drive  
878 broadway  
9  
9 walden  
97 bellevue avenue  
AV 3 #15-87 EDIF ORIPAYA  
AV NARCIZO MENDOZA  
AV. Duque de Caxias  
Alberto  
Alfonso XIII

Antonio Sanchez s/n y Francisco Ecija  
Av Alcantara Navarro  
Av Juan Pezet 1765 - San Isidro  
Av. Camino Real Nº 476  
Av. Generoso Marques, 1562  
Av. Marco Polo1461  
Av. Sarasota 20  
Av. Tnte Hugo Ortiz y Moro Moro  
Av. Universitaria Km  
Av. dos Caiapós  
Av. española edif 23  
Av. francia  
Av: Brasil  
Avenida 17 de julio # 8-65  
Avenida Laranjeiras  
Avtozavodskaya 68  
Barrio El Porvenir  
Block 223plot 2165 nabwojo  
Bond Streeet  
Buinickogo  
C-21-1-12, Pangsapuri Sri Abadi  
C/ Sant Jaume  
CALLE 1 # 12-58  
CALLE 22A Nº 16A - 05  
CALLE VIRGEN DE GUADALUPE,8  
CAMINHO DAS COURELAS  
CAMPECHE 270  
CLL 54 16-18  
COSTA DE SOL  
CUSCO - CANCHIS - SAN PEDRO  
Calle 10  
Calle 1ra, Res Don Jose II  
Calle 72B No. 70F-45  
Calle Eugenio Von Boeck  
Calle Las Gardenias 232 dpto. 401 Valle Hermoso  
Caminho Velho da Palmeira  
Caminho dos Saltos  
Caminho dos Tis  
Carlota Jaramillo  
Carrera 47 # 55-30  
Carvajal 195 y la Gasca  
Cll 12b 32A 86  
Col. Sandoval sorto

Col. Santa Monica segunda calle bloque 2 casa 37  
Cra 136A 145 30 Casa 36  
DESA VIEW TOWER  
Desa Sumberwudi Karanggeneng RT.001/001  
Dona Marina dechamps  
Dresden Way  
E1- 89, Street 55, Sangkat Boeung Reang, Khan Daun Penh,  
Phnom Penh City, Cambodia  
Estrada do Pedregal  
Ex Calle Union 107  
Flat A, 3/F., To Li Garden  
Flat E,11/F King Win Fty. Bldg.,  
Gurabo Calle 20  
Joaquin Requena  
Josefina Reis Assunção  
Jr Jose de San Martin 150  
Jr Nazca 656 dpto 303 torre 1  
Jr. Roberto Barriga  
Jr. jose antonio encinas  
Juan Paullier  
Juana de Oriol  
Kigali  
Kunimoto2254-2  
LIRIÑÑ  
La Concordia  
Lavrinovicha  
Livermore  
Llano Grande:calle Carapungo y Psje: Princesa Pacha  
Loural  
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Main ST  
Manzana 25 No.5 el eden  
Meseta  
NBA  
No.41, st.143 Phnom Penh  
No.57, Lorong Bentara 16A,  
P.O. Box 21940 Kampala  
PP  
PRLG.JOSE GALVEZ 1360 EL PROGRESO  
Plaza Arturo Piera  
Po Box 3232  
Potosi  
Psje. Talara Pueblo Joven el Porvenir

Quito  
R Dr Flauzino Mendes  
R: Mariana  
RES EL DORAL  
RUA DA ESPERANÇA  
RUA JOÃO MATEUS DE MORAES  
Repardo 13 #17  
Rua 13 de maio  
Rua 405 Qda 124  
Rua Augusto Haller  
Rua Barreira Vermelha nº2A  
Rua Dom Antônio de Almeida Lustosa  
Rua Dom Dinis  
Rua Guarani  
Rua Helio Campo Dallorto  
Rua Ismael Nery  
Rua Java  
Rua Jo  
Rua Jo  
Rua Jo  
Rua Luiz Catharin  
Rua Marcelo Terceros Banzer  
Rua Nova Quinta Deão Edif. Cuibem 1 2º E  
Rua Rio Pardo  
Rua Sao Martinho  
Rua das boas noites  
Rua do Barreiro  
Rua do Damasqueiro  
Rua do Juncal  
Rua francisco franco  
Rua x1  
Sha cj 06 ch 15 cs 19  
Stepnoy4  
Suit 3, Mammy, Lungi Barracks  
Tercera av Norte y Novena Calle Poniente Varrio El  
Travessa da Paragem. Moradia D  
Trías de Bes  
URB LA NUEVA GRANJA  
Urb. Ciudad Jardin  
VIA PERTINI  
Via Strada Ciosa  
Viale Tito Labieno 70  
Wood Dale Rd

Zone 11 gariki Abuja  
a barreira  
adfaf  
agrupacion ciudad nueva Mz 19 Lt 06  
america  
antonio josé moreira  
asd  
av independencia  
av. 6 de diciembre 20  
av. antisuyo  
av. dsadwqdqw  
av. revolucion  
av. sucre 1125 dpto. 44  
av.las parhuas  
avenida calouste gulbencan  
avenida curralinho  
b  
bancofinan@gmail.com  
battambang  
bawujiu  
bayan  
beijing  
beilin  
beisan road  
breton  
c  
c/primer a #9 res. mendoza 2  
calle 12 # 18 b 42  
calle 13 No 24-70  
calle 13 N° 8 - 30  
calle 14 #11\_44  
calle 4b # 53 f 19  
calle 5 de junio  
calle acosta ñu  
calle azua  
calle bermudez #128  
calle del maestro c cero cora  
calle miguel negrete  
calle san nicolas  
calle teniente amado  
calle3 No. 17 a 16  
calle6 No 4AE 20  
calle64A #50-24

capitol ave  
carrera 25  
carrera 52 B 75 50 apto 210  
carrera 83B #15-122  
carretera mella 102  
carretera veron punta cana  
casa  
castrolazaro-portomarin  
cdla jaime roldos  
center st #1  
centro poblado huarichaca  
chongqing  
chunxi road,chengdu  
cl 41c n 62a 17 int 401  
c11 152c 133-09  
c11 20 6 53  
c11 9 20-25  
comunidad sencca chectuyoc  
condor ñan  
conjunto residencial campoy block l 515  
coop. santa Eufracia Mz. D , Solar 1  
cooperativa el triunfo  
cr72 22d - 54  
cra 4 este 30 21  
cra 42 No. 18 a 08  
cuatro torres  
entebbe  
estrada Padre A gostinho João Cardoso  
estrada da camacha  
estrada nacional 360  
fairfield road  
fdhfzfgigjuggf  
fdtyfug  
francisco chira y j paredes  
gao qing qu  
gaungdong  
gjgugygyg  
gui tang  
henan  
henan china  
henanluoyang  
huangheroad  
irb. ttio la florida

jarison  
jilin  
jiqirod kuansahn  
jln balau 4  
joseverissimo  
jositan12@gmail.com  
jr huallaga 434  
jr las palmeras  
jr. miraflores  
jr. miraflores  
jr.pierola  
kawanda  
khjdsjh  
kiev  
kjh  
km30  
ksjdfseu  
l  
la primavera  
la sirena 0e4-51  
laizhou  
lanxi  
larrañaga  
las palmas 3381 depto 4 lan-A Hualpen  
lot 55 D kg teluk baru  
manahuañunca  
manz 21  
micaela bastidas  
mno.bustamante  
montalegre  
mz 4 casa 15  
nangang  
nangang  
odonnell lane  
peaton 6 #50 Hato Mayor  
phnom penh  
phnom penh  
pobox 570372  
pouk chas  
praca bom jesus  
r: Rio Solimões  
rua 1 de maio  
rua Diogo Cao

rua Pref. Antonio Witchemichen  
rua airo  
rua alberto torres  
rua cel pillar  
rua clarissas  
rua da felicidade  
rua da olaria ed alta vista bl2 2 i  
rua do concelho  
rua do triunfo  
rua doze  
rua luis epaminondas  
rua macaé  
rua mateus vicente 11  
rua mato grosso ap.22  
rua nelson lameira pinho  
rua porto velho  
rua senador pinheiro ramos  
rua:das turmalinas  
rue  
rue degrennb  
san francisco de macoris  
sasagawa 4 chome 101 - 12  
shang hai  
shangdongshengjinanshizhongqu  
shanxi  
shenlanlu  
shijiazhuang  
shiyan  
sps  
strada del salice vecchio km 4  
tarakan  
tarqui  
taunton ave  
teide  
tiedong  
tl  
topacio  
tra  
truyuyt  
urb, guardia civil  
urbanização vista alegre  
via Degli Stretti  
via a la loma



via bartali  
via cavourrina  
via kennedy  
via lequile  
via murolo  
via pinelli  
via rosa luxemburg 13  
weihai  
wertyuio  
westside av.  
wilbahi estate  
xian  
yananxilu1764hao606  
yorikido  
yorikido1649-1miura koopo 105  
yura cho 1620 10  
zhangzhou

## Exhibit 2.8

The *rep\_numero* field values from *representante* for these 400 records, sorted alphabetically.




.  
.  
.  
.  
.  
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..  
0  
0  
0000  
001  
001  
001  
00100  
00393  
00852  
00852  
01112  
01281  
02  
03  
06  
07  
07  
07125  
1  
1  
1  
1  
1  
1  
1  
1  
1  
1  
1  
1  
1-22

1-B  
10  
10  
100#  
1000  
101  
102  
102  
1050e  
11  
11  
11  
11  
11  
111  
112  
1125  
115  
118  
12  
12  
12  
12  
12  
12  
123  
123  
12301  
1231  
1231  
12312  
125  
13  
13  
1305  
1310  
132  
1322  
1342  
136  
1376-  
1383  
14

14  
14  
14  
1485  
1485  
1485  
149  
15  
15122  
152  
153  
15310  
15465  
1598  
16  
16  
1603  
17  
17  
172  
1739  
17765  
178/c  
18  
18  
18  
18.  
185  
19  
1918  
194  
2  
2  
2  
2  
2  
20  
20  
20  
20  
20  
200  
2025

205  
2063  
21  
21  
215  
215  
217  
22  
22  
22  
22  
22  
220  
2254  
2254-  
226  
23  
23  
23  
23  
231  
233  
2356  
2370  
2374  
24  
2446  
2459  
25  
25  
2558  
256  
256  
26  
26  
260  
270  
291  
292  
2L  
3  
3  
3

3  
3  
3  
3 E  
301  
303  
31  
31  
311  
32  
32  
320  
324  
32a86  
33  
333  
336  
3381  
339  
34  
345  
350  
353  
37  
37  
379  
39  
394  
39I  
40  
401  
407  
41  
41  
41  
43  
45  
454  
46 a  
468 N  
47  
47  
48



4AE 2

5

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5

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5

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51

51 b

515

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546

55

56

572

59

5b

6

6

60

6036

62

6237

63

633

6367

653

656

656

68

680

692

69785

6985

7

71

72

72

72

73/77

76-93

7699  
77  
772  
777  
779  
786  
8  
8  
8-65  
86  
88  
89  
9  
9  
9  
905  
99  
990  
995  
CASA  
Ih y  
LOTE  
PP  
S/N  
S/N  
S/N  
S/N  
S/N  
S/N  
VB g  
a 3  
bloq  
c-11  
gkjhj  
j-2  
l  
l-2  
l-7  
ll  
miura  
mjb  
n 11  
o

qweri

s/n

s/n

s/n

s/n

sn

sn

xxx

xxxx

None

None

None

None

None

None

None



01  
01  
01  
01  
01  
01  
01545  
01603  
01701  
01721  
01749  
01749  
017571144  
01803  
01841  
01851  
01902  
01930  
02026  
02126  
02136  
02148  
02149  
02149  
02149  
02150  
02151  
02176  
02215  
02368  
02411310  
02740  
02914  
02914  
03001  
030450  
03201  
03400  
043  
050000  
051  
051  
051

051  
051  
051  
051  
051  
051  
057  
06118  
063  
06606  
070650  
070650  
070650  
073  
08225180  
084  
084  
084  
084  
084  
08440  
08861  
08980  
090610  
10  
10000  
100000  
100000  
10100  
10100  
10100  
10147  
11000  
11001  
11001000  
11201  
11204  
11207  
11220  
11354  
11377  
114000  
11800

11800  
11900  
11937  
12060  
12233220  
12235500  
130103  
13480000  
136000  
14055320  
142352  
14270000  
14702114  
15  
1500 445  
150001  
150001  
15011  
15047147  
151500  
15169  
15172  
151800  
152000  
153000  
156300  
157400  
160150  
16201-235  
170105  
17011  
170127  
170137  
170143  
170146  
170146  
170155  
17602  
18100  
182  
19003  
19149  
200050

200940  
20260  
20705  
20724  
20765  
21000  
21002  
21040  
21257  
21345  
21702  
22000  
22000  
22000  
222304  
22240  
23000  
23000  
23000  
23000  
23000  
230101  
234  
23409  
234567  
234574  
23666  
247351  
250  
2500  
2500-609  
250000  
2500155  
250023  
2510-049  
2520-042  
255000  
256  
256  
256  
25641  
26040  
261426



2625-622  
264200  
26440590  
2750-159  
28033  
28212  
29052303  
30066  
30236  
304  
31000  
31100  
31730725  
32256  
32821  
33064  
33064  
33073  
33309  
334  
33446  
33822770  
33971  
35053340  
363000  
3700 384  
3700535  
3700535  
37122  
3730036  
3788  
40000  
400000  
400001  
40059  
41000100  
41200  
4121  
41705155  
4260257  
426068  
432072  
43556

4370012  
4485777  
45000000  
4505-505  
45995000  
46018  
471000  
472  
4730  
475000  
48471  
50000  
50001  
5001000  
5001000  
5001000  
504  
504  
504  
504  
504  
51000  
51000  
5100944  
51032  
511  
515000  
516000  
518000  
52120-090  
53100  
537499  
540006  
54001  
54340095  
5470-000  
54753110  
55109  
55337  
55828-868  
56640000  
57910-000  
58100

59068360  
59073110  
60191  
610000  
610081  
6102  
62254  
64130  
6500000  
66835  
68520000  
6890000  
6890000  
6890000  
69900205  
69918272  
7000  
70000  
70088611  
710000  
71122  
719000  
72000000  
73100  
74180  
760041  
76119  
76875828  
7691600  
77065  
77520  
7800  
78572  
78575000  
78965  
80039  
809  
81750  
82001  
83190  
83706  
83900000  
84

84  
84400000  
85295  
855  
855  
855  
855  
855  
855  
855  
855  
85550-000  
85816020  
85819750  
85868150  
86150  
89157  
9000-011  
9020080  
90453  
9050-071  
9050-219  
9060-010  
9125-012  
9125-043  
9125-128  
9125-194  
9125-902  
92024  
9230-112  
9240-216  
9300-304  
93036  
9325-024  
9325-172  
93257  
9350-033  
93776  
94440  
94806  
94901  
95212

95350  
95828  
95828  
98005190  
98804710  
EC230101  
H7H3A1  
HP3 9AQ  
LIMA 36  
São Paulo  
b169bg  
e16 4eg  
jghgj hj  
kjb  
l  
tyuiuy

## Exhibit 2.10

The *rep\_login* field values from *representante* for these 400 records,  
sorted alphabetically.

rep_login
0511lisslujan87
06zenon
07wjp303
10voiccer
11dede08
1234vi1
12redgigi8
14hm7v3
168peterc1
17jdnst1
1982pao
19noemonterovp
1topcc1
20140320272
23majolivi01
2503sa7
2aikidoc
2i9wxqejjbf910
2kalexcmartins7
2sousafn101
3145825125
3183365469
3santato1
40mds
5voipsenax341
76enchufex
7aguiasroze7
7iylx8gx17pt59c
8006607713
80991096867
8434
8497012235f
8q5tnw4on8yon83
96495300727
KIRIN02
Luckyspirits01
a331cli
abraham1001
abregos7s
adaco31

aech09  
afidalgo71  
ag928  
akijuh13c4  
alambre2  
albacastro14  
alexandrareis1  
alexpaqu3  
alfi1  
alicia2030  
allinenovaes32  
alvarez53c2  
am9008  
ameriquito911c  
anaclaudia2c1  
angelia01  
anglada9  
anka9999  
anthonygiraldo  
asgluis35  
aubrisalvador\_tlf  
autof38  
avsc9  
azebeloni3  
bafrm222c2  
bann8  
barakah05a3  
bbbb11  
bebelonita32  
benedi99  
betty567voip1  
bhinvest114  
bjavierv6  
bonfin205voip  
borges07voip8  
bouaphet  
buja26  
burusac1  
bvp059  
bx27373  
c17043607312  
c21paluka4  
c2csudk7ixrs935

carlacsueth7  
carlosalegro01  
carmenelena1  
cartania710  
casacambulos3  
cece007  
cecgomes016000  
cedillo119  
cedricgh  
cel2voip08  
celoso2  
cesaraugusto298  
cgh114a  
charmed17  
chefaf07ip  
chelcho001  
chouathao1  
christian8943  
cjacome1  
cl12laragiane  
claraher5  
cleoren61  
clientejsa03  
cnoe1  
color115  
comandante0016  
compostela20  
cosmemh30  
cubalibre38  
cubillas4vp3  
cvt04  
danielasilva03  
danielcuba52  
daniellotero16f  
dcf  
delavegamaximo  
dgbr0501  
diegof114  
dologg03  
dorcasmr  
drandpool5  
dripa37  
dxh06



edgardaniel02  
edimax56  
edna0010  
egs010  
elizamor10  
elpalomo  
en87503  
entavarez9  
equipo185  
erikakaty6  
eris1234  
ermos4  
escolero2  
eser8  
esterfone09  
evalika22  
fabrizio79  
fannydes007  
fdbs  
feraatlanta46c  
ffonos8  
fgb3voip7  
fiocco3  
flagusc02  
fo533ccda358bca  
fo53420618c702a  
fo534b36e7a106b  
franciacliente  
freenight2cl1  
frex26174c3  
fulberti47  
gamaya827  
gegre7  
gfs09  
ghl15  
gionela11  
gmq042  
gpsiter1126  
graceofchrist3e  
greenleadafrik6  
grosacf09  
gruporedevix  
gtt308pro2

guaytas4  
gucall8  
guillentello3  
gyanni  
hafizs10  
hajiya  
heang567418  
hechos8  
hegu07voip  
hernando310  
hgq404  
hhkhmer5  
hkt0001  
hog5m5awshdoplp  
honey09a  
horto037  
hsj1948  
hug005  
ianalejandros2  
icce9  
inte5  
interc38  
iranzi6  
jaah84  
janserrodriquez  
jaq168e  
jason1f2  
javierml7voip1  
javitorias8cl6  
jcsantosusa9  
jerseilian999  
jesusmamani6  
jesusmiluz34  
jindiya1tb4  
jishb63c  
joaquinvoip22  
joguiro  
jolvi1cl6  
jordangil05  
juliocc5  
jvillalvir01  
kacr1  
kalabaya9

kash1  
kaydita18voip  
kehilah40  
kenv32  
kikasplinha2  
kikebcn  
kolik3  
kpqq555  
larapy5  
lbf1623013  
ldh43  
lduster5  
lebazi3p6  
lh0rb1ymfondifx  
lhy5882  
liderpires  
lilanacimiento02  
lnd2jgapftbcm5s  
londonx65  
loperro52  
lorecast  
loren0901  
lqx760b7  
lubolfone7  
lucky4phone5  
lucypoc4398036  
luisfernandes5  
luk26105f  
lx51125  
ly5009  
maa1voip2  
maake8  
mags0003  
malidy4c8  
mapy02  
marcelotelexba2  
marianna36  
marinobelen  
mariyy08  
marlibgi1x0  
massimilianom  
maval010  
maxsavoip45

mayola199  
mgomesgroupcl  
milces62  
milingo3  
minudiana10  
mllk4  
mlml123  
mov18006  
movini7v1  
muckluck4  
myaperu3voip8  
mybless81voip6  
mzc0001  
n10c9  
na1  
neath1234  
newmoneywill17  
newtonusa772  
neydrica7  
niko1955eua8  
njmy001009  
nkirote110  
obbahi11  
omeufuturocl  
omonus43  
oresty06  
os8  
osmarinaw2a  
osvaldovaldez02  
pabkuv31  
pachamar15  
pan20  
pascoa3006  
pasha358  
pauliarias  
peka2  
percychn  
perpame2  
pesas29  
peugeot78lc5  
pinovar  
pras99  
preciosom15

pscheng7d  
qkq598  
qrb88010  
raffa1209  
rahiniza10  
ramses8824  
raysa0806  
rebelo116  
relenatal5  
rexal29  
richbeauty3c  
richmarkvangb  
ridlc7f  
riky0044  
rkike7voip5  
rlmartins5c  
rob8  
robert7878a  
robpin20168  
rosalba1234  
rosalindatv187  
rosefel4a  
rosette404  
rosiva1005  
roxysteff15  
royh8  
rry022a2  
rubysong04s3  
s2e  
sa1140  
sagara3vp03  
saifs2  
samaem24  
samann0001  
sanlis2  
santosbalvino09  
saory2013jp6e  
sara986  
sasha1986m09  
sbl0208  
scasab  
schamyp145  
sebasjim18

sebas3  
serna04  
shaareey1  
shafici4  
smarttlx4  
solac  
sonso32  
stacecilia  
sty026  
successbiz42a7  
successcall101  
swane06  
swj  
sxh5670  
taguaexitoso02  
tcvision38  
teamarraza13103  
telexcameca  
th3b3st  
theav10  
titacontreras7  
todopoderoso810  
tonlucca205  
trome023  
turbod2lwxe0  
urias2015  
usnewying007c4  
v7pife001  
vace1  
valeusa100  
valexa09  
valmeidavoip07  
vanesas05  
vangie05  
vegapo26  
vinnytel10  
visionariodeluz  
voipmarcoplus  
voipsantiago7  
voipvalmm35  
voipwhitee  
vopiu103  
voz1046

walfigueiredo  
wendsonfonseca1  
whq0006  
wichol4tres  
williamamaraluy  
wilsonr691  
wlp09  
wsd1681  
xagas7109  
ygl666a8  
ynwcu4tfwl1rr5i  
yulys107  
zeguedesmacvel  
zouzhi004  
zwh788803  
zzy6679a4

## Exhibit 2.11

The *rep\_pwd\_secondary* field values from *representante* for these 400 records, sorted alphabetically.

### rep\_pwd\_secondary

00c66aaf5f2c3f49946f15c1ad2ea0d3  
03435e70b2d275b16191f12f3b41df2f  
043db66e8d0fc4512a0bc9f840f1554d  
04973d1800f7c29d2b5dacdb01f31a7  
0dec527c556b0354a28dafffc266063b  
10f87c89f3fb79f8e86435548376a4a5  
1106ef9ecd422a4e62912c68ac8d2df0  
1200addfe20e301049ec29bec4d40331  
149815eb972b3c370dee3b89d645ae14  
1849c91d7b856fa80fb45b4130d6fd3b  
235b567112edea1e02589e9a734126fb  
263bce650e68ab4e23f28263760b9fa5  
2ad5495bb5022419d894270f829b5125  
2d95666e2649fcfc6e3af75e09f5adb9  
2dcdd05ece6efa19f17274bbc1364330  
2f4e613b3796bb305942e81621f1f088  
2f8339d149a1ea2e112e47d9e29e74d4  
2ff287f725a4e9d9d7c04b7a819c8f29  
381ee61c5844233b757c8dbff6ba975d  
382facfda0c490ec81be9b93b9dd1b  
3d863b367aa379f71c7afc0c9cdca41d  
3e106f801582b714ab41d5fa18e00b87  
3ebcf2ea126331c42b12da5abb3da6b0  
3f1ab41efddee120ba34f197705d1a01  
42aa6053bc606f9645d3832265e9f548  
45e1cc9e358bb3f36f7cbe74e5fc0eec  
4919433b44e074dceda655cf5788a76e  
4c91dd5327d6d3867566013261ac73a6  
4ecc04528d462a27230d8334e79b24b6  
509c5eca2b6523ce3719ddb1c2ab883d  
56eb2fed43098c5f44e1a37ea007251b  
575ea7987311a647196c8669b1c57b70  
58c8221746f2c81a450c45f48adec438  
58ca638d0bc81650ed425b23fa0a0567  
59e020e1b521106aec6cdaf41f5b9ee4  
5a01f0597ac4bdf35c24846734ee9a76  
5e8667a439c68f5145dd2fcbecf02209  
5f14615696649541a025d3d0f8e0447f  
5ff2f237f9e624088563a70efe2528ca  
611de0b10a10b9fae5f3a9bdabeb04fb



62e201f3d00d21ca737fde0e4ed9b545  
6649c7f2602777662f075f0d14d84b35  
677ff5f13ed72ab9580c7a61af6f1645  
680f53fc72a58404c6e6256c48bf753a  
68d47877655c857fedb09e7b7afe7af0  
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[illegible]



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The `rep_cpf` field values from *representante* for these 400 records, sorted alphabetically.

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032784954  
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05062999\_1  
05144123  
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060924  
062774  
06575377  
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091318184 8  
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1111111111  
111117971  
111118368  
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111132248  
111138188  
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11970978  
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123456  
123456789  
123456789  
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61701771  
6172067515  
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6639435  
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66820869  
6695954  
673013sh  
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68535174  
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987456321  
987652535  
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mg12123680  
re0726078  
s27-1302453

## Exhibit 2.13

The *rep\_datanasc* field values from *representante* for these 400 records, sorted chronologically.

rep_datanasc
--------------

1947-10-26
1948-03-06
1954-06-19
1957-05-09
1961-02-23
1961-07-15
1962-01-06
1962-08-26
1963-05-05
1964-06-24
1965-02-09
1965-05-18
1966-11-10
1967-01-16
1967-06-14
1967-09-06
1967-09-09
1968-05-06
1969-02-03
1969-03-02
1969-05-15
1969-08-24
1969-08-29
1969-09-23
1970-10-05
1971-03-13
1971-08-05
1971-11-15
1972-01-15
1972-02-05
1973-02-08
1973-10-23
1973-12-30
1974-08-24
1974-11-02
1975-01-01
1975-04-04
1975-04-19
1975-05-30
1975-07-10

1975-11-09  
1975-11-21  
1976-05-09  
1976-06-23  
1976-07-19  
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1976-12-01  
1976-12-17  
1977-01-12  
1978-01-01  
1978-03-09  
1978-07-12  
1978-08-24  
1979-04-25  
1979-10-01  
1980-05-01  
1980-06-30  
1980-07-22  
1980-08-20  
1980-09-04  
1980-12-18  
1981-02-28  
1981-10-24  
1982-04-14  
1982-06-19  
1983-02-04  
1983-08-19  
1983-10-23  
1985-05-18  
1985-11-07  
1985-12-22  
1986-04-24  
1986-07-03  
1986-07-13  
1987-03-25  
1987-07-28  
1987-09-22  
1987-12-06  
1988-02-17  
1989-02-02  
1989-03-07  
1989-08-08  
1990-08-12

1991-03-29

1991-04-13

1992-02-22

1993-02-09

1993-03-08

1994-08-16

1996-01-26

1996-10-04

2013-01-28

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## **EXHIBIT 3**

## Exhibit 3

The *rep\_nome* field from *representante* for 300 records chosen randomly with fixed random seed, selected randomly among those 97% of records for which *rep\_nome* is 5 characters or longer and contains only the alphabetical characters or period, comma, hyphen, space, or apostrophe.

Highlighted values of *rep\_nome* were deemed to not look like a name.

rep_id	rep_nome
27827474	jack zheng
21639603	alcebiades de souza neto souza
11143629	olger hancoco condori
13347935	JESUS PEREZ
12439637	jose correia da silva
26556190	Francisca Orlanda de Lima Ferreira
21123269	long fang zhang
29846120	lizardo juarez apaza
25261112	Gustavo Maroso Gessi
24654528	alex malo
26833110	Rosa Urena
14643515	SERAPIO ACURIO RAMIREZ
27588446	javier Patino
12873725	Clemente Geronimo Viasalla
30211184	Nina Mazhaylova
14748375	ariel hoyos lozada
29975304	gilmar de jesus silva
10858007	eraldo bolan
17801155	wilson lima
14030641	Natalia Vasilyeva
30989782	John Williams
25346644	eloy flores
27204416	luis g jimenez
32305954	enrique guizado
31917132	iracema laudelina da silva
21664499	cua cua xia
17298997	Juan Cuesta
33146908	sd lkjhgf
17197597	osorio mesut
25726838	claudia potgieter
13488927	marlene polanco
19547891	gnjli zhang
22189353	decio andrade
16158397	yefer turpo llanos
30483498	Claudio Emmanuel Brito Gomez
20750909	yanping li
33826742	michel p
26727212	jeferson daniel freitas
12554677	patricia salazar valenzuela
11365003	Orestes Boggiano
28545600	Igor Kotenko
31314930	gregori santer
33723788	deniz judy mamani ccasa

14451789	Javier Villanueva
29677522	Efemia Carmen Cruz Cahuana
15265797	Nelson Santos
19468545	jianzhe huo
13315929	Wanderley de Carvalho Silva
10530005	Carlos Abel Salas Davalos
28518052	Carolina Calderon Gil
10722643	Yuldash Gafarov
27442684	Phayfer Souza Sutil
30111168	tinoco rodrigues menezes
22851811	evaristo mamani mamani
21045251	carlos perez
23671674	rifei teng
10446609	Robertas Rimkus
21729879	Eulises Heriberto Monserrate Bravo
15846211	fuyun ji
14994545	wendy Arteaga Cruz
26411026	HUBERT CORAZAO TEVEZ
14253205	Claudio Bueno
24260454	daju li
32010776	nelson paniagua
23644630	renee montalvo medina
10616271	Ainomugisha Diana
17330205	isabel dominguez leon
23777936	kuiying liu
25041340	yong jiang
29945982	Sergei Ulyanov
23118721	denny pacompia zapana
20614081	nelson navas
19832919	wilmer escobar
22118085	Roberto Lacouture
19702065	dava chanta
18726741	daniel rogelio suca jara
28780038	JOSÉ EDUARDO SEDOSKI MENDES DA SILVA
23804438	kelun tian
26403090	aleida aragon cocoma
28694740	marco carvalho
11102417	Concepcion Monarrez
26138348	ian kimani
14216493	João da Silva Junior
28132220	MARIA NEVES
27193598	sergio damian
22579909	ricardo oliveira
23884394	mario ribeiro
18772447	luis cruz
20766673	agnaldu fritz
23242129	Virginia Reyes
15856237	Berto Genao
10370785	oscar Hernández Jiménez
32307940	John Williams
18904695	rocio ydme torres
28172270	francisco divino tavares



13112507	gelvane pereira da silva pereira
19333869	tyhour pheng
10476541	welliton melo
12696947	ruixian wang
24719078	kefeng zhao
11136703	pascualita jaen segarra
23578064	nixon aldaz
33416008	alexandre souza
25668562	Nelly Jluissa Giron
19151285	Eulalia Huanca Quilla
33934712	leo da cunha
33468562	Joshua Omaruic
25935690	JULIE HER
30182938	valentin barrera
33944108	mario alexander melo
16628125	clariza pareja flores
27818372	julio fenandsdes
21455879	angel meza hidalgo
27553662	JOHN AFEDZIE
30853710	luis nunez
30128138	Don Yang
10843919	Matt Modica
31804596	reyna trujillo layme
13111583	gina pierre
28101274	Houdy m
31828564	elizabe sanchez
32314920	Luz Gloria Uribe Vélez
18656911	jorge gallardo
23650506	DONG HAE
15292719	Viktor Cherepanov
33836416	Sunday Ayodele Ajayi
21048495	dora escobar
21507093	mingyue qu
16920799	Paula Espinal
28454984	Jon Wing
24027588	Jenny Olivares
26561370	Victor Mendoza Zavaleta
13883327	lala sasa
33931384	João Melo
10911121	hernando gallo
18186615	MEI XIAO
13579601	dave saka
21706639	du du
12781019	igor morais avelino matias igor
27073276	indalecio ñahui calle
27952704	ling shan
31822950	marcos rodriguez
24278798	nadezhda kalugina
24857390	Adriana Bettencourt
14272457	lidia avila
23709932	Herika Patricia Guzmán Gómez
10856257	Luis Antunes

30284334	Renato Domingues
31613346	jorge rivera pereira
18633033	Waydene De Paula Abreu
22112953	CINALDO MENEZES SOUZA
26038110	carlos estacio
15116109	Alexandra Ortiz Ruiz
21530799	jihua xia
16247449	AIDA ORTEGA ZHUNIO
33720942	QUIRINO NUNES
30985344	nuri vargas reyes
15152611	walter blaudt da vitoria
33039288	diego cahui quispe
21081955	Lin Wong
30309446	roberto cadeddu
22366803	Ruben Solano
29498504	bin he
30794978	xxxxxxxxxxxx xxxxxxxxxxxx
17351141	yankson arevalo
11808979	clemilson
23577506	Thiago Andrade de Souza
24486278	Antonio Pereira
17631747	Khun Teck Yap
11465347	delia murrieta lopez
25599514	xixi la
15878913	jesus botelho
27374278	Thiago Ricardo Nunes Silva fe Oliveira
32549964	julia ramos
30086112	luiz carlos da silva
26667364	daeana souza
29220588	John Williams
18823371	mika monn
13945879	rosalie awat montero
25699416	jose natanael gomes
23388041	Silvia Padilla
11035363	Soraya Ferreira
22404535	bin li
31862488	betulia flores
32563234	marcone borges da fonseca
14060779	Luis Dumitru
6386218	Jarolin N De Jesus Hannia
30422776	Lucia Vargaya Paiva de castillo
12440603	Nelson Pereira Santana
21451229	eugenio mercedes gomez
29753068	orlando dadalt
30847112	Joao Baiense
15215641	Ana Clara Noberto Galdino de Araujo
33035076	Barbara Sousa
27999502	ming hua
20260595	laura santafe
15040785	Abraao Santos de Jesus
29721888	John Williams
32772146	lazarom Mejia

25951124	andre FRANCISCO RIBEIRO MENDES
29671862	mengqing ma
11425687	Noemi Kisorssy
18175887	Oa Chamroeun
26244836	juan stiven giraldo
31620552	LORENA PAOLA soriano sanchez
22300533	Fernanda Paredes Calatayud
19061079	fen li
19575369	Allan Valeriano Chavez Mejía
29902974	Bobby Brown
24611576	fabian carrion
15266363	mihai vlad
14109257	gustavo raniele fontes silva
25228946	anselmo vicente castillo
26907736	yongqin li
13173065	Maria Alvaro
22627643	luisa braganca
26528936	antonio goncalves
11722069	kule ibrahim
21205459	elio escalante
29015204	Monica Martelo
18976735	maria guillermina huisa calloquispe
26186662	alan apaza mamani
28865286	maria teresa barreto pita sousa
14817049	elson ferreira
10342005	Sharon Couch
15075999	CARLOS EDUARDO HUAMANI NOA
11144859	jinmei wei
30915146	Murilo Fernando Batista
18936763	Marcelo Yol Ajuchán
31006768	John Williams
17740871	Jose E Landaverde
27990486	baihe guo
15590039	flavio torres
12244139	juan ceron
13381807	Carlos Chavez Mazache
23822232	jian chen
27503384	Ralph Njau
19729071	Chhay Rat
19944259	EVELYN REBECA PASCACIO EGUSQUIZA
21591595	David Ornelas
24089362	Pamela Alejandra Diaz Osorio
13043869	Maria Matos
14130403	Manuel Álvarez Miño
24705260	hangbin yu
12775181	Leandro Germano Mendes
18782041	diego armando bautista esquivel
16568641	Paulo Santo
23518442	Marioza Menezes Farias
30099918	santo soto
18967203	Hugo Dalto Sanchez Leon
21625397	uvestor Ojobin

21964629	lijuan tong
20846267	silvani brais de souza
20562689	Marcia Meira Sellmann Moreira
26792974	jó santos
25069386	ngu deru
13302037	Constantino Meliton Ruiz Maldonado
26545916	cipriano dias
23136141	ernesto antonio duran polanco
14930517	YOHON RONAL QUISPE FERRO
15984601	Minea Ngam
33386438	Victor Sosa
12628197	TABULA HASSAN
28884248	dina viveiros
25064818	abel pilco huahuacondori
19815891	LARRY KING LIVE
15665339	aaaaa aaaaa
20459057	Jvan Di Stefano
32503118	pharrell bass
19186679	Aleksandr Domilovskyi
19692883	Ly Fang
17629131	Yevgeny Chernov
31638120	MARILENE PAULINO VIEIRA
17253715	Rosa Ortiz Lopez
31647898	mayra romero
12528333	mayker hidalgo sanchez
32116632	tatiana vitreniuc
16230235	Donald Rachels
16283257	sonia capinha
30256280	beijun ma
24349640	antonina jaime
14081611	maggy nehi
13189637	pukul dua
23562972	ronald nogales
30023688	erasmo barroso
5842880	Darrell Hunter
33089548	VOIP VOIP
18618529	marcos carrasco bustamante
25217686	svgb wang
20213561	hans sosa leon
14098359	Lizbeth Huerta
17982383	lightning carrier
14015255	MARINA ROIK
28219782	shirley katherine napa paz
22966851	Aleksey Badmaev
18571375	John Gutierrez
13784085	Fernando Avila Barros
33711134	olga aguirre
17796921	Natalia Karume Hayashi
26024538	Jack Zheng

# Exhibit D.

**In the Matter of:**

*In re: Chapter 11 Cases TELEXFREE vs  
FRANZ BALAN*

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*Cameron E. Freer*

*April 04, 2023*

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In re: Chapter 11 Cases TELEXFREE vs  
FRANZ BALAN

Cameron E. Freer  
April 04, 2023

1 UNITED STATES BANKRUPTCY COURT  
2 DISTRICT OF MASSACHUSETTS  
3 \*\*\*\*\*  
4 In re: Chapter 11 Cases  
5 TELEXFREE, LLC, 14-40987-EDK  
6 TELEXFREE, INC. and 14-40988-EDK  
7 TELEXFREE FINANCIAL, INC., 14-40989-EDK  
8 Reorganized Debtors.  
9 Substantively Consolidated  
10 \*\*\*\*\*  
11 STEPHEN B. DARR, AS TRUSTEE  
12 OF THE ESTATES OF TELEXFREE,  
13 LLC, TELEXFREE, INC., and  
14 TELEXFREE FINANCIAL, INC.,  
15 Plaintiff, Adversary Proceeding  
16 vs. No. 16-4006  
17 FRANZ BALAN, A REPRESENTATIVE  
18 OF A CLASS OF DEFENDANT NET  
19 WINNERS,  
20 Defendants.  
21 \*\*\*\*\*  
22  
23 Magna Legal Services  
24 866-624-6221

In re: Chapter 11 Cases TELEXFREE vs  
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April 04, 2023

2

(Continued)

\*\*\*\*\*

STEPHEN B. DARR, AS TRUSTEE  
OF THE ESTATES OF TELEXFREE,  
LLC, TELEXFREE, INC., and  
TELEXFREE FINANCIAL, INC.,

Plaintiff, Adversary Proceeding  
vs. No. 16-4007

MARCO PUZZARINI AND SANDRO  
PAULO FREITAS, REPRESENTATIVES  
OF A CLASS OF DEFENDANT NET  
WINNERS,

Defendants.

DEPOSITION OF CAMERON E. FREER

Conducted Remotely

Murphy & King

28 State Street

Boston, Massachusetts

Friday, April 4, 2023

1:06 a.m. Eastern



In re: Chapter 11 Cases TELEXFREE vs  
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April 04, 2023

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1 APPEARANCES:

2  
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22  
23  
24

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P R O C E E D I N G S

THE COURT REPORTER: My name is Cynthia Powers. I am a court reporter and notary public in and for the Commonwealth of Massachusetts.

This deposition is being taken remotely. This witness is appearing remotely from Murphy & King, 28 State Street, Boston, Massachusetts.

The attorneys participating in this proceeding acknowledge their understanding that I am not physically present in the proceeding room, nor am I physically present with the witness and that I will be reporting this proceeding remotely. They further acknowledge that, in lieu of an oath administered in person, the witness will verbally declare their testimony in this matter under the pains and penalties of perjury.

The parties and their counsel consent to this arrangement and waive any objections to this manner of proceeding. Please indicate your agreement by stating your name and your agreement on the record, after which I will swear in the witness and we may begin.

MR. RONA: Good morning, Ilyas Rona on behalf of class defendants, and I acknowledge and

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1 consent to the arrangement as described.

2 MR. DURAN: Good morning, Attorney  
3 Michael Duran on behalf of the class defendants,  
4 and I also acknowledge and consent.

5 MS. KRAEMER: Good morning, Lea Kraemer  
6 on behalf of the class defendants. I also  
7 acknowledge and consent.

8 MR. LYNE: My name is Daniel Lyne, I  
9 represent Stephen B. Darr, trustee of the estates  
10 of TelexFree, LLC; TelexFree, Inc.; and TelexFree  
11 Financial, Inc. I consent.

12 CAMERON E. FREER

13  
14 having been satisfactorily identified  
15 and duly sworn by the Notary Public,  
16 was examined and testified as follows:

17  
18 DIRECT EXAMINATION

19 BY MR. RONA:

20 Q. Good morning, Dr. Freer. My name is  
21 Ilyas Rona, I represent two classes of defendants  
22 that are being sued by the trustee in connection  
23 with the TelexFree bankruptcy.

24 I'm going to be asking you questions

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1 today and I would ask that you allow me to finish  
2 the question before you start to answer just so  
3 that the court reporter can fully record my  
4 question. Does that sound fair?

5 A. Yes.

6 Q. And likewise, I will do my best to allow  
7 you to finish your answer and if for whatever  
8 reason you haven't finished your answer when I  
9 start my next question, would you please indicate  
10 that to me?

11 A. I will.

12 Q. Okay.

13 A. You mean verbally or visually?

14 Q. Yes, verbally.

15 On that note, all answers that you give  
16 have to be verbal because the court reporter  
17 cannot interpret head gestures or things that are  
18 nonverbal or not words like uh-huhs.

19 So if you could answer "yes" or "no" or  
20 with words to the best of your ability, that will  
21 help this process. Does that sound fair?

22 A. Yes.

23 Q. Could you state your full name for the  
24 record, please?

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1 A. Cameron Eric Freer, F-R-E-E-R.

2 MR. LYNE: Ilyas, just briefly, reading  
3 and signing; shall we get on stipulation on the  
4 record?

5 MR. RONA: Sure.

6 MR. LYNE: Shall I propose one? witness  
7 to read and sign within thirty days, waive  
8 notarization.

9 MR. RONA: Yeah, we agree to that.

10 MR. LYNE: Okay, thank you.

11 BY MR. RONA:

12 Q. Do you have a Ph.D.?

13 A. I do.

14 Q. Do you go by Dr. Freer?

15 A. Yes.

16 Q. Okay. Dr. Freer, have you been deposed  
17 before?

18 A. No, this is my first time.

19 Q. Okay. Have you ever testified in a  
20 deposition -- excuse me, in a trial in connection  
21 with any type of proceeding?

22 A. No.

23 Q. Okay. So this is the first time that  
24 you're giving recorded testimony in your life?

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1 A. Correct.

2 Q. Have you served as an expert witness in  
3 litigation before?

4 A. No.

5 Q. Okay. So this is the first time that  
6 you are making some sort of foray into the legal  
7 system; is that correct?

8 A. Yes.

9 Q. Okay.

10 A. As an expert witness.

11 Q. What involvement have you had in the  
12 legal system separate and apart from being an  
13 expert witness?

14 A. I was the plaintiff in a suit in  
15 Delaware a few years ago regarding compensation  
16 from Remine.

17 Q. What is Remine?

18 A. It's a real estate analytics startup. I  
19 was contracted through Borelian Corporation, my  
20 company, to do various data-analytics work for  
21 them several years ago and there was a minor  
22 dispute involving compensation related to things  
23 involving stock options and such.

24 Q. Okay. I'll come back to Remine, but is

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1 that litigation over?

2 A. It was settled after the filing, shortly  
3 thereafter.

4 Q. Aside from the Remine litigation, have  
5 you been involved as a party or a witness in any  
6 other litigation?

7 A. I don't think so, no.

8 Q. Okay. Let's talk about -- could you lay  
9 out your educational background starting with high  
10 school?

11 A. Sure. So I grew up in Amherst,  
12 New York, suburb of Buffalo. I went to high  
13 school at Williamsville North High School. I was  
14 already interested in mathematics and focused on  
15 that, among other things. I graduated in 1999.  
16 I then went to the University of Chicago  
17 as an undergraduate where I got a Bachelor's  
18 Degree in mathematics, graduating in 2003. I then  
19 went to Harvard University where I got my Ph.D. in  
20 mathematics, finishing in 2008.

21 Q. Does that summarize all of the degrees  
22 that you've received from graduate institutions?

23 A. Yeah, that's correct. The Ph.D. at  
24 Harvard and -- is the only graduate degree.



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1 Q. And I may have missed it, but was the  
2 Ph.D. in mathematics?

3 A. Correct, in mathematics.

4 Q. Okay. And are there any aspects of  
5 those degrees or were there any separate degrees  
6 relating to anything to do with computing,  
7 separate and apart from mathematics, or are your  
8 degrees exclusively in the field of mathematics?

9 A. The degrees are in mathematics.

10 Q. And after -- you've produced a CV in  
11 this case; is that correct?

12 A. Correct.

13 Q. Okay. Let me mark that.

14 A. It was an exhibit with the report.

15 (Marked Exhibit 1)

16 THE WITNESS: Shall I open new exhibit?

17 BY MR. RONA:

18 Q. Yes, yes, please.

19 A. Okay I see it.

20 Q. Okay. And is this a copy of the CV that  
21 you've furnished counsel with in this case?

22 A. I believe so. I'm just clicking until  
23 the end, slowly loading the pages.

24 Q. Yeah, if you could just flip through the

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1 pages and tell me if that's what you think.

2 MR. LYNE: How many pages?

3 MR. RONA: Thirteen.

4 Q. If you could tell me if that's your  
5 complete CV.

6 MR. LYNE: No, should be 15.

7 THE WITNESS: Maybe this is an earlier  
8 version or from a public website earlier, I'm not  
9 sure.

10 MR. LYNE: Was this attached to the  
11 report? Is this the one that was attached to the  
12 report?

13 THE WITNESS: No, this appears to be  
14 different from the exhibit. I can see what  
15 differs. I assume it's an older version.

16 BY MR. RONA:

17 Q. I can mark the report if you want. I'm  
18 not so much interested in --

19 A. It looks like something I produced. I'm  
20 happy to answer questions about that.

21 Q. This looks like a CV that you had  
22 prepared at some point?

23 A. It would take some work to figure out  
24 what date in the past. It says at the bottom,

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1 "Last updated November of 2020," okay.

2 Q. What page do you see that?

3 A. The bottom of the first page. Maybe you  
4 took this from my website or...

5 MR. LYNE: So just for the record, the  
6 CV that's attached to the report is 15 pages.  
7 This one appears to be 13 pages.

8 BY MR. RONA:

9 Q. Okay. I'm looking at your CV. This  
10 version -- I understand you may have a different  
11 version, but looking at this one that's been  
12 marked as Exhibit 1, I see that it says the Ph.D.  
13 in mathematics at Harvard, 2008. And then is it  
14 the case then that you proceeded to become an  
15 instructor in mathematics from 2008 to 2010?

16 A. That's correct, yeah, instructor in pure  
17 mathematics is the name for one of several kinds  
18 of post-doc positions at MIT.

19 Q. Since 2008, have you taught continuously  
20 at MIT?

21 A. No, in the sense that some years I've  
22 not taught and also I've not been at MIT every  
23 single year. I'm again at MIT and I have taught  
24 in the last year, but not at MIT.

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1 Q. Could you lay out for me your -- after  
2 you got your Ph.D., what you did in terms of  
3 employment after 2008?

4 A. Sure. So for the first two years, I was  
5 in the position you mentioned as an instructor in  
6 pure mathematics. So that was a research and  
7 teaching post-doc, as I've indicated.

8 Then I was at the University of Hawai'i  
9 at Manoa as a post-doc for one year from the NSF  
10 grant of Bjørn Kjos-Hanssen, my post-doc mentor.

11 I returned to MIT for several years with  
12 two other different post-doctoral titles;  
13 post-doctoral fellow and post-doctoral associate,  
14 and those were in the Computer Science and  
15 Artificial Intelligence Laboratory, and the  
16 Department of Brain and Cognitive Sciences.

17 Then overlapping with that position, I  
18 was also employed as -- the title was Lyric Labs  
19 visiting fellow within Analog Devices. So this  
20 was a -- an industrial research lab within the  
21 large company, Analog Devices.

22 And also overlapping and continuing  
23 after that, I was a research scientist at Gamalon  
24 Labs, which was a startup that was formed in part

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1 to participate in a DARPA research program in  
2 probabilistic programming languages.

3 when that concluded, I did some  
4 mathematical consulting and was also working with  
5 Remine, the company that I mentioned earlier,  
6 eventually as chief scientist.

7 And then somewhat after that concluded,  
8 I returned to MIT in eventually the position that  
9 I'm in now, a research scientist in the Department  
10 of Brain and Cognitive Sciences, and specifically  
11 in a group known as the Probabilistic Computing  
12 Project.

13 Q. Thank you for that. Let me go back on a  
14 couple of these things. You may have said it, but  
15 what is -- what does Analog Devices do?

16 A. As a company, they do many things  
17 including design and I believe manufacture of  
18 computer chips including analogue chips, as the  
19 name mentions.

20 But Lyric Labs was a research  
21 organization within it that was founded by Ben  
22 Vigoda as a startup then acquired by Analog  
23 Devices and continued to be a research lab within  
24 their Cambridge office.

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1 And Ben Vigoda then went on to found  
2 Gamalon Labs, so it was essentially two different  
3 research labs with the same research lead.

4 Q. Okay. And what did you do for either  
5 Analog Devices, Lyric Labs, or both?

6 A. Yeah, in both cases I was engaged in  
7 probabilistic programming research. So this  
8 included design of probabilistic programming  
9 languages, which are a particular approach to  
10 probabilistic machine learning and artificial  
11 intelligence.

12 It also involved some of my other  
13 mathematical research in computability, complexity  
14 theory, probability and statistics. In both  
15 cases, it included a sort of range of academic  
16 research to more applied industrial research.

17 Q. Okay. And was any aspect of what you  
18 did for Analog Devices or Lyric Labs, did it  
19 involve sort of observing or interacting with any  
20 human behavior; meaning, the data created by  
21 people?

22 A. Indirectly, yes. Sometimes  
23 probabilistic programming languages are used to  
24 model human psychology. People will, in some

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1 cases, even do psychological experiments, though  
2 that's more on the academic side. An indirect  
3 application. I was not directly involved in  
4 experiments with humans.

5 Q. That was going to be my next question.  
6 Did you have any involvement in applications  
7 involving psychology for Lyric Labs or Analog  
8 Devices?

9 A. Not directly.

10 Q. When you say "indirectly," what -- can  
11 you just explain --

12 A. Yeah.

13 Q. -- what you did?

14 A. Probabilistic programming languages are  
15 general tools that have many applications, and  
16 applications in cognitive science and psychology  
17 are some of the key applications.

18 And so by influencing the design and  
19 working on the design of such languages, I was  
20 building tools that have been used extensively by  
21 cognitive scientists in that sense.

22 Q. In order to do that, did you get any  
23 training or education on human psychology?

24 A. Indirectly by working with cognitive

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1 scientists, and I've sometimes gone through the  
2 formal requirements of what's needed to get  
3 certification for labs that work with humans, but  
4 I was never involved directly in, say, gathering  
5 data for such experiments.

6 Q. You said "formal certification." what  
7 did you do or have to learn in order to get a  
8 formal certification?

9 A. I don't recall the details from a number  
10 of years ago, but a few months ago -- for example,  
11 within the last couple of months, I renewed a  
12 certification at MIT through their Office of Human  
13 Experimentation Certification -- or I forget the  
14 exact name.

15 And that involved an online course that  
16 took on the order of an hour or two, sort of  
17 working through, you know, reading materials about  
18 the legal and ethical requirements for experiments  
19 with humans and answering questions about that.

20 Q. Okay.

21 A. Formal compliance training.

22 Q. Apart from any training or education on  
23 legal and ethical standards, have you received any  
24 training or education in the field of psychology?



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1 A. Again, only indirectly by working  
2 closely with cognitive scientists and  
3 psychologists on research.

4 Q. Would you say that that interaction was  
5 on a -- sort of an as-needed and informal basis,  
6 or was there any formality to it?

7 A. I would say informal.

8 Q. Okay. You mentioned Gamalon Labs and  
9 DARPA funding. Could you describe what you did --  
10 what Gamalon Labs does and then what did you do  
11 for Gamalon Labs?

12 A. Yeah, so Gamalon Labs, I believe it  
13 continues under possibly a different name with  
14 perhaps a product oriented at companies that have  
15 since developed in the years since I left.

16 But at the time, it started off with  
17 DARPA as its primary customer through the DARPA  
18 program, PPAML, P-P-A-M-L, I believe it was  
19 Probabilistic Programming for Advancing Machine  
20 Learning. And it was a more academic and  
21 collaborative program than most DARPA programs.

22 The idea was to have a lively academic  
23 and industrial research community developing these  
24 languages. And as such, the first few years at

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1 Gamalon, including most of the time that I was  
2 there, involved sort of open-ended academic flavor  
3 research into developing and extending these  
4 languages.

5 Near the end of my time there, there  
6 were some people working more directly on  
7 applications of those languages, but that wasn't  
8 the main focus of my work.

9 Q. When you say "developing languages,"  
10 what do you mean?

11 A. I mean, languages in the sense of  
12 programming languages. So think of something like  
13 Python or Julia or C++, but extended by the  
14 ability to work with probability distributions and  
15 to generate samples and be an effective component  
16 of building a probabilistic machine learning  
17 system.

18 Q. Just going back to Analog Devices and  
19 Lyric Labs, was your primary focus also  
20 development of languages there?

21 A. Yes, in the same sense at Gamalon, but I  
22 wouldn't say that my personal work was purely to  
23 develop languages. As I mentioned, a lot of it  
24 was academic research related to those languages,

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1 including computability, complexity theory,  
2 probability and statistics questions that have  
3 substantial impact on the design of those  
4 languages, but all of that in addition to the  
5 design of the languages themselves.

6 Q. Okay. Is it fair to say that most of  
7 your work in those -- at those two places on your  
8 CV involved either development of a language or  
9 the primary research that would be necessary or  
10 helpful in the development of a language; is that  
11 a fair summarization?

12 A. Yeah, that's fair.

13 Q. You then became associated with Remine  
14 and eventually the chief scientist. Can you talk  
15 a little bit about that?

16 A. Sure. So I began as a contractor, in  
17 fact, all of my work was through Borelian  
18 Corporation as a contractor, not direct  
19 employment. And so I began by consulting when it  
20 was a very small team, maybe three or four people  
21 that were interested in building out their data  
22 analytics team, their data science team, and also  
23 in examining some of their initial datasets.

24 And I proceeded through the growth of

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1 the company to -- I don't know the exact number of  
2 employees at the end, but it was several dozen  
3 people that were writing software, let alone on  
4 their sales team, including building the first few  
5 members of the data science team, and developing  
6 data cleaning and merging techniques for the  
7 datasets that they were using, data analytics  
8 models for predicted analytics behind their  
9 products, evaluating datasets and a number of  
10 related activities.

11 Q. Okay. And you may not have said it, but  
12 what -- what was Remine, what product or products  
13 was Remine selling or planning to sell?

14 A. Yeah, they had a number of products, but  
15 all generally in the space or real estate or  
16 mortgage data analytics. And as such, the  
17 datasets involved both data on individuals in the  
18 U.S., one record per adult roughly; and also  
19 records on residential properties, roughly one per  
20 condo or house.

21 Q. Okay. And what was your understanding  
22 of the source of those records or the sources?

23 A. They came from a number of different  
24 companies and, in fact, one important part of the

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1 role involved evaluating datasets from new  
2 corporate sources.

3 Each of those would involve some sort of  
4 licensing contract and we would often be given  
5 sample datasets or we could ask for specific kinds  
6 of samples to evaluate in the course of figuring  
7 out whether it was high-quality data, whether it  
8 could be usefully merged with the datasets that we  
9 already had, whether it was useful supplement or  
10 replacement and so on.

11 I don't remember many of the exact  
12 company names. A lot of them are data providers  
13 specific to the industry.

14 Q. Okay. Is it fair to say that one of the  
15 main challenges, if not the main challenge, at  
16 Remine was to get different pools of data from  
17 different sources to work together in one sort of  
18 seamless environment?

19 A. That was one of the challenges among  
20 several, yes.

21 Q. What were some of the other main  
22 challenges?

23 A. Some of the other challenges involved  
24 cleaning such data once it was merged or perhaps

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1 before it was merged, analyzing it for building  
2 machine learning models for predictive analytics,  
3 and also designing and building and testing and  
4 evaluating such models based on the data.

5 Q. Okay. And what was -- in terms of the  
6 predictive analytics, I think you said?

7 A. Mm-hmm.

8 Q. What was the -- what was trying to be  
9 predictive?

10 A. There were a number of things, but one  
11 of the main ones was trying to identify when a  
12 given property that wasn't yet on the market was  
13 more likely than others to go on the market.

14 One of the main customers that they  
15 targeted was individual real estate agents who  
16 they hoped would find the product helpful as a  
17 real estate agent for finding leads.

18 Q. Okay. So -- and I'm not trying to get  
19 into proprietary aspects of this, but was it the  
20 understanding that there are things in the data  
21 that might signal that someone is contemplating  
22 sale or might eventually soon sell their house?

23 A. Ideally there would be signals in the  
24 data, yes.

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1 Q. Was one of the things you did was  
2 research or analyze to identify those signals or  
3 had somebody else already identified them?

4 A. No, the former. I was involved in  
5 identifying signals and figuring out to the extent  
6 that was possible and building such models.

7 Q. How did you identify those signals; what  
8 method did you use?

9 MR. LYNE: Again, don't disclose any  
10 trade secrets or proprietary information, but feel  
11 free to answer generally.

12 A. Yeah, a number of machine learning  
13 models. I mean, yeah, I would say a range of, at  
14 the time, standard and established machine  
15 learning models for identifying and distilling  
16 down such signals.

17 BY MR. RONA:

18 Q. Could you explain in, I would say, lay  
19 terms what machine learning is?

20 A. There's many definitions and probably  
21 many reasonable people would disagree about the  
22 details, but I guess one possible definition  
23 involves automated or semi-automated computing  
24 methods for identifying patterns in data, for

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1 building classifiers, for building predictive  
2 models.

3           There's a number of different shapes of  
4 the kinds of objects that people use, but  
5 generally, data in and some sort of computing  
6 model out.

7           Q.    So is there a step between the data in  
8 and the models that come out where somebody, such  
9 as yourself, would look at various outputs and  
10 then feedback new variables or analytical models  
11 into the process?

12           A.    That really depends on the type of  
13 technique. One aspects of what you described is  
14 what's called "active learning," where there's  
15 feedback, by a human typically, as the model  
16 itself evolves.

17           There's also the more general way in  
18 which there's a feedback loop between the human  
19 data scientist or machine learning engineer and  
20 the building of the model, which is more akin to  
21 the standard way in which any number of science or  
22 engineering methods, one evaluates the efficacy of  
23 the techniques and refines it.

24           Q.    In the more general form, how is the



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1 output evaluated and then fed back into the  
2 system?

3 A. It depends a lot on the technique and  
4 the application. Not sure what I can --

5 Q. Okay. Is it fully automated or are  
6 there still human elements to it?

7 A. It all depends. There's instances where  
8 people do it fully automated. There's instances  
9 where there's a lot of human feedback. A wide  
10 range depending.

11 Q. At Remine, where would you say most of  
12 your work was in that range; were you trying to  
13 develop fully automated systems or was there some  
14 preliminary work that you were doing that required  
15 your analysis and feeding that back in?

16 A. I would say it was a range involving  
17 both. Ultimately, we wanted to have models that  
18 would have been able to run in an automated,  
19 reliable way especially because the datasets were  
20 frequently updated, but the development process  
21 involved a lot of human feedback in part because  
22 of nature of the feeds and in part to be confident  
23 about the results.

24 Q. And you mentioned that you were looking

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1 for high-quality data. Did you ever come across  
2 or evaluate data that, in your judgment, was not  
3 high quality, and therefore, shouldn't be used by  
4 Remine?

5 A. There were instances of data that we  
6 ended up not purchasing. I'm not sure that any of  
7 it was so bad that it wouldn't have been useful if  
8 there weren't something better on the market.

9 But it all had a range of quality  
10 varying on the field also, and so the decision of  
11 what was actually useful was a complicated one in  
12 the context of what other data was available.

13 Q. I see. And what were the factors, again  
14 not necessarily revealing anything proprietary,  
15 but just sort of focusing on high-level aspect,  
16 but what were the factors that would drive an  
17 understanding whether data at Remine was high  
18 quality?

19 A. One important factor involved the use of  
20 what you might call "semi-canonical IDs." The  
21 idea is that, just as most adults in the U.S. have  
22 a Social Security number, there's also a kind of  
23 property ID that applies to residences. There's  
24 also what are called FIPS codes, F-I-P-S, that

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1 refer to geographic regions.

2 And all of these have some sort of  
3 standard for them, but they're often imperfectly  
4 implemented in any particular dataset.

5 Sometimes there are errors or missing  
6 data. Sometimes the format varies slightly  
7 between data providers, and reconciling this was  
8 often a challenge and an important aspect to get  
9 right.

10 Q. Okay.

11 A. Another important aspect involved the  
12 way when a dataset was updated, let's say the new  
13 month's version, how easily that could be overlaid  
14 and joined with the previous month's version, or  
15 maybe how easily one could see how it differed  
16 from the previous month's version.

17 Some data providers made that process  
18 quite easy. Others, it was an interesting  
19 inference problem in itself, even apart from  
20 merging it with data from other providers.

21 Q. Okay. Earlier you mentioned "data  
22 cleaning." what is data cleaning?

23 A. Generally speaking, data cleaning is a  
24 process of taking either a full dataset or perhaps

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1 a particular column, particular field in the  
2 dataset and changing the values in a way that make  
3 it more usable for certain purposes.

4 It might involve something like taking  
5 multiple spaces that are consecutive and replacing  
6 it by a single space because the number spaces is  
7 not particularly meaningful. It might involve  
8 converting everything to lowercase or to  
9 uppercase.

10 There's a number of other standard  
11 transformations but the idea is that by cleaning  
12 the data, you can often have better quality on  
13 subsequent steps like merging or any number of  
14 other operations without reducing much, if any, of  
15 the signal of the original.

16 Q. Okay. Was one of the problems when data  
17 would be updated that essentially, you'd have to  
18 overwrite clean data with unclean data?

19 A. That might have been a problem  
20 sometimes. That's not the main thing I was  
21 describing, though. It was more an issue of  
22 matching one month's dataset to another or  
23 matching one dataset to another.

24 But in principle, what you described

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1 could be an issue if you had clean data and then  
2 you had newer, but less-clean data, if it differed  
3 on some fields, sure, that could be a challenge.

4 Q. You said it was important for you to try  
5 to get it right. At Remine, what was your  
6 understanding of the reasons you had to get it  
7 right?

8 A. I would say there were two broadly. One  
9 involved using the data as input to the models  
10 like the predicted analytics model that we  
11 discussed.

12 Another key reason is to the extent the  
13 data was going to be shown directly to the users,  
14 for example, a real estate agent might see the  
15 clean or merged version of the data on properties,  
16 and that has a different requirement, obviously,  
17 from what's used in a model.

18 Q. Okay. So the first reason was because  
19 Remine wanted to make sure that it was using  
20 accurate data as much as possible so that it could  
21 develop to the fullest extent possibly a good  
22 product; is that a fair summarization?

23 A. I would say yes to the product part.  
24 The accuracy is subtler. It's a matter of

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1 interpretation. Replacing two spaces by one makes  
2 the data more or less accurate.

3 In some cases, it might. In some cases,  
4 it could improve the quality of the model even if  
5 one considers them equally accurate.

6 Q. Let me ask the question without using  
7 the word "accuracy."

8 was the goal to have data that was as  
9 usable as possible to enhance the value of  
10 products that Remine was selling?

11 A. That seems fair with the standard caveat  
12 that there's not necessarily a single metric for  
13 usability. There's often tradeoffs involved.  
14 Improving one aspect might involve the tradeoff  
15 with another aspect that you care about.

16 Q. That process of looking at tradeoffs,  
17 that's something you spent a lot of your time  
18 looking at; is that fair to say?

19 A. Yeah, that's fair to say. Examining  
20 these tradeoffs is key in essentially any large  
21 scale data cleaning and merging task.

22 Q. In assessing the tradeoffs, did you use  
23 math as a way of sort of ranking options or  
24 outcomes?

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1 A. Yeah, there are mathematical and  
2 statistical things involved, yes.

3 Q. And then the other goal was that the  
4 data that you're going to show to your users,  
5 that's the product; is that correct? That's the  
6 product that Remine was selling?

7 A. That's part of the product. I think  
8 it's also fair to say that the predictive  
9 analytics models built with the data are  
10 themselves part of the product as well.

11 Q. Okay. But it was important that the  
12 data that customers can see be -- now I'm going to  
13 use the word "accurate," so that customers are not  
14 annoyed that they're seeing inaccurate or outdated  
15 information; is that correct?

16 A. Yeah, that seems fair.

17 Q. Okay. Did any of your customers include  
18 banks -- Remine's customers include banks?

19 A. Not that I recall. The question of  
20 customer is a bit complicated because, to my  
21 recollection, the service contracts were typically  
22 with MLSSs, the local organizations of the real  
23 estate agents with an ability to upsell individual  
24 real estate agents apart from that contract.

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1 And also there were a number of  
2 different products being developed, and so I  
3 couldn't say with certainty that no bank was a  
4 customer but not the ones that I interacted with  
5 chiefly.

6 Q. Okay. And with respect to the work that  
7 you were doing, did you ever assess or take any  
8 views on whether this would have impacts on  
9 homeowners; meaning, was the work that you were  
10 doing really only targeted at real estate agents  
11 or was there some flow through to specific  
12 homeowners as well that you identified?

13 A. There are, of course, indirect  
14 applications or indirect effects on homeowners of  
15 the main product we're discussing. I believe  
16 there were also discussions about products that  
17 might more directly target homeowners who are  
18 interested, for example, in selling.

19 Q. Okay.

20 A. So the main product we were discussing  
21 was targeted at real estate agents, but I believe  
22 there were some movements toward products that  
23 were more focused at the homeowners directly.

24 Q. Okay. And then your -- what was the



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1 reason that you stopped working with Remine?

2 A. Eventually, as the data science team had  
3 grown to a sufficient size, they decided that they  
4 wanted to have that more in-house in the D.C. area  
5 rather than with a more external contractor, like  
6 I was.

7 I helped them grow to a certain size and  
8 at that point, they wanted to run things from the  
9 D.C. office directly.

10 Q. Was it at that point that there was an  
11 issue about your compensation?

12 A. No, it was a while later because the  
13 termination was falling into a clause under which  
14 they continued to owe me the -- not formally  
15 options, but something like that.

16 There was some window in which they were  
17 supposed to pay and they didn't and there was a  
18 dispute about the amount.

19 Q. Okay. All right. So let's turn to this  
20 case. We'll come back to some of the academic  
21 topics maybe along the way.

22 But prior to being contacted by  
23 Murphy & King, had you had any awareness or  
24 knowledge about the TelexFree bankruptcy?

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1 A. Not that I recall.

2 Q. Okay. Had you ever been aware of or  
3 known people who were involved with TelexFree  
4 prior to bankruptcy?

5 A. No.

6 Q. Okay. So what was your -- through your  
7 initial contact with Murphy & King, what was your  
8 understanding of your assignment in this case?

9 A. Initially, it was to evaluate the data  
10 and give a sense of what might be possible broadly  
11 in terms of developing an aggregation methodology,  
12 what sort of accuracy might be achievable and  
13 things of that sort.

14 And eventually, to design and build and  
15 implement such an aggregation methodology, and  
16 then to write an expert report and participate in  
17 necessary court proceedings associated with it.

18 Q. I'm going to mark your report. You can  
19 put aside Exhibit 1. If that -- I think you can  
20 close out of that. Let me see if I can get you to  
21 Exhibit 2.

22 (Marked Exhibit 2)

23 BY MR. RONA:

24 Q. Okay. I've marked what will be

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1 Exhibit 2. Let me know when you have that in  
2 front of you.

3 A. I do.

4 MR. LYNE: Ilyas, I have a paper copy.  
5 When you're examining him, he can read it instead  
6 of reading it on the screen.

7 MR. RONA: I think that's fine. To the  
8 extent there are page numbers, I think that's  
9 fine. There are a couple of pages that don't have  
10 page numbers. We'll have to work through that,  
11 but that's fine.

12 I guess, first, the witness has to look  
13 at what's on the screen and see if he can identify  
14 what that is and if that's his expert report in  
15 this case.

16 Q. Dr. Freer, before you look at the hard  
17 copy, could you just look at what's been marked on  
18 the computer as Exhibit 2 and tell me if this is  
19 your expert report in this case.

20 A. It generally looks like it. I'm just  
21 flipping to the end to make sure it's complete.  
22 How many pages for the --

23 MR. LYNE: Seventy-eight.

24 THE WITNESS: That's not numbered. Four

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1 are not numbered. Eighty-two, 78, and then one.

2 MR. LYNE: And then CV, 15 pages.

3 THE WITNESS: Fifteen pages. Exhibit 3.

4 MR. LYNE: Exhibit 3 is your  
5 spreadsheet.

6 THE WITNESS: Nine pages.

7 MR. LYNE: One, two, three, four, eight,  
8 ten.

9 THE WITNESS: Ten. Yeah, ten, one of  
10 five, yeah. And then the two -- two pages. And  
11 then one, the next one and then two placeholders.

12 A. Yeah, I believe that's correct.

13 BY MR. RONA:

14 Q. Okay. If you want to look at the hard  
15 copy, you can. My first question is going to be  
16 on page 2, paragraph 7, if you could get that in  
17 front of you.

18 A. I see it.

19 Q. Does paragraph 7, and I guess paragraph  
20 8, does that fairly and completely summarize the  
21 scope of your engagement?

22 A. Yes.

23 Q. Okay. If you could turn to page 5, you  
24 have a Section G, summary of your opinion,

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1 paragraphs 16 and 17.

2 A. Yes.

3 Q. There were discussions about net winners  
4 and net losers. First of all, what is, to your  
5 understanding, a net winner?

6 A. Yeah, so I defined it precisely, I  
7 believe, on the previous page or on page 2.

8 So a net winner is a participant who  
9 received more money than they had paid into the  
10 scheme. A net loser is a person who contributed  
11 more into the scheme than was paid out.

12 And then in my footnote, for simplicity  
13 in this report, I considered net losers to also be  
14 those who broke even at zero. It's a small  
15 number, but it makes the analysis easier to  
16 discuss.

17 Q. Do you have any opinions about who is a  
18 net winner in TelexFree?

19 A. By "opinion," do you include my analysis  
20 in the report?

21 Q. Well, I guess my question is: Does your  
22 opinion cover the extent to which any person is a  
23 net winner?

24 A. Does my opinion -- I mean, to the extent

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1 that paragraph 16 asserts who the net winners and  
2 net losers are, yes. I'm not sure what you're  
3 getting at.

4 Q. Do your opinions indicate which  
5 TelexFree participants were net winners and which  
6 were net losers?

7 A. Oh, I see. Not in the summary, I  
8 suppose. It's in the "Conclusion" section. Yeah,  
9 so step 10, paragraph 208 on page 72 describes how  
10 the net winners, the net losers are computed.

11 And then Exhibit 6 shows the assignment  
12 of each, that's the output of the aggregation  
13 methodology showing the assignment of each account  
14 to a cluster.

15 And then Exhibit 7, the summary, shows  
16 the aggregate amount by adding up that net equity  
17 quantity through the cluster.

18 And then according to that definition,  
19 those for which that number is positive are net  
20 winners, and those for which that number is  
21 negative or zero are net losers. It is part of  
22 the opinion but not part of that summary paragraph  
23 because then it would be quite long.

24 Q. I apologize, which page were you

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1 referring us to first?

2 A. The --

3 MR. LYNE: Seventy-two.

4 A. Seventy-two, yeah, page 72, step 10  
5 describes how I determined the net winners and net  
6 losers and the "Results" paragraph summarizes it  
7 again. And paragraph 210 points to the two  
8 exhibits that I was describing.

9 BY MR. RONA:

10 Q. I guess my question is: In your  
11 assessment, you talked about aggregation and then  
12 in your most recent answer, you indicated that you  
13 have identified, in tabular form, net winners.

14 So my question is: To what extent do  
15 your opinions cover the topic of which TelexFree  
16 participants were or were not net winners?

17 A. The opinion covers it. I don't know  
18 what you mean by "to what extent."

19 Q. It covers it.

20 And what is the source for the  
21 information that would allow you to calculate  
22 whether someone is a net winner or not?

23 A. So as I described in that step 10, and I  
24 believe elsewhere in the report, the net equity

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1 per cluster is simply defined to be the sum of the  
2 net equity for every account in that cluster.

3 Q. who calculated -- sorry, continue your  
4 answer.

5 A. The net equity per account, I describe  
6 how that was taken from a table that Huron  
7 provided from something that Huron Consulting  
8 Group calculated.

9 The technique is entirely modular. If  
10 you change those numbers, the aggravation stays  
11 identical and you simply add up different numbers  
12 at the end.

13 Q. You yourself did not make any  
14 calculations as to net equity?

15 A. I did not make calculations as to net  
16 equity per account. I did calculate the net  
17 equity per cluster simply by adding those numbers.

18 Q. And by adding net equity per cluster of  
19 that -- those, the resulting number, that is part  
20 of your opinion in this case?

21 A. Yes, the opinion includes that  
22 number itself in that exhibit, and also the  
23 assertion that, according to the definition I  
24 provided, when that number is positive, that is a



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1 net winner, and when that number is less or equal  
2 to zero, that is a net loser.

3 Q. Did you do any separate work in terms of  
4 calculating that equity other than the  
5 calculations that Huron made?

6 A. No, I have a rough sense of how they did  
7 it, but did not go in detail or reproduce that or  
8 compute any alternative method myself.

9 Q. Have you adopted the Huron calculations  
10 of net equity?

11 A. No, I'm simply using their numbers. If  
12 you provide any other numbers, I would easily add  
13 those up. It's entirely modular with regard to  
14 how they produced those numbers.

15 Summarized on page 43, the figure shown  
16 after paragraph 120, so if you look at step 10  
17 near the bottom, the net\_equity field from  
18 rep\_ID\_summary, that's where the net equity  
19 numbers from Huron come into play; which is not to  
20 say their methodology or calculation, but simply  
21 the final output from there comes in and is simply  
22 added.

23 If you provide any other numbers there,  
24 the aggregation, not just the methodology, but the

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1 output of the aggregation remains identical and  
2 you simply add up other numbers there.

3 Q. But in order to determine who the net  
4 winner -- aren't you relying on the calculations  
5 that Huron made?

6 A. No. As I just said, I'm relying on the  
7 number, not the calculation.

8 Q. Well, okay, but the -- my point is that  
9 a net winner would have his or her net equity  
10 represented as a positive number; is that right?

11 A. Yeah, the net equity for the cluster.

12 Q. Okay. For the cluster. And a net loser  
13 would have their number represented by a negative  
14 number or zero; is that right?

15 A. Correct.

16 Q. Okay. And in order to determine whether  
17 it's a negative number or positive number, are you  
18 relying on Huron's calculation?

19 A. No. As I just said, I'm relying on  
20 their number, not their calculations. Any  
21 calculations that produces identical numbers would  
22 yield identical results for me.

23 Q. Okay. I'm a little bit stuck here. Let  
24 me try my question again. So in order to

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1 determine whether a cluster is deemed a net  
2 winner, you have to know whether the sum of the  
3 net equity calculations for each account is  
4 positive or not; is that correct?

5 A. Correct.

6 Q. Okay. And in order to know whether it's  
7 positive or not, there needs to be -- for each  
8 account, there has to appear a number that  
9 represents the net equity; is that correct?

10 A. Correct.

11 Q. Okay. And you did not supply those  
12 numbers; is that right?

13 A. Correct.

14 Q. Okay. Huron supplied those numbers?

15 A. Correct.

16 Q. Okay. So in order to say that any  
17 particular cluster represents a net winner or not,  
18 you have to use -- in your case, your starting  
19 point is you used the numbers that Huron provided  
20 you?

21 A. I wouldn't say "starting point." It's  
22 merely the last step, as indicated in the figure.

23 Q. What I mean is that you're saying that  
24 things could change, but in the list of net

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1 winners that you've provided, that list is based  
2 on the numbers that Huron provided; is that right?

3 A. Correct.

4 Q. Okay. And so if somebody came forward  
5 and said the numbers are -- need to be changed and  
6 a positive number is changed to a negative number,  
7 that person would cease to be a net winner; is  
8 that right?

9 A. As defined by the new number, sure.

10 Q. Okay. So your segregation of people  
11 into net winners and net losers, doesn't rely on  
12 calculation of net equity for each account that  
13 Huron made?

14 A. I didn't actually segregate them. As I  
15 described, I sum up the numbers and I include that  
16 in the table. According to the definition that I  
17 provided, the ones for which that number is  
18 positive are net winners, and that's what's  
19 included in the summary, and so on with net  
20 losers.

21 There's no segregation. There's no  
22 list. If you provide different numbers, you get  
23 different numbers back. And then according to the  
24 definition, the ones that are positive are net

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1 winners, and the ones that are negative or zero  
2 are the net losers.

3 Q. Does your Exhibit 7 list the people you  
4 say are net winners?

5 A. I believe it lists every cluster once.

6 Q. Every cluster is listed in your  
7 aggregation summary whether it's positive or  
8 negative?

9 A. Right. I believe it has two columns.  
10 One has the cluster ID, the other has the dollar  
11 amount of the sum net equity for its cluster.

12 Q. Is it correct then that you're not  
13 offering any opinions as to which cluster in your  
14 Exhibit 7 is or should be a net winner and which  
15 clusters are not or should not be net winners?

16 A. That's false. I am, as I described in  
17 the summary and in the conclusion, I -- and in the  
18 tables summarizing it, that I'm just saying I  
19 didn't segregate them.

20 Q. Okay. Well, if I ask the question  
21 without using the word "segregate," but you are  
22 discerning between net winners and net losers  
23 based on the resulting figure that your cluster  
24 produced; is that correct?

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1 A. Yes.

2 Q. That resulting figure is based on  
3 calculations that you didn't make, but rather  
4 Huron made; is that correct?

5 A. It's based on both. I'm the one that  
6 added the numbers.

7 Q. But the source of those numbers was  
8 Huron?

9 A. The input numbers that I added were from  
10 Huron, correct.

11 Q. Did you form any opinions as to whether  
12 the numbers that Huron provided you for each  
13 account, whether those were correct or  
14 appropriate?

15 A. Not in detail. It seemed broadly  
16 consistent with my understanding of the case and I  
17 didn't see anything that seemed amiss, but I  
18 didn't investigate enough to tell. Furthermore,  
19 because of how it's used as input in that final  
20 step, any other numbers that were provided could  
21 work equally well.

22 Q. Okay.

23 MR. LYNE: Ilyas, time for a break?  
24 We've been going one hour.

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1 MR. RONA: Can I finish up this line of  
2 thinking before I lose it?

3 MR. LYNE: Okay.

4 BY MR. RONA:

5 Q. To what extent did you attempt to  
6 calculate any transactions in terms of actual  
7 dollars; did you attempt to do that at all?

8 A. What do you mean by "calculate" a  
9 transaction?

10 Q. Well, you had said that you reviewed  
11 Huron's -- the calculation per account, and it  
12 seemed generally, I think you said "reasonable."  
13 I'm not trying to put words in your mouth, but I  
14 think you said it looked generally appropriate.

15 So my question is: To what extent did  
16 you attempt to make any calculations about  
17 transactions associated with accounts that were  
18 based on dollars?

19 A. None myself. When I say that I found it  
20 generally reasonable, I mean from having read the  
21 Martin expert report and, you know, what I saw in  
22 the materials that were provided to me from Huron,  
23 but I didn't myself attempt to calculate it. I  
24 just mean that nothing seemed amiss in what I

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1 read. It seemed essentially sensible.

2 MR. RONA: This is a good time for a  
3 break.

4 MR. LYNE: Okay.

5 (Whereupon, a recess was taken.)

6 MR. RONA: Back on at 11:22.

7 Q. So, Dr. Freer, at times in your report  
8 you use the word "entity"; is that right?

9 A. Yes.

10 Q. Okay. What is an entity?

11 A. It has a technical term. I can find  
12 where I describe it. It involves multiple  
13 different kinds of accounts that appear in the  
14 database. Paragraph 3 on page 1, I guess it  
15 doesn't use the word entity there, but if you look  
16 at the -- that's the circumstance in question.

17 And if you look at the figure I pointed  
18 to earlier, summarizing the method on page 43, so  
19 "entity" is the field used from the rep\_ID\_summary  
20 table to filter the approximately 17 million  
21 accounts down to the approximately 11 million  
22 accounts that are relevant for this case.

23 Q. Okay. So what -- I'm trying to  
24 understand, what does an entity represent -- or



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1 what does it consist of, is maybe the better  
2 question. What does an entity consist of?

3 A. It's a field in the table that Huron  
4 provided which indicates for each account, whether  
5 it was determined to be TelexFree, meaning  
6 relevant to this case; or Ympactus,  
7 Y-M-P-A-C-T-U-S, which was a related scheme in  
8 Brazil; or hybrid, meaning a hybrid of the two.

9 And my instructions were to apply the  
10 aggregation methodology that I developed to the  
11 set of accounts that were deemed TelexFree.

12 Q. Okay. To identify clusters of accounts  
13 that pertain, according to your instruction, to  
14 TelexFree participants?

15 A. Correct.

16 Q. Okay. But is what you're clustering, is  
17 a cluster the same as an entity?

18 A. Not in that sense, no.

19 Q. Okay. Well, I'm going to try to find  
20 where you use "entity" in your report. Give me a  
21 second.

22 So is "entity" in your report referring  
23 to the corporate -- the corporate relationship?

24 A. Not in that sentence. Is there a

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1 specific part where I use the word "entity" that I  
2 should look at?

3 Q. Let's look back at page 43, when you  
4 were talking about the going from 17 million user  
5 accounts to 11 million user accounts, and it says,  
6 "Summary Table (rep\_id\_summary)," and above that  
7 arrow it says "entity."

8 A. Yes, that's what I just described. That  
9 is the name of the field in the rep ID summary  
10 table, which indicates essentially what kind of  
11 entity that account is. Is a TelexFree, a hybrid  
12 or an Ympactus account. I don't know exactly why  
13 the word "entity" was chosen by Huron, but I  
14 interpret it as the kind of entity of that  
15 account.

16 Q. Entity was something determined by  
17 Huron.

18 A. Correct.

19 Q. Your understanding in that context is  
20 entity is referring to some form of, if not a  
21 corporate entity, but an organizational entity?

22 A. No. As I just said, it refers to -- I  
23 interpret the name of the field as saying what  
24 kind of thing is that account, where "thing" here

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1 does not mean corporate or not, but means which of  
2 the schemes was it in.

3 Q. Okay. Meaning is the accounts that  
4 relate to TelexFree versus the accounts that  
5 relate to Ympactus, are those accounts related to  
6 separate entities?

7 A. I don't understand what you're asking.

8 Q. Again, I'm trying to understand what the  
9 meaning of the word "entity" is. That's all.

10 A. My -- the goal was to determine whether  
11 the account participated in the Brazilian Ympactus  
12 scheme or the main TelexFree scheme or both.

13 And my understanding is that the way  
14 that Huron did it involved looking at the  
15 associated transactions and determining the  
16 currency, and roughly speaking, U.S. dollars  
17 versus Brazilian Real currency and having  
18 determined that for the transactions associated  
19 with a given account, they made a determination  
20 about whether that account was TelexFree scheme,  
21 Ympactus scheme, or a hybrid.

22 Q. Okay.

23 A. My instruction was to consider only  
24 those accounts that were TelexFree. It's also

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1 missing -- that field is missing for approximately  
2 2 million records because if there were no  
3 invoices paid, they wouldn't know any currency.

4 And Huron determined that for those they  
5 couldn't make a determination about whether it was  
6 TelexFree, Ympactus, or hybrid, but also it didn't  
7 matter because there were no invoices paid and the  
8 net equity was zero.

9 Q. Did you yourself look at any of those  
10 accounts or attempt to analyze any of those  
11 accounts that did not have a paid invoice  
12 associated with them?

13 A. I looked at them in the sense that I saw  
14 them in the database.

15 Q. Okay.

16 A. I don't know what you mean by "analyze"  
17 them.

18 Q. Well, did you perform any analysis on  
19 the data relating to those accounts?

20 A. Some of the general investigations into  
21 the data quality, I happened to perform on the  
22 full database of approximately 17 million records  
23 before the determination that I should focus on  
24 the approximately 11 million attribute to

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1 TelexFree. Everything in the report describes  
2 just that 11 million subset.

3 Q. And you say "determination," who made  
4 that determination?

5 A. Murphy & King instructed me to focus on  
6 those accounts that were associated with  
7 TelexFree.

8 Q. Okay. Is it fair to say that you don't  
9 offer any opinions about anything that -- any  
10 information contained in the several million  
11 accounts for which there's no paid invoice; is  
12 that correct?

13 A. I don't offer an opinion in the written  
14 report. I did look at the data enough to have a  
15 sense that it was generally of similar quality.  
16 You know, modulo sum differences that would often  
17 be expected between Brazilian accounts and those  
18 in the rest of the world or in the U.S.

19 Q. So that data, your assessment was just  
20 based on -- some examination of it was that it was  
21 of similar quality to the data that you did  
22 analyze?

23 A. Broadly speaking, but the details might  
24 differ to some degree. I don't recall in detail

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1 because, at some point, I focused only on the  
2 approximately 11 million.

3 Q. Okay. So going back to page 43, the  
4 payable or the -- I don't know what you'd call  
5 that, the flow chart, the use of the word "entity"  
6 denotes some relationship to your use of the word  
7 "scheme," is that fair to say, between TelexFree  
8 and Ympactus?

9 A. Only indirectly. The formal meaning of  
10 every word in italics is a name of a table or the  
11 name of a column. "Rep\_id\_summary" and  
12 "representante" are the names of the tables  
13 provided to me by Huron.

14 "Entity, rep\_id, net\_equity," I believe  
15 that's all. Those other words are the names of  
16 columns. It's in quotes referring to a column  
17 name. And then, as I described, that column name  
18 contains data pertaining to the schemes.

19 Q. That's helpful. Generally if it's in  
20 italics, what you're referring to is a data field  
21 or column as supplied to you by Huron?

22 A. Or table name. So as I said, rep\_id,  
23 entity, and net\_equity are the names of columns,  
24 and representante and rep\_id\_summary are the names

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1 of table. Also the representante table was  
2 provided to me by Huron, but without modification  
3 by them.

4 It was their extraction from the  
5 database whereas rep\_ID\_summary was actually  
6 produced by them and the entity and the equity  
7 field, Huron themselves calculated. Whereas  
8 rep\_ID and the other 43, I believe, fields in  
9 representante are from the database and simply  
10 provided to me by Huron.

11 Q. So did you receive what could be  
12 characterized as the raw data that was not  
13 modified by Huron?

14 A. For the representante table and the  
15 other three tables, I described, yes, as far as I  
16 understand. They did not modify it.

17 They -- I believe they were the ones  
18 that did the extraction from the database, and  
19 there's some chain of custody involving Homeland  
20 Security that's, I believe, described in the  
21 Martin report. I don't know the details of that  
22 other than what I've read.

23 Q. Okay. So you -- is your understanding  
24 that you received unmodified by Huron, data for

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1 four tables and then you also received Huron's  
2 modifications; is that correct?

3 A. Well, not --

4 MR. LYNE: Objection as to form.

5 A. No, I wouldn't say that they modified  
6 any data. Rather, they produced additional  
7 columns; namely, the two that we were discussing,  
8 net equity and entity in the course of their  
9 analysis, but that's augmenting the data, not  
10 modifying anything in it.

11 BY MR. RONA:

12 Q. You received, in addition to what you  
13 understood to be the raw data for those four  
14 tables, you also received augmented data  
15 containing additional fields that had been  
16 populated by Huron?

17 A. Correct.

18 Q. Did you select those four tables or did  
19 someone else determine that those were four tables  
20 that you needed to look at?

21 A. I would say both. Those were four  
22 tables that were provided to me by Huron. I also  
23 had the sense from Murphy & King that those were  
24 the correct tables to be looking at for my



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1 analysis.

2 And furthermore, my sense from reading  
3 about the case and seeing the materials that I was  
4 given, my sense was that these were appropriate  
5 datasets to be looking at.

6 Q. Okay. Do you know how many -- in terms  
7 of the raw data, do you know how many tables there  
8 were?

9 A. There were where?

10 Q. Meaning four -- the totality of the data  
11 that pertains to TelexFree is more than four  
12 tables; is that correct?

13 A. I don't recall whether the other  
14 information was organized in tables, but yes, I do  
15 believe that there was some information seized by  
16 Homeland Security beyond those four tables.

17 Q. Did you ever ask to see any of that  
18 other data?

19 A. Yes, so Huron provided the virtual  
20 machines that I used to both verify that the four  
21 tables seemed to have been plausibly exported  
22 reasonably. Nothing seemed amiss.

23 I saw that there was other data that  
24 seemed even less relevant. Already three of those

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1 four tables were not particularly relevant to my  
2 aggregation. And then there was also things like  
3 source code that were -- that was used on the  
4 servers that were seized.

5 Q. So in terms of your -- back to 43, your  
6 results where you talk about clusters, what does a  
7 cluster represent?

8 A. A cluster is formally a collection of  
9 accounts that is not empty, there's at least one  
10 account and -- sorry, I should back up. There are  
11 clusterings of account groupings and there are  
12 clusterings of user accounts.

13 Ultimately, we're interested in the  
14 clustering of user accounts, but a clustering of  
15 records of any sort, whether it's an account or an  
16 account grouping, a clustering is a partition of  
17 the set of records; meaning it is a -- sorry, a  
18 clustering is a partition. It consists of  
19 clusters.

20 Each cluster contains one or more  
21 records such that that cluster is disjoint from,  
22 has an intersection with every other cluster in  
23 the clustering, and such that their union is the  
24 entire set of records; meaning that every record

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1 appears in one, and exactly one, cluster in the  
2 clustering.

3           There's a bunch of different terminology  
4 that's used mathematically, but that's what I use  
5 in the report. A clustering is a collection of  
6 clusters whose union is the entire set of records.  
7 In the case of account groupings, each account  
8 grouping appears in exactly one cluster of a  
9 clustering of account groupings. In the case of  
10 user accounts, every user account appears in  
11 exactly one cluster of the clustering.

12           Q.    Okay. And to what extent does your  
13 clustering address the issue of who the actual  
14 user was?

15           A.    What do you mean by "who the actual user  
16 was"?

17           Q.    Meaning by doing your clustering, are  
18 you identifying by, let's say, by legal name who  
19 the user was that input that data?

20           A.    What do you mean by "legal name"?

21           Q.    Well, how does the cluster relate to the  
22 person participating in TelexFree, that's what I  
23 am trying to understand. What's the relationship  
24 between a cluster that you created and a person

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1 who was a user within TelexFree?

2 A. It stands in the same relationship to  
3 the person as each user account does, except that  
4 there's potentially more than one.

5 So my understanding is that persons  
6 whether -- or "participants," as they were called,  
7 whether individuals or corporations, they created  
8 accounts including their information, and in that  
9 sense, a clustering is tied to the person, albeit  
10 for multiple such relationships.

11 Ideally, the cluster consists of all and  
12 only those accounts associated to a particular  
13 participant, though, as in any aggregation  
14 methodology, that won't always hold on the nose.

15 Q. When you cluster a bunch of accounts,  
16 are you saying that you can determine who the  
17 actual person is that's associated with those  
18 accounts?

19 A. What do you mean by "determine who the  
20 actual person is"?

21 Q. Well --

22 A. Like find them somehow?

23 Q. Are you identifying who the actual  
24 person is?

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1 A. Not sure what you mean by "identifying."  
2 what would it mean to not identify someone given  
3 their contact information?

4 Q. What I'm trying to understand in a  
5 real-world sense, does any of your analysis cover  
6 determining the true identities of the actual  
7 participants of TelexFree?

8 A. I did no additional analysis in that  
9 regard insofar as the user accounts already  
10 largely reflect that information, it's contained  
11 there.

12 Q. Okay.

13 A. My understanding is a user account  
14 typically contains such information. I did not do  
15 separate investigatory work to determine beyond  
16 what was in the dataset, if that's what you're  
17 asking.

18 Q. What is the basis for your understanding  
19 that the user-account data generally contained  
20 information that identified a participant?

21 A. The basis is all of the court documents  
22 about the case and the way that it all appeared to  
23 be generally quite reasonable in the course of me  
24 working with it.

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1 I'm not asserting that it always did,  
2 nor is that particularly relevant for my analysis,  
3 but it seemed generally consistent with these  
4 being the actual contact information of the  
5 relevant persons based on the data and the  
6 information in the case.

7 Q. Okay. So as part of your review, did  
8 you ever see a reference that one of the user  
9 accounts, or at least one of the user accounts,  
10 had the name Barack Obama?

11 A. I don't recall encountering that myself  
12 or in the court documents, but it's possible. I  
13 don't recall.

14 Q. Okay. And to the extent that there's an  
15 account in the name of Barack Obama, do you have  
16 any opinions about whether that account has any  
17 relationship to the real-life former President of  
18 the United States, Barack Obama?

19 A. I don't think I have a formal opinion  
20 about it, but obviously, it seems it is possible.  
21 It also may not be the case. Yeah, any particular  
22 case may be more or less likely than others.

23 Q. In the case of Barack Obama, you  
24 wouldn't know either way; is that right?

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1 A. I don't know for sure of any particular  
2 one. Some are more likely than others to not be  
3 an actual person.

4 Q. Are you aware that some user accounts  
5 don't have a person's name, but have some other  
6 entry including what looked like corporate names?

7 A. I was using the word "person" before to  
8 refer to possibly corporate or individual. Do you  
9 mean not individual names?

10 Q. Right. I think you've answered my  
11 question. The name associated with an account  
12 could be the name of a natural person or it could  
13 be a corporation; is that right?

14 A. That is my understanding, yes.

15 Q. Are you aware also of other things that  
16 are not -- don't appear to be a person's legal  
17 name or corporate name, but may be just some other  
18 strings of characters; are you aware of any such  
19 entries?

20 A. Yes, there were a small numbers of  
21 entries that appeared to be strings of characters  
22 that weren't obviously natural persons or  
23 corporation names.

24 Q. Are you offering any opinions about who

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1 the -- in situations where the name field that is  
2 entered doesn't appear to be a person's legal  
3 name, are you offering any opinions about the  
4 identity of the person who entered that data?

5 A. Yes, indirectly in the same sense that  
6 the methodology provides information; for example,  
7 if there were a name that wasn't plausibly a  
8 natural person's name but included enough  
9 distinctive characters, and the other field values  
10 are such that it could be reasonably aggregated  
11 with others, then one might be able, from that  
12 aggregation, to infer an address, which may be  
13 more correct than the name.

14 In that case, that might lead to the  
15 identity. I didn't do any specific investigation,  
16 but implicitly in the aggregation, there's  
17 sometimes information that you would enable you to  
18 identify such a such person, yes.

19 Q. That's not part of your opinion to go  
20 make that final step from what information might  
21 produce that inference to and actually trying to  
22 ascertain who that person is; is that right?

23 A. I'm not sure again what you mean. It  
24 does do that implicitly.



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1 Q. Okay. Let's use -- you're aware that  
2 there's some -- one or more accounts have the name  
3 Mickey Mouse; is that right?

4 A. Yes.

5 Q. Is it your opinion that your analysis  
6 would provide, apart from the name field,  
7 additional information that could lead to an  
8 inference of who the person that entered that data  
9 might be?

10 A. It depends on the circumstance, but it  
11 certainly could happen. I don't recall that  
12 Mickey Mouse -- if, for example, something like  
13 Mickey Mouse had other fields that were accurate,  
14 then sure, that could eventually lead one to  
15 identify the person.

16 Q. By my question is: You're not the  
17 person trying to make that final step and identify  
18 who that person might be in the case of  
19 Mickey Mouse?

20 A. No, I am that person to the extent my  
21 aggregation provides that information. If the  
22 address and phone number and e-mail address  
23 canonically identifies a single person, then I  
24 suppose my analysis has produced that, and hence,

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1 my opinion. I didn't do any additional work  
2 beyond what's implicit in that.

3 Q. what do you mean by "canonically  
4 identified"? You used "semi-canonical" before.  
5 Can you define --

6 A. I suppose I was using canonical in two  
7 slightly different senses. What I meant just now  
8 by "canonical" was if there is one and only one  
9 person that is identified by that information in  
10 the real world in response to those questions.

11 when I said "semi-canonical" earlier,  
12 there's a more technical sense of canonical ID  
13 where whether it's government-issued or in some  
14 other standardized reliable database, you might  
15 have an ID number that essentially every record is  
16 associated with which allows you to join records,  
17 even between different data sources.

18 For example, if you have two different  
19 databases of people that has Social Security  
20 number reliably entered for everyone, and in the  
21 same format, then that might be considered a  
22 canonical ID.

23 when I said "semi-canonical" in the case  
24 of Remine, I was referring to instances where

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1 there is some field like that, whether it's Social  
2 Security number or property ID for real estate  
3 property, but where the format is not as  
4 standardized.

5 U.S. Social Security numbers are all  
6 three digits, dash, two digits, dash, four digits.  
7 It's not as consistent the way that property IDs  
8 are indicated.

9 It might be depending on the county or  
10 depending on the data source, there's different  
11 enough formatting that it becomes a potentially  
12 challenging task to match on that. It's  
13 semi-canonical in the sense that each data  
14 provider is trying to provide some version of  
15 that.

16 Q. With respect to TelexFree, was there any  
17 canonical or semi-canonical data that you were  
18 able to analyze?

19 A. It depends on the circumstance or  
20 setting which you're asking about. The rep ID is  
21 actually canonical within the TelexFree dataset,  
22 but it is not used by any other sources.

23 So that's internal to this dataset, but  
24 it is -- you know, each account has a rep ID. The

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1 rep ID is distinct in value from every other  
2 account; and furthermore, the way that the four  
3 tables interlink with each other and reliably use  
4 that as a database scheme.

5 So that's canonical in that sense, but  
6 it's not canonical in the sense that it helps you  
7 connect to any other data source in the world.  
8 It's not like that's available in any form outside  
9 of these four tables.

10 Q. Okay. Were you able to find any data  
11 that would allow you to ground the data or make  
12 comparisons to real-world data?

13 A. Yes, the 11 fields that I used in the  
14 methodology are that by design. The name field  
15 relates to people's names in the real world  
16 generally. The address fields relates to their  
17 address in the real world, and so on.

18 Q. Did you, either on a sampling basis or  
19 on an aggregate basis, make any effort to either  
20 correlate or cross-reference name field with any  
21 other external database that has people's names?

22 A. External to TelexFree?

23 Q. External to TelexFree.

24 A. No.

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1 Q. Did you make any attempt to correlate or  
2 cross-reference e-mail addresses to an external  
3 database of e-mail addresses?

4 A. Not to an external database of e-mails  
5 addresses, but as I described, I ran various tests  
6 to ascertain the extent to which they were  
7 formatted in a way that's appropriate for e-mail  
8 addresses and have domain names that are  
9 consistent with being e-mail addresses and so on.

10 But that's an aggregate, not taking any  
11 particular e-mail address and confirming it or not  
12 in the real world.

13 Q. Okay. So, for example, you're just  
14 looking up the -- for purposes of this case, you  
15 only looked at whether e-mail addresses were  
16 properly formatted, not whether they were actually  
17 working or at any time actually worked; is that  
18 correct?

19 A. That's correct, except that whether or  
20 not they were properly formatted, they still  
21 potentially contained valuable aggregation  
22 information.

23 So as I described in the data quality  
24 section, there's some aggregate statistics that

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1 allowed me to conclude that the e-mail field was  
2 of the generally high quality that it was, but  
3 having determined that an aggregate, still the  
4 data speaks for itself in the aggregation method.

5 Q. Just as an example, I'm not a member of  
6 Murphy & King, but if I typed in an address with  
7 my first name at Murphy&King.com, that would pass  
8 the test of being properly formatted as far as you  
9 were able to determine; is that correct?

10 A. You're saying if it contains a string  
11 containing normal characters, followed by  
12 ampersand, followed by MurphyKing.com?

13 Q. Yeah, the "at" symbol.

14 A. I believe that would pass the test. As  
15 I described in the report, there's a specific  
16 Internet standard, one of the Internet Engineering  
17 Task Force RFCs that describes -- it's more  
18 involved than just checking those components, but  
19 that's the systematic test that I ran on all the  
20 e-mail addresses.

21 Q. As far as street addresses were  
22 concerned, did you attempt to correlate or  
23 cross-reference those to any external databases?

24 A. Again, no, except in aggregate

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1 confirming that they were of the quality that they  
2 were by running various statistics.

3 Q. You didn't attempt to, on a sampling  
4 base or on an aggregate basis, compare the data  
5 to, for example, the United States Postal  
6 Service's database of mailing addresses?

7 A. Not with the database. With both that  
8 and the e-mail, of course, I'm somewhat familiar  
9 with what e-mail addresses and addresses look  
10 like. In the course of working with the data, I  
11 got generally a sense of, it seemed reasonable  
12 largely, but...

13 Q. Okay.

14 A. But not with a database explicitly.

15 Q. And I apologize, I might be jumping  
16 around from time to time, but I think ultimately  
17 that's going to make this go faster.

18 A. Sure.

19 Q. But I believe you refer to -- in your  
20 report to under-aggregation and over-aggregation;  
21 is that right?

22 A. Yes.

23 Q. Okay. And in -- maybe it will help to  
24 actually find the page with that chart. If you

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1 would bear with me, I'll try to see if I can find  
2 that.

3 what is under-aggregation and what is  
4 over-aggregation?

5 A. You mean over-clustering and  
6 under-clustering?

7 Q. Yes, let's use your terms. what is  
8 under-clustering and over-clustering?

9 A. Yeah, so I use the terms both to refer  
10 to a property of an overall clustering, and also  
11 to refer to a particular cluster within the  
12 clustering.

13 So the idea is, a clustering, you'd say,  
14 roughly that it's over-clustered if records that  
15 don't belong in the same cluster end up being  
16 joined together in the same cluster.

17 And you would say that the clustering is  
18 under-clustered if there's many instances of  
19 records that do belong in the same cluster that  
20 are not in that clustering.

21 Q. Okay. And is it important in this case  
22 to determine the sort of the optimal level of or  
23 degree of clustering such that it's neither  
24 over-clustering or under-clustering?



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1 A. Yeah, as in all aggregation methods,  
2 it's important to balance them.

3 Q. Okay. Are there any particular aspects  
4 of this case -- "this" being TelexFree -- that  
5 make it important to not over-cluster or  
6 under-cluster as much as possible?

7 A. I mean, there's the general principles  
8 as applied to this case. So the concern with  
9 over-clustering in general is that you would have  
10 two records joined together that shouldn't be in  
11 the TelexFree case that would amount to actually  
12 different participants that -- whose accounts were  
13 assigned to the same cluster.

14 In the case of under-clustering, the  
15 general goal is to make it so that records that  
16 belong in the same cluster do, in fact, appear  
17 there.

18 And so the specific manifestation of  
19 that here is that you would want that all of the  
20 user -- all of the participant's accounts that  
21 belong to them appear in the same cluster. Those  
22 were two key goals.

23 Q. Okay. But are there -- do you have any  
24 understanding of what would be, let's say, the

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1 practical consequences in this case of -- with  
2 respect to any particular user, of either  
3 over-clustering or under-clustering the associated  
4 accounts?

5 A. I have a general understanding of the  
6 role that the segregation is playing in the case,  
7 and so if there were two participants that were  
8 put in the same cluster, that would be not ideal.

9 And if there -- if not all of the  
10 accounts of a given participant were put in the  
11 same cluster, that would also be not ideal. Some  
12 amount of that is inevitable in any reasonable  
13 methodology on a dataset of this scale and  
14 complexity.

15 Q. Apart from what you just described, to  
16 what extent does -- I said, apart from what you  
17 just described, to what extent does  
18 over-clustering or under-clustering have a  
19 potential impact on any net equity calculations?

20 A. If your clustering is over-clustered  
21 then you would end up with net equity being added  
22 up across more records than should be, and  
23 conversely with under-clustering.

24 Q. Okay. Meaning that the calculation

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1 could change; is that right?

2 A. Whenever the clustering changes, the sum  
3 of things in the clusters change.

4 Q. And the calculation could go up or it  
5 could go down; is that right?

6 A. The calculation? Do you mean the sum?

7 Q. Yeah, the sum of net equity could go up  
8 or could go down.

9 A. If you add different numbers together,  
10 the answer could be different, correct.

11 Q. An alleged net winner who has his or her  
12 accounts over-clustered could see his or her net  
13 equity calculation increase in a way that's not  
14 appropriate; is that right?

15 A. No, that doesn't make sense. A net  
16 winner is determined by the clustering, and so if  
17 a net winner -- if two participants were put into  
18 a clustering when they should have been separate,  
19 there isn't even -- like, the premise of your  
20 question doesn't make sense to me in the context  
21 of having two participants in the same cluster,  
22 could you --

23 Q. Let me try again. And for purposes of  
24 these next questions, let's say there's person A

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1 and person B.

2 A. Okay.

3 Q. Let's say they're both net winners  
4 and -- but they are over-clustered so that their  
5 records are put together. What is the practical  
6 consequence for A and B of putting them together?

7 A. The practical consequence depends on how  
8 this information is used later in the court  
9 proceedings.

10 Q. Okay.

11 A. There would be a single cluster whose  
12 net equity is the sum of their respective net  
13 equities.

14 Q. Do you have -- as part of your analysis,  
15 did you use any assumptions as to how many  
16 participants could be associated with a single  
17 cluster?

18 A. Yes, the number has to be positive.  
19 There are no clusters that are zero.

20 Q. Do you assume that cluster could have  
21 more than one participant involved?

22 A. I'm not sure I would call that an  
23 assumption, but yes, it is possible that -- sorry,  
24 did you say "participant" or "account"?

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1 Q. Participant.

2 A. Oh, the goal is to have one participant  
3 per cluster. That's the aim of the aggregation.  
4 It won't always be achieved. I'm not sure what  
5 you mean by "assumption."

6 Q. As part of your work in TelexFree, did  
7 you assume that each cluster represented the  
8 accounts for a single person?

9 A. No, I mean, it's not an assumption.  
10 It's a goal. And the output will almost certainly  
11 not achieve that perfectly, but there's no -- I  
12 didn't make assumptions about the output. I  
13 generated the output and concluded things about  
14 it.

15 Q. My example, you have person A and person  
16 B, they're both net winners, but their accounts  
17 clustered together. What practical consequences  
18 would there be, to your understanding, of how the  
19 clustering would work for them as the case  
20 progressed?

21 A. I don't know the details of how the case  
22 is going to progress after this, but I assume in  
23 some form, one or more than them would be  
24 contacted with the list of accounts assigned to

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1 that cluster.

2 Q. Do you have any understanding of whether  
3 A could be contacted about the accounts pertaining  
4 both to A and to B if that over-clustering were,  
5 let's say, adopted in the case?

6 A. No, I don't have any specific knowledge  
7 about how that would happen.

8 Q. Okay. Do you have an understanding  
9 whether that would be a possibility?

10 MR. LYNE: Objection.

11 A. I don't understand any details of what's  
12 going to happen after this in terms of figuring  
13 out which information from a given cluster to use  
14 to contact them, if that's what you're asking.

15 BY MR. RONA:

16 Q. We'll do a similar set of questions, but  
17 this time I'm going to have A and -- we'll just  
18 have A, but A's accounts are under-clustered, if  
19 that makes sense. We'll have A1 and A2 accounts.

20 Let's say that the sum of the A1  
21 accounts is positive and the sum of the A2  
22 accounts is negative. What is your understanding  
23 of the practical consequences to A of having his  
24 or her account under-clustered in that situation?

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1 A. Again, I don't know in what way they'll  
2 be contacted, but assuming that net winners are  
3 contacted in some way and net losers are contacted  
4 some way, that would happen respectively with the  
5 contact information in the two clusters.

6 If there's a different procedure, for  
7 example, contacting people above a certain  
8 threshold, that would apply depending on the  
9 numbers and so on.

10 Q. Do you have any understanding of whether  
11 or how the A2 accounts would be -- after your  
12 analysis is complete, how those would be ever tied  
13 back to A or reunited with A1; are you aware of  
14 any procedure by which under-clustered accounts  
15 could be tied back together, apart from the  
16 analysis that you've done?

17 MR. LYNE: Objection.

18 A. Not specifically. I mean, I've read  
19 about what was discussed earlier in the case, but  
20 I don't know what will happen after my  
21 methodology.

22 BY MR. RONA:

23 Q. Okay. By the way, can you -- in your  
24 experience, can you -- actually, let me preface

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1 that question.

2 would you agree that based on the fact  
3 that the goal of clustering is to find a cluster  
4 for each account, that in a sense there's a  
5 zero-sum distribution; meaning, if an account  
6 belongs to A, it can't then therefore belong to B.  
7 Do you agree with that?

8 A. Belong to -- my understanding is that  
9 you were describing A and B as participants. The  
10 property that actually holds is with respect to  
11 clusters.

12 If an account is in one cluster, it is  
13 not in any other. The clustering has the property  
14 that I described. Every account appears in  
15 exactly one cluster of the clustering.

16 Q. If, let's say, there are only two  
17 participants in TelexFree, and you were trying to  
18 assign all accounts to one of those two  
19 participants, that process would be zero sum;  
20 would you agree with that?

21 A. I don't understand the premise. The  
22 goal is to create a clustering, not to assign them  
23 to a participant. If I knew who the participants  
24 were, we'd be done.



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1           There are actual participants in the  
2 world, but what I produce is the clustering, which  
3 ideally is closely in correspondence with the  
4 participants, but at no point do I interact with  
5 participants directly.

6           Q. I appreciate that. I'm trying to focus  
7 on that, you know, to use the football analogy,  
8 when a team that's about to score a touchdown  
9 fumbles at the goal line and the defense recovers  
10 it and runs it back for their touchdown, that's  
11 referred to as a 14-point swing.

12           Meaning, not only does the offense lose  
13 the chance to score seven points but the defense  
14 scores seven points, which results in a 14-point  
15 difference in the possible outcomes that could  
16 have been produced on that play.

17           Are you familiar with that?

18           A. Roughly, but I've lost track of how the  
19 extra points work, the six versus seven or eight.

20           Q. Fair enough. Let's assume extra points  
21 are automatic now. You're familiar with that  
22 concept of a single change in a situation  
23 resulting in essentially, a doubling of the  
24 possible difference?

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1 A. I guess it generally makes sense, but in  
2 your circumstance, wouldn't it be both them  
3 fumbling and not scoring?

4 If they don't fumble, they don't  
5 automatically score, so it seems like in that  
6 case, it is still essentially three actions; they  
7 fumbled, and they didn't score, and the other team  
8 scored.

9 Q. So let's go back to my A and B world,  
10 where there's two users. If there's an account  
11 that has an associated calculation of net equity  
12 of \$10,000, there's a difference to both A and B  
13 to whom that account is clustered. Would you  
14 agree with that?

15 A. If you set it up such that it has to be  
16 in either A or B, then yes, it affects A, whether  
17 it's an A or B, and it affects B, whether it's an  
18 A or B.

19 Q. Because by and large, TelexFree accounts  
20 or TelexFree transactions produce both  
21 simultaneously a net winning account and a net  
22 losing account, the switch of any account from one  
23 user to the other could create swings for both  
24 participants who are involved?

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1 A. Actually, I misspoke a minute ago. I  
2 was conflating the two things that I asked to keep  
3 separate a minute ago.

4 So the account moves from one cluster to  
5 another. It doesn't move from one user to another  
6 or one participant to another insofar as the  
7 participants are the participants. They have the  
8 accounts that they had.

9 It is true that the difference between  
10 the two clusters, it matters to those two  
11 clusters, but it's different from it mattering to  
12 the two participants, so I don't understand the  
13 premise of the latest question either.

14 Q. Could you explain why it wouldn't matter  
15 to the participants, but it would matter to the  
16 cluster?

17 A. I don't mean that it wouldn't matter to  
18 the participant in the sense of them not caring.  
19 What I mean is the direct effect is on the  
20 cluster, and to even talk about the participants,  
21 that's presupposing a relationship to the clusters  
22 that hasn't been fully set out in the experiment.  
23 If you had more detail, I could answer in more  
24 detail.

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1 Q. In my thought experiment where A and B  
2 are separate actual people, and the question was  
3 whether there was only two possible accounts, one  
4 is \$10,000 positive net equity account and one is  
5 a \$10,000 negative net equity account. Those are  
6 your only two accounts.

7 You're trying to determine the  
8 clustering of those two accounts, bearing in mind  
9 you wouldn't need to cluster individual accounts,  
10 I get that.

11 But for purposes of simplicity, if  
12 you're clustering both accounts to one person,  
13 then everyone is a zero, but if you assign one  
14 account to somebody, they're up 10,000 and the  
15 other person would therefore be down 10,000; do  
16 you agree with that?

17 A. No. Once again, I'm not clustering them  
18 to persons. I'm clustering them period. There's  
19 three possible partitions to the two records.

20 There's one clustering in which they're  
21 both in the same cluster, both records are in the  
22 same cluster. There's another clustering --  
23 sorry, there's simply two possible clusterings.

24 There's the clustering in which they're

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1 the same and there's the clustering in which  
2 they're separate clusters. If you additionally  
3 stipulate how they are assigned to persons, then I  
4 can answer your question, but the clustering is  
5 not to persons, it is to clusters.

6 Q. Okay. Anywhere in your report or in  
7 your opinions are you making that final connection  
8 between clusters and people?

9 A. Again, as I answered, indirectly in the  
10 sense that there's plentiful contact information  
11 in those clusters. I don't know in what other  
12 sense you're asking.

13 Q. Okay, I think we'll move on.

14 Let's look at -- you gave an example in  
15 your report of a clustering; is that right?

16 A. No, I provided the entire clustering as  
17 the report. I gave one example of cluster.

18 Q. And that's appended to your report;  
19 correct?

20 A. Yes, Exhibit 3 consists of one entire  
21 cluster.

22 Q. I'm trying to navigate there. I don't  
23 know if you -- if everyone can see this, it's a  
24 little small. This is a cluster, are you able to

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1 identify who the user was of Cluster 132785?

2 A. Only indirectly by this huge amount of  
3 contact information.

4 Q. What is your indirect -- who is the  
5 person that you're able to indirectly connect?

6 A. No, it's not that, I said "indirect." I  
7 could read the entire thing and that would give  
8 you all of the indirect information.

9 Q. Okay.

10 A. I did not say I can identify  
11 definitively a person.

12 Q. Okay. So I want to -- just again, I'm  
13 not trying to -- those aren't trick questions.  
14 I'm just trying to understand the -- qualitatively  
15 what your opinions are.

16 With respect to Cluster 132785, your  
17 opinion is only that this is an appropriate  
18 clustering, but in order to take an additional  
19 step of identifying who the user was associated  
20 with this cluster, that process would be done  
21 inferentially using the information that you  
22 clustered, but you're not doing that yourself; is  
23 that correct?

24 A. Correct.

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1 Q. Okay. In this cluster, it looks like  
2 there's various permutations of a name which, at  
3 its maximum, seems to be Maria Teresa Milagres  
4 Neves. Do you agree with that?

5 A. "Maximum" meaning most characters?

6 Q. You used somewhere -- I'm blanking on  
7 it, but you use a word that references, sort of,  
8 the parts of a name. And I apologize, I'm going  
9 to have to find it in a second, but I think you  
10 used, like, the quick brown fox as an example,  
11 where each of quick, brown, and fox have a label;  
12 is that right?

13 A. I believe I used the word "token." The  
14 collection of characters separated by spaces.

15 Q. In this case, the maximum possible  
16 tokens would appear to be four consisting of Marie  
17 Teresa Milagres and Neves; do you agree with that?

18 A. The first part. I do believe that four  
19 is the maximum number of tokens here. But that is  
20 not the only string consisting of four tokens,  
21 there's all sorts of variations.

22 Also, you're pronouncing it, but there's  
23 many different ways of spelling what you  
24 pronounce; for example, the M could be capitalized

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1 or not.

2 If you look at line 253, I would  
3 pronounce that Maria Teresa Milagres Neves, but  
4 the M and N are not capitalized, so it's a  
5 different string from, for example, line 265, in  
6 which the M is capitalized but the N is not.  
7 That's a different string from 266. Many of them  
8 would be pronounced, as you said, I believe.

9 Q. I agree there's other permutations, but  
10 there's also names in your aggregation that have  
11 fewer than four tokens; is that correct?

12 A. Correct.

13 Q. Okay. And I'm going to ask you to look  
14 at -- let's look at row four. Try to go in order  
15 here. Row four has an e-mail address that does  
16 not appear to, in any way, reference any of the  
17 tokens that appear in the name field; is that  
18 correct?

19 A. Not sure what you mean by "reference,"  
20 but yeah, I mean, neither Maria nor Neves appears  
21 as a substring of it.

22 Q. And neither does Milagres; correct?

23 A. No, but Milagres isn't in that name  
24 field.



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1 Q. For row 4?

2 A. You asked about row 4.

3 Q. You agree with me that none of the four  
4 tokens we talked about appear in the e-mail  
5 address for row 4?

6 A. Not in their entirety, no. Some  
7 overlapping characters.

8 Q. Oh, you're saying because there's an  
9 e-mail, there's some overlap.

10 A. Yeah, for example, if my name were  
11 Jeffrey and my e-mail address were Jeff, I would  
12 say that -- I don't know what you mean by  
13 "reference," but it clearly has something to do  
14 with it. In this case, there's not many character  
15 overlap.

16 Q. With the Yahoo e-mail address?

17 A. The zieffj@yahoo.com. Maria, Neves,  
18 Teresa, and Milagres are not substrings of that in  
19 any substantial form.

20 Q. This e-mail address would be one of the  
21 many data points that could inferentially be used  
22 to point to the actual participant?

23 A. In principle, yes.

24 Q. Let's go down to row 12. This I'm not

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1 going to try to pronounce it because I'm not sure  
2 there's a pronunciation, but M-A-R, space, and  
3 then lower case I-V-E-S; do you see that?

4 A. Yes.

5 Q. Okay. And that is -- as part of your  
6 clustering, you didn't, I take it, make any  
7 efforts to determine whether that's the name of an  
8 actual person; is that right?

9 A. Correct, no referencing of external  
10 sources.

11 Q. Okay. And we'll get into it a little  
12 bit more, but -- for why that would appear here,  
13 but the fact that it appears here is based on the  
14 methodology that you describe in your report that  
15 mathematically calculated the relationship between  
16 different fields; is that right?

17 A. Yes, so the aggregation produced a  
18 clustering in, which this is one of the clusters  
19 with those 471 accounts.

20 Q. Okay. Would you agree with me that with  
21 respect to row 12, M-A-R, space, I-V-E-S, that  
22 looking at that row alone, one wouldn't be able to  
23 tell whether that's a name of a separate person or  
24 that that's some version or misspelling of the

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1 four tokens that we've talked about that maximally  
2 appear in this cluster?

3 A. By looking at the one row alone, you  
4 can't compute much.

5 Q. Okay. And then let's go to the next  
6 page. I'm trying to zoom in. Let's look at row  
7 57; do you see that?

8 A. Yes.

9 Q. There the e-mail name looks like it's  
10 all lowercase, "maria lares"; do you see that?

11 A. I don't.

12 Q. Okay. And would you agree with me that  
13 that could possibly refer to a different person;  
14 is that right?

15 MR. LYNE: Objection.

16 A. It's always possible that any of these  
17 could refer to different persons or the same  
18 persons. All of these things are possible.

19 BY MR. RONA:

20 Q. Okay. But you would agree with me that  
21 Lares is not one of the four tokens that maximally  
22 appear in this cluster?

23 A. I agree that the string L-A-R-E-S is  
24 different from, in any capitalization, Maria

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1 Teresa Milagres Neves, correct.

2 Q. And in the case, staying on row 57, that  
3 if you go across all the rows, there appear to be  
4 some entries that superficially appear dissimilar  
5 to the majority of the same relative entries in  
6 other rows; is that right?

7 A. I would need to calculate more details.  
8 Are there at least 236 rows that differ in which  
9 field from this?

10 Q. For example, do you see any other rows  
11 that have that e-mail address?

12 A. I can look through the 471 now if you'd  
13 like.

14 Q. Sure, why don't you do that.

15 A. I could search.

16 It does not appear that that e-mail  
17 address appears elsewhere among the 470 others.  
18 As for whether, sorry. Which row again?

19 MR. LYNE: Fifty-seven.

20 A. Fifty-seven, right. If search is  
21 working correctly, that appears to be the only  
22 instance of that complete e-mail address. To  
23 check for components or more substantial  
24 agreement, I would have to look more carefully

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1 through it.

2 BY MR. RONA:

3 Q. I'm not going to go through all of them,  
4 but would you agree with me that a plurality, if  
5 not a majority of the address fields in this  
6 cluster are a Brackett Road address?

7 A. Brackett Road?

8 Q. Yeah, if you look --

9 A. Oh, not --

10 Q. Yeah, if you look at the first page.

11 A. I have to count. I mean, there's a lot  
12 of -- yeah, I could count through 471 or use a  
13 search function if you'd like, but yeah, it's not  
14 clear to me without counting.

15 Q. Okay. But would you agree with me that  
16 at least if you were to skim or if you want to do  
17 another search, that there are a small number, if  
18 any, other rows that have a Fuller Ave. address?

19 A. The word "Fuller" appears eight times in  
20 my report.

21 Q. Do you know where it appears?

22 A. On this row, on page 9, three times.  
23 The search is not working.

24 Q. When you say "page 9," you mean of your

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1 report?

2 A. Yeah. Well, now the search  
3 functionality is not working. I can look through  
4 manually to see in this table if you'd like.

5 Q. I don't know if you'll take my  
6 representation, but on page 9 of your report, you  
7 have an example of a table with the name  
8 Jacqueline Fuller.

9 A. Yes.

10 Q. To the extent that "Fuller" appears on  
11 page 9 and other pages in the body of your report,  
12 that would relate to that example?

13 A. That's not related to this example,  
14 correct. It's just what the search functionality  
15 found and this PDF viewer in eDepoze is just  
16 broken. I can't trust it. I need to rely on --

17 Q. It's not that important, but I just  
18 wanted to ask a few questions.

19 Row 57, in terms of to the extent row 57  
20 is used to try to identify the actual person to  
21 whom one -- Cluster 132785 relates that  
22 information could potentially point to a different  
23 person than the -- if there is a person with the  
24 four token name; do you agree with that?

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1 A. That's a possibility with every row.

2 Q. Okay. And just staying on whatever  
3 page we were on that has row 57, if you could just  
4 dart down to row 80, do you see that there's now a  
5 name in the name field, Rita Lares?

6 A. I see that.

7 Q. And that has an e-mail address of  
8 calderonr27@yahoo.com; do you see that?

9 A. Yes.

10 Q. That has an address on Merida Street; do  
11 you see that?

12 A. Yep.

13 Q. Okay. So that -- again, that could  
14 potentially relate to somebody different than  
15 Maria Teresa Milagres Neves; is that right?

16 MR. LYNE: Objection.

17 A. As I said before, every row could  
18 potentially be a different participant. That the  
19 goal is to aggregate them based on the -- but it's  
20 always a possibly in any aggregation.

21 BY MR. RONA:

22 Q. I've asked this before, but now in the  
23 context of this cluster, you're not offering any  
24 opinions, am I correct, as to whether there is

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1 only a Maria Teresa Milagres Neves and there's no  
2 such person as Rita Lares or Maria Lares; is that  
3 right?

4 A. What do you mean "there is only"? You  
5 mean in the world, is there only one person and  
6 their name is Maria Teresa Milagres Neves?

7 Q. With respect to this cluster, Cluster  
8 132785, are you offering any opinions as to how  
9 many individuals and the identity of those  
10 individuals are involved with this cluster?

11 A. The goal of the clustering of the  
12 aggregation methodology is to produce a clustering  
13 in which one participant is assigned to an entire  
14 cluster, and only that cluster.

15 In any particular case, especially a  
16 larger cluster, there may be a small number of  
17 errors. The goal is that this is connected to one  
18 participant. I can't guarantee it is error-free.  
19 In fact, this is one of the larger clusters, so  
20 one might expect a small number of errors.

21 Q. In the course of forming your opinions,  
22 did you attempt to calculate error rates?

23 A. Yes, I describe this in page 73, 74, and  
24 75.



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1 Q. Okay. I'll go there right now. This is  
2 where you're referring to type I and type II  
3 errors?

4 A. Well, yeah, many aspects, but yeah, I  
5 discuss type I and type II errors, false  
6 positives, false negative, false discovery rate,  
7 false negative rate, precision, recall, half  
8 measure. These are all related to error rates.

9 Q. Okay. And what is precision in this  
10 context?

11 A. So the formal definition involves some  
12 details, but roughly speaking, precision is the  
13 portion of the pairwise matches produced by the  
14 methodology that are correct.

15 And recall is, roughly speaking, the  
16 proportion of correct pairwise matches that are  
17 captured in a cluster in the methodology output.

18 Q. And what is accuracy in this context?

19 A. So accuracy, as I describe it here, is a  
20 synonym for "F1" or "f-measure," which is defined  
21 to be the harmonic mean of the two. It's a  
22 mathematical combination that's high when both are  
23 high, and if either of them is low, then it will  
24 be lower.

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1 Q. Okay.

2 A. It's a balancing.

3 Q. Okay. And how did you make those  
4 calculations?

5 A. As I describe here, it's using the  
6 appropriate -- the appropriate analogue of the  
7 equations in the Enamorado et al. paper, which is  
8 describing essentially the method used by this  
9 link software package, whose implementation I  
10 used.

11 Q. So the calculations that you describe,  
12 those are estimations; is that right?

13 A. Yes.

14 Q. Okay. They're estimations based on the  
15 TelexFree dataset itself; is that right?

16 A. Based on the TelexFree dataset itself  
17 and what the model thinks of the values in it.

18 Q. Okay. It's not based on any comparison  
19 of data, either on a sampling basis or an  
20 aggregate basis with external data or what could  
21 be called "real-world data"; is that correct?

22 A. Correct.

23 Q. Let's talk about data quality. What is  
24 data quality in the field that you've been working

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1 in for probably about a decade now?

2 A. There's several aspects of data quality,  
3 as I describe in the report, but they all relate  
4 to the extent to which the data is useful and  
5 usable for the given purpose, and so it depends  
6 somewhat on the application.

7 As I described, some of the key factors  
8 which are most relevant in the TelexFree  
9 aggregation setting involves the consistency and  
10 accessibility and the believability of the data,  
11 which I walk through both in the example and  
12 describe in the context of the various fields,  
13 "fields" in the formal sense, not the way that you  
14 used the word.

15 Q. Are these qualities that you reference,  
16 let's say, generally accepted in the field of --  
17 or generally recognized in the field of data  
18 linkage?

19 A. Yes, so in particular, those four are,  
20 as described in Peter Christen's book that I  
21 reference on data matching, which is one of the  
22 standards in the field. I believe it's been cited  
23 over a thousand times.

24 Q. Does Peter Christen's book identify any

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1 other factors that relate to quality besides the  
2 four that you mentioned?

3 A. Yeah, he describes a bunch. I think  
4 those four are most relevant for assessing field  
5 quality.

6 Q. would you agree that one of the other  
7 factors is accuracy?

8 A. Accuracy is certainly a factor in the --  
9 in what's possible with the resulting aggregation.  
10 It's less useful as something to be assessed at  
11 the forefront of determining which fields to use,  
12 which is the relevant part of this aggregation.

13 Q. Okay. Do you have any opinions or have  
14 you done any analysis to determine the accuracy of  
15 the TelexFree data that you received from Huron?

16 A. Yes, the report itself in that had it  
17 been -- it certainly looks generally quite high  
18 quality, looking through it and the tests that I  
19 was doing in the different fields.

20 And I described field-by-field later on;  
21 but furthermore, the quality of the resulting  
22 aggregation speaks for itself in that if you start  
23 with something of low data quality, you wouldn't  
24 be able to produce an aggregation that's as

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1 meaningful and generally reasonable.

2 Q. Is that in the same vein as the phrase  
3 that I'm sure you've heard that, "Junk in, junk  
4 out"?

5 A. To some extent, but also part of the  
6 point of cleaning and aggregating generally is  
7 that the overall quality can be raised somewhat by  
8 these procedures.

9 And so if you start with data that's  
10 somewhat messy and not perfectly accurate, albeit  
11 still generally good accuracy, as I could  
12 characterize this dataset, it's possible to have  
13 quite a high-quality aggregation that results.

14 Q. Going back to the cluster that we talked  
15 about, I'm not going to flip the page, but the  
16 cluster that's appended to your report.

17 would an example of what you just  
18 described be that if Maria Teresa Milagres Neves  
19 mistyped her name as Rita Lares, and therefore,  
20 creating a data accuracy issue, that would be  
21 addressed by your clustering, which would have the  
22 effect of raising the value of the quality; is  
23 that an example of what you're describing?

24 A. I couldn't comment on that specific one

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1 with Rita Lares, but generally speaking, typos or  
2 name variations are the sort of thing that could  
3 potentially be rectified via cleaning and  
4 aggregation.

5 Q. When you say that you thought TelexFree  
6 data was generally of high quality, what standards  
7 were you using to guide you?

8 A. So I mentioned those four standards a  
9 minute ago, and it wasn't just aggregate, but on a  
10 field-by-field basis. And I'm not claiming that  
11 every field was potentially usable.

12 In fact, some fields were almost  
13 entirely empty. Those are obviously not as  
14 useful. But some of the properties I described,  
15 like accessibility, have to do with how the fields  
16 relate to one another and specifically the idea  
17 that there's multiple complimentary sources of  
18 information, which are quite present in this  
19 dataset.

20 Knowing somebody's name is different  
21 from knowing their e-mail, their address, their  
22 phone number and so on, and having these  
23 complimentary sources of information increases the  
24 quality above and beyond the quality of each of

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1 those individual fields.

2 Q. Is it fair to say, based on your  
3 reliance on the four factors that you describe,  
4 that your opinion about the quality of the data  
5 doesn't relate to the accuracy of any of the data;  
6 is that right?

7 A. No, that's --

8 Q. On an input basis?

9 A. No, that's false. As I said, I did  
10 assess the accuracy to be reasonably high and more  
11 than sufficient for carrying out this aggregation  
12 procedure, which is borne out by the high quality  
13 of the results.

14 Q. How did you assess the accuracy of the  
15 data on an input basis?

16 A. No, I said -- the general assessment is  
17 by the fact that it was possible to do this  
18 methodology.

19 Q. Okay. Aside from possibility, did you  
20 make any analysis of data accuracy before you  
21 started your clustering methodology?

22 A. Yes, insofar as accuracy is spoken to by  
23 those other characteristics also. If the data is  
24 believable, it makes it more plausible that it's

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1 accurate. If the data is consistent, that's a  
2 sign of accuracy. It's sometimes helpful to  
3 mention them separately.

4 Q. I'm just trying to understand what  
5 assessments you made apart from those four  
6 factors. On an input basis, you didn't make any  
7 separate assessment as to data accuracy; is that  
8 correct?

9 A. I didn't make as, formal, a separate  
10 assessment. I'd say that the three  
11 characteristics, other than accessibility, the  
12 completeness, consistency, and believability have  
13 to do with accuracy and those I assessed in  
14 detail.

15 Beside that, which is an awful lot, it  
16 wasn't as formal. It was generally working with  
17 the data and finding it to be reasonable and  
18 sufficient for forming matches and so on.

19 Q. Am I correct that you didn't do any --  
20 on a sampling basis or any specific set of  
21 inquiries, you didn't review the data in  
22 comparison to external data to try to determine  
23 accuracy before you started your methodology; am I  
24 correct? Understanding --



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1 A. I did not -- I did not use external  
2 sources.

3 Q. Okay. Let's talk about believability;  
4 what is believability?

5 A. Believability for a field is the idea  
6 that the values in that field seem plausible.  
7 It's not about directly checking it with external  
8 data, but, for example, if somebody says that  
9 they're 200 years old, probably that's incorrect  
10 in some form. You don't know from that whether  
11 it's a typo or otherwise, but probably that's  
12 incorrect.

13 I give the example using the voting  
14 record dataset of how the row -- the row that  
15 lists someone's age as 101, it's certainly  
16 possible there are 101-year-olds, but they're very  
17 infrequent. So that one seems like it might be  
18 less believable than the others, but it's all a  
19 matter of degree.

20 Q. You're referring to the Table 1 on  
21 page 6 of your report.

22 A. Correct.

23 Q. Are there standards that govern  
24 believability?

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1 A. I think there's not as explicit sort of  
2 calculational recommendations as with some of  
3 these other categories. It depends on sort of  
4 general expert judgment.

5 Q. Is that a subjective judgment that, in  
6 the case of TelexFree, you made?

7 A. No, I would say it's an expert judgment  
8 that's not subjective.

9 Q. Okay. Well, what objective means did  
10 you use to assess believability in the case of  
11 TelexFree?

12 A. So it varies by the field. I described  
13 this for several of the fields in detail; for  
14 example, when talking about e-mail address, I use  
15 the Internet Engineering Task Force RFC, I can  
16 look up the number if you're interested.

17 That's the governing bodies of the  
18 Internet. They determine what makes for a  
19 legitimate e-mail address or not. And so that's  
20 the methodology that I use there, and there's  
21 different ones for different fields.

22 Q. And again, that e-mail analysis only  
23 refers to the formatting, not whether there's a  
24 validly functioning e-mail address at the other

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1 end?

2 A. Right, which is the essence of  
3 believability.

4 Q. What objective factors did you use to  
5 assess the believability of the name field?

6 A. I describe that in some detail on  
7 page 24, 25, and 26, I guess mainly at the bottom  
8 of 25 and beginning of 26. So one -- one thing  
9 that you typically do first is see how often it's  
10 empty or null.

11 So 0.00002 of the time, fraction of the  
12 time is it empty. And it's never null, in all  
13 approximately 11 million records. Another thing  
14 that one would typically check, as I did, is what  
15 kinds of characters appear in it.

16 If it's a whole bunch of symbols as  
17 opposed to letters, that's less believable. So I  
18 found that -- and also the length is some sign of  
19 believability. Not everybody has, say, a single  
20 character name.

21 I found that 97 percent of the name  
22 field values are both five characters or longer  
23 and contain entirely alphabetical characters or  
24 the symbols that are typically found in names like

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1 period, comma, hyphen, space, apostrophe.

2           Additionally, on a sampling basis, like  
3 you said, I took a random sample of 300 of the  
4 name fields that met that criterion and found that  
5 98 percent looked like a name, so there was some  
6 extra judgment involved rather than it being fully  
7 automated.

8           And then combining those facts, I  
9 estimate that at least 95 percent of the user  
10 accounts are such that rep\_na field that we've  
11 been calling the name field, "rep\_nome" appears to  
12 be a name.

13         Q.    So your assessment of the believability  
14 of the name field is based on whether it looks  
15 like a name; is that fair to say?

16         A.    That's part of it. There's other  
17 aspects also, as I described. First of all,  
18 that's only one of the three or four things I just  
19 said.

20               In addition to everything I said,  
21 there's the way that -- there's some diversity of  
22 value; right? If every single -- if every single  
23 record -- if every account had the same name  
24 string, that would not be very believable, if one

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1 thought there were supposed to be different  
2 participants.

3 In fact, the distribution of name field  
4 values among different names, substantially  
5 different names, is exactly the sort of thing you  
6 would expect to contain actual names, so that's  
7 part of the believability also.

8 Q. Your assessment would not be in any way  
9 lessened by the fact that some names are things  
10 like Mickey Mouse or Barack Obama; that would  
11 still look like a name and satisfy the criteria  
12 that you described?

13 A. No, that's incorrect. So I list ten  
14 values taken from that random sample. Notably,  
15 that does not include things like Barack Obama or  
16 Mickey Mouse.

17 And indeed the 98 percent looking like a  
18 name, I would not have said that Mickey Mouse  
19 looked like a name in the course of doing that  
20 assessment. I agree that there's not some formal,  
21 fully automated standard for what it is to look  
22 like a name.

23 But I mean, in the normal sense, Barack  
24 Obama does look like a name. In fact, it is a

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1 name. It does look like a name. It is a name.  
2 Mickey Mouse, though, is an example of what I mean  
3 by not looking like a name.

4 Q. Okay. And the 300 names that you -- the  
5 sample that you picked, is that disclosed in your  
6 report anywhere?

7 A. The full contents of the 300?

8 Q. Yes.

9 A. No.

10 Q. And did you pick that out of the entire  
11 database or did you pick that off accounts that  
12 had been associated or ended up being associated  
13 as net winning accounts?

14 A. Neither. As I described, I selected it  
15 from the approximately 97 percent of values for  
16 the name field that were both five characters or  
17 longer and contained only the characters described  
18 above.

19 Approximately 3 percent already don't  
20 look like names by that very specific standard  
21 that I calculated. And then to do the manual  
22 review, I randomly sampled from those that met the  
23 automated criterion without referencing to net  
24 winner, but also it's not the full dataset, it's

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1 the subset I described.

2 Q. Comparing the work that you did for  
3 TelexFree to the work you did for Remine, can you  
4 think of another case where the name field had an  
5 apparent believability that was less than  
6 99 percent?

7 A. You're asking if I've encountered a  
8 database in which a name field appears less than  
9 99 percent accurate?

10 Q. Right. Not counting -- setting aside  
11 TelexFree. In your other work, including for  
12 Remine, can you think of an instance where you  
13 evaluated a dataset and concluded or calculated  
14 that it had a believability of less than  
15 99 percent?

16 A. I don't recall enough details about  
17 Remine. It wouldn't surprise me if many of those  
18 datasets had substantially less than 99 percent  
19 believability in the name field and nevertheless  
20 were usable.

21 Q. When you say "substantially less," what  
22 would you be talking about?

23 A. I don't recall the details, but it seems  
24 totally plausible to me that 95 percent or even

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1 90 percent accuracy in a name field could be  
2 usable depending on the circumstance. Talking  
3 about very different kinds of datasets.

4 Q. Let's talk a little bit about, in terms  
5 of data entry, do you -- when you're assessing the  
6 data quality, do you make any -- to what extent do  
7 you consider the purpose for which the data was  
8 entered by a user; does that ever factor into your  
9 analysis?

10 A. Yes, as I've described in the section  
11 selecting the fields, I relied on not only the  
12 data itself, but on the reference tab of the Huron  
13 spreadsheet, "10ksample.xlsx," which gives a  
14 shortening summary of Huron's understanding of the  
15 meaning of the field.

16 This was necessary in part because the  
17 names are both computer code abbreviations and  
18 also sometimes involving Brazilian and Portuguese,  
19 to my understanding.

20 Q. Let me ask it this way: Do you have an  
21 understanding about that the data in TelexFree was  
22 user-entered?

23 A. That's my understanding generally, but  
24 the specific details of how that interacted with



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1 the database, I don't know.

2 Q. Okay. And I take it when you were --  
3 when you've done this type of work for other  
4 record linkage projects, that you're also used to  
5 encountering user-entered data; is that right?

6 A. In some cases. In other cases, it's  
7 heavily or substantially modified by the data  
8 provider; for example, in financial datasets, it's  
9 important that some aspects be directly feeds from  
10 exchanges, in which case I'm not sure you call  
11 that a user.

12 Also there's various enhancements  
13 provided to the data by the provider depending on  
14 the circumstances. It really varies quite a lot.

15 Q. Okay. So when you're looking at  
16 dataset -- large datasets, there's a possibility  
17 or a common occurrence that some of the data is  
18 not actually typed in by a user, but is generated  
19 by some system?

20 MR. LYNE: Objection.

21 A. There exist datasets that are generated  
22 by computers, if that's what you're asking.  
23 There's many datasets in the world.

24 BY MR. RONA:

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1 Q. I take it you've done some work trying  
2 to do record linkage in connection with financial  
3 institutions; is that right?

4 A. I wouldn't characterize it as record  
5 linkage with financial institution. I would say  
6 it more involves -- has involved data cleaning and  
7 filtering and not with institutions, but with  
8 "trades," in quotes, and things, like the content  
9 of financial market themselves. It's a different  
10 shape of data.

11 Q. To use trades in quotes, I take it  
12 you're referring to some form of a securities  
13 transaction where there's a dollar amount that's  
14 generated in connection with that transaction?

15 A. Yes. Generally.

16 Q. Okay. And that dollar amount is not  
17 user-entered but it's generated by a system based  
18 on some other transactional data; is that right?

19 A. In some sense, but typically the market  
20 participant has said something involving the  
21 price. If it's a limit order, then they've  
22 stipulated a price.

23 If it's a market order, then they're  
24 taking a price that some other participant --

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1 which you might call a "user" in that case.  
2 That's very little of this that involves no users  
3 in any sense. Or even if it's entirely automated  
4 trading, the computers are users in that sense.

5 Q. In the case of that type of  
6 transactional data, is it correct to say that  
7 there's an expectation that that data is fairly  
8 accurate given the nature of what's being  
9 reported?

10 A. It depends a lot, and that's part of why  
11 there's a wide difference in price that people pay  
12 for financial data, how well-cleaned it is and  
13 what kinds of errors occurs. It varies quite a  
14 lot.

15 Q. When you analyze, for example, what you  
16 described as sort of securities-related  
17 transactional data, does it factor into any  
18 analysis that this data itself was compiled in  
19 connection with those transactions; meaning,  
20 knowing what the purpose was of somebody compiling  
21 that data?

22 A. Well, yeah, the purpose is always  
23 useful.

24 Q. Okay. In connection with TelexFree, did

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1 you, in any way, assess the purpose that users  
2 entered any of the data?

3 A. Well, of course. I mean, name fields  
4 are intended to be names, address fields are  
5 intended to be addresses, and so on.

6 As I said, one of the starting points  
7 was looking at what the fields were supposed to  
8 mean; for example, you know, "rep\_obs," that's not  
9 a perfect description of its contents.

10 It's helpful to know what it's supposed  
11 to be. That's the case with essentially any  
12 dataset, looking at the information about it is  
13 helpful.

14 Q. Hypothetically, if you were trying to  
15 assess Amazon delivery data, would it matter to  
16 you to know that the addresses entered were  
17 entered so that the customer could receive the  
18 package that they pay for?

19 A. It all depends on circumstance. For  
20 many purposes, it wouldn't matter; for others, it  
21 might.

22 Q. If the accuracy of the address mattered,  
23 you'd want to find the dataset where the customer  
24 had a strong incentive to put accurate data; is

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1 that right?

2 A. No, not necessarily. It could be  
3 accurate via some other means, other than their  
4 incentive.

5 Q. Okay, but would you want to know what  
6 the incentives were for the accuracy of the data  
7 when you reviewed it?

8 A. Depends on the circumstance. In many  
9 circumstances, no. In some, I could imagine it  
10 might be.

11 Q. In TelexFree, are you aware of any  
12 circumstances or incentives that the user had to  
13 enter accurate data?

14 A. I'm generally aware from the discussion  
15 in the court cases of some discussion along those  
16 lines. It didn't play a major role in how I used  
17 the data.

18 Q. Okay. Do you have any opinions as to  
19 whether any particular field had associated with  
20 it some incentive to enter that information  
21 correctly?

22 A. Everybody always has incentive when  
23 entering things. It did not generally appear that  
24 people systematically put in keyboard-mashing,

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1 totally arbitrary characters systematically.

2 The e-mail field looks like an e-mail  
3 field and so on; therefore, it is reasonable to  
4 conclude that that is generally the sort of thing  
5 that people were trying to do.

6 It would be an awfully big coincidence  
7 if the name field ended up with names despite it  
8 not being labeled as such or people having any  
9 idea that they were supposed to put a name there.  
10 I assume that the users, you know, they weren't  
11 given a bunch of fields with no labels, for  
12 example.

13 Q. In looking at TelexFree data, did you  
14 attempt to find any data that would allow you to  
15 pull in external sources of data that might help?  
16 So let me narrow that question to credit card  
17 numbers or bank account numbers.

18 A. Data that would allow me to -- I mean,  
19 given somebody's address, you could potentially do  
20 any number of searches on them.

21 Q. Okay. But did you look for any  
22 financial external -- externally connected  
23 financial data?

24 A. I did not look for it, but I thought

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1 your previous question was whether or not the data  
2 would enable that.

3 Q. If, for example, you found bank account  
4 numbers, would that have been relevant and useful  
5 as part of your assignment to look at?

6 A. By "found," do you mean if the  
7 representante table contained totally different  
8 kinds of information than it contained?

9 Q. If it contained bank account numbers,  
10 would that have been useful to look at?

11 MR. LYNE: Objection.

12 A. I couldn't say in any specifics. I  
13 would need more context. If the dataset were  
14 different, I might have done something different,  
15 obviously.

16 BY MR. RONA:

17 Q. Did you ask Huron or Murphy & King  
18 whether there was any bank account information or  
19 credit card information in connection to  
20 TelexFree?

21 A. No, I was provided these datasets. It  
22 was more than sufficient for the purpose.

23 Q. Okay. Do you have any understanding  
24 that there was a way in TelexFree in linking a

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1 user account to something called an E-wallet,  
2 where you could have transactions with financial  
3 institutions?

4 A. I have a vague recollection of coming  
5 across that word in some of the court documents.  
6 I don't recall in any detail.

7 Q. Did you follow up with Huron or  
8 Murphy & King about what data might be available  
9 in connection with that concept?

10 A. With the concept that E-wallets existed?

11 Q. Correct.

12 A. No specific discussion, no.

13 Q. Are you aware that people could use  
14 credit cards to have transactions with TelexFree?

15 A. My general sense is that that was, in  
16 some cases, a possibility.

17 Q. Did you ask either Huron or  
18 Murphy & King if there was any credit card data  
19 available?

20 A. Not specifically.

21 Q. Okay. Paragraph 92 of your report.

22 MR. LYNE: where?

23 MR. RONA: You knew. You could tell by  
24 the way I started.



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1 MR. LYNE: You're heading off in a  
2 different spur.

3 MR. RONA: Do you want to break for  
4 lunch?

5 MR. LYNE: Yep.

6 MR. RONA: So 1:45.

7 MR. LYNE: 1:45, 1:50.

8 MR. RONA: 1:50 p.m., all right.

9 (whereupon, a lunch recess was taken.)

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1 A F T E R N O O N S E S S I O N

2 CONTINUED DIRECT EXAMINATION

3 BY MR. RONA:

4 Q. Before I actually move to the topic I  
5 was about to move, I want to kind of close out  
6 some of the things we covered before.

7 On -- appended to your report,  
8 Dr. Freer, is a CV; is that correct?

9 A. Yes, Exhibit 1.

10 Q. Exhibit 1. And that CV, is that your  
11 most complete or current CV or do you have a  
12 further CV in the works?

13 A. I haven't revised my CV since this time,  
14 but obviously it doesn't include things in the  
15 last ten months.

16 Q. Okay. Has anything meaningful changed  
17 in the last ten months in terms of either  
18 publications that you've submitted or had approved  
19 for publication or any -- anything else that would  
20 sort of get a space on the CV?

21 A. Yeah, a few things, nothing super  
22 consequential. But yeah, I think one or two  
23 publications probably. Probably a few conference  
24 talks. I think possibly some students that I've

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1 worked with last summer or in the fall.

2 I guess also I'm not sure if I would add  
3 it to this section on a formal CV, but in addition  
4 to my primary appointment at MIT, I've also taught  
5 a course at Keio University in Tokyo, Japan  
6 remotely the last two falls. That might go  
7 somewhere on it, if and when I revise it next.

8 Q. Do you have an intention in this case  
9 providing a updated CV to the extent that you make  
10 any further submissions?

11 A. I hadn't been planning on it. I don't  
12 know whether I should reserve that right in the  
13 future.

14 Q. Okay. I wanted to know if you had that  
15 intent, but okay.

16 Going back to one topic that we had  
17 touched on earlier, you had said, I believe -- I'm  
18 not trying to -- I'm just paraphrasing. I'm not  
19 trying to mischaracterize.

20 But you had said that you felt that  
21 assessing the data in terms of consistency,  
22 completeness, accessibility and believability,  
23 that that would provide some assurances of  
24 accuracy; is that a fair summarization of what you

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1 said earlier?

2 A. I believe I singled out accessibility as  
3 not necessarily leading to accuracy per se, but  
4 that the other three contributed to it.

5 Q. Okay.

6 A. Also just quickly to round out that  
7 previous thing, I should note that the exhibit --  
8 do you need anything? Okay. That the Exhibit 1  
9 CV is already different from the one that we  
10 discussed in the exhibit on eDepoze.

11 In particular, it contains a few more  
12 details about some of the industry experience and  
13 things like that, which are not in that version.  
14 I don't recall what else differs. This is already  
15 different from the one we were talking about.

16 Q. And based on your review, would you say  
17 that the Exhibit 1 version of the CV is an earlier  
18 version than the one appended to your report?

19 A. I think it's earlier based on the date  
20 saying 2020 at the bottom, though, not knowing  
21 where you got it from, I couldn't say for sure. I  
22 would assume it's both earlier and it did seem to  
23 include less detail on the industry experience. I  
24 don't recall what else is different.

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1 Q. Okay. So maybe --

2 A. Sorry, it may also be that the  
3 publications more explicitly note which things  
4 were alphabetical author order. There may be a  
5 few other minor differences like that. Maybe  
6 different list of student mentoring and progress,  
7 things of that sort.

8 Q. Not necessarily the CV that we've marked  
9 as Exhibit 1, is that a CV that you, at some  
10 point, prepared?

11 A. I believe so.

12 Q. Okay. Going back to the question about  
13 to what extent the factors of consistency,  
14 completeness, and believability contributed to  
15 accuracy, would that thought hold true in a  
16 situation where a user entered data completely and  
17 consistently and believably, but they entered data  
18 that in no way pertained to their demographic  
19 information; meaning, they entered wholesale  
20 different information that doesn't pertain to  
21 them, it pertains to somebody else or even a  
22 fictitious person?

23 MR. LYNE: Objection.

24 A. It depends on detail, but thinking

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1 through the different concepts, it's certainly  
2 possible to have complete data that is not  
3 accurate, or consistent data that is not accurate,  
4 or believable data that is not accurate.

5           When I say they contribute to it, I  
6 don't mean that data is accurate insofar as it has  
7 those three and only those three characteristics;  
8 but, rather, in the course of working with data in  
9 normal circumstances, to the extent that it is  
10 complete or consistent or believable that should,  
11 in most circumstances, increase your credence that  
12 it's accurate. That's not to say it's logically  
13 required.

14 BY MR. RONA:

15           Q. That's a view that you established in  
16 your consulting work prior to being an expert  
17 witness in TelexFree; is that correct?

18           A. I would say that's -- yeah, it's a  
19 generally reasonable opinion about the  
20 relationship between those aspects of data  
21 quality.

22           Q. Okay. All right. So now back to where  
23 I think I was headed, which was paragraph 92. Do  
24 you have paragraph 92 in front of you?

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1 A. Yes, on page 25.

2 Q. "It is worth noting that while it may  
3 turn out that a name is made up (such as 'Mickey  
4 Mouse'), this itself is not a critical issue for  
5 data aggregation." Do you see that?

6 A. Yes.

7 Q. Why is whether the name is made up not a  
8 critical issue for aggregation?

9 A. I mean, simply put, it is possible to  
10 aggregate values without reference to what kinds  
11 of entities they refer to. Let's say you had  
12 entirely synthetic data that is, in fact, often  
13 used for testing aggregation procedures.

14 You can have entirely computer-generated  
15 data that has no relation to reality that can be  
16 useful for testing and aggregation methodology.

17 In a situation where it's plausible that  
18 most of data or even an overwhelming majority of  
19 the data is real, then what the aggregation  
20 methodology will be doing is aggregating data  
21 connected to reality.

22 To the extent that it's not, that  
23 doesn't mean that the aggregation method will fail  
24 or even perform poorly. It still might do an

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1 adequate or quite good job of aggregating the  
2 records on the basis of the contents that is in  
3 them, however they got there.

4 Q. Okay. I'm going to try to find the  
5 paragraph number, paragraph 5. Do you have that  
6 in front of you? That's on page 2.

7 A. "Because of the pyramid"?

8 Q. Yes.

9 A. I do.

10 Q. The second sentence is, "My  
11 understanding of the TelexFree scheme is that, in  
12 the course of User Account creation, it was common  
13 practice for recruits to use their own name while  
14 using the contact information" -- I'm going to  
15 skip the parenthetical -- "of their recruiters, or  
16 for family members to share the same contact  
17 information, or for a business and an individual  
18 to share the same contact information."

19 Do you see that?

20 A. I see it.

21 Q. Okay. What was the basis for that  
22 understanding that I just read?

23 A. Generally, the court documents,  
24 including primarily, I believe, the court's



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1 memorandum from June 2021 and possibly from the  
2 Martin report or Dennis rebuttal or Martin reply.

3 Q. Okay. Aside from what you just  
4 enumerated, was there anything else that informed  
5 that understanding?

6 A. It seemed consistent with the shape of  
7 the data, so I had no reason to question those  
8 judgments of the judge or otherwise, but yeah, I  
9 had the data by that point, which seems consistent  
10 with this understanding.

11 Q. Was there any empirical work that you  
12 did to form the basis of that understanding?

13 A. I mean, yes, though not super explicitly  
14 in terms of numbers that summarize it, but in the  
15 course of working empirically with the dataset it  
16 was, in fact, abundantly clear that sometimes this  
17 information varied in a way consistent with that.

18 For example, it was not the case that  
19 every time a name appeared with the given e-mail  
20 address, that the street was always the same;  
21 right? That varies in the dataset.

22 So I don't have hard numbers on that,  
23 but the way that it varied in the way that I  
24 observed in course of working with the data for

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1 months seems consistent with this.

2 Q. Okay. To what extent do you have an  
3 understanding of whether -- going back to  
4 paragraph 5 -- staying on paragraph 5, rather --  
5 that the, I'll call it the reverse situation could  
6 be true, which is that a recruit would have  
7 entered the name of the promoter, but not  
8 necessarily kept the contact information? Do you  
9 have any understanding about whether that was a  
10 likely occurrence?

11 A. Any number of things are possible. I  
12 don't specifically have a recollection of that  
13 being talked about as something that frequently  
14 occurred, nor did it jump out as something that  
15 seemed to appear in the data, but any number of  
16 things are possible.

17 Q. Did you make any determinations about  
18 the likelihood of data entry scenarios where  
19 information like name or any portion of contact  
20 information could be flipped between different  
21 users?

22 A. No, and at some level, it's impossible  
23 to tell certain things from the dataset itself.  
24 If you take a record and you write down all the

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1 fields and you tell me, "Person A did it versus  
2 Person B did it," of course, information is not in  
3 the dataset. I don't know from the dataset,  
4 period.

5 Q. You agree with me that you have at least  
6 some understanding that on certain occasions when  
7 a user entered data, they entered information that  
8 pertained to somebody else?

9 A. That is, yeah, I mean, as I describe in  
10 that paragraph, there's, in fact, several specific  
11 scenarios where my understanding was that kind of  
12 thing was likely to have happened.

13 Q. Okay. Now, I'm sorry, again jumping  
14 around here, but let's go to page 24 of your  
15 report. You have a section titled, "Special Role  
16 of the Name Field." Let me know when you're  
17 there.

18 A. Paragraph 89?

19 Q. I'm at the heading above paragraph 89.

20 A. Okay.

21 Q. Do you have that page open?

22 A. I do.

23 THE WITNESS: Do you need a second?

24 Page 24.

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1 MR. LYNE: Got it.

2 BY MR. RONA:

3 Q. what do you mean by the "special role of  
4 the name field"?

5 A. I mean, what I mean by it is the  
6 following six paragraphs, there's a bunch of  
7 things I say about it. I can read them or do you  
8 want to summary review of them or...

9 Q. I'm just wondering if what you -- do you  
10 refer to any other identifier or field having a  
11 special role besides the name field?

12 A. I don't know if I used the word  
13 "special," but many of them have a distinctive  
14 role; for example, when I described the use of  
15 rep\_ID, R-E-P underscore ID, that plays a  
16 different, one might say "special role," insofar  
17 as it's -- this is what we were talking about  
18 earlier as a canonical ID, at least within the  
19 bounds of this dataset and related tables where  
20 it's present for every record.

21 It's unique in the sense that it never  
22 appears twice, and so we can use it to do certain  
23 things that we couldn't if that column didn't have  
24 those properties.

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1 Q. Okay. With respect to the paragraph 90,  
2 first sentence you say that, "the name field in  
3 the TelexFree dataset gains a special meaning that  
4 it might not have in another dataset." Do you see  
5 that?

6 A. I do.

7 Q. What do you mean by that?

8 A. Essentially, what I go on to say in the  
9 rest of the paragraph. In particular, it's the  
10 only true differentiator of participants, in that  
11 what happens in this dataset is there are  
12 sometimes accounts that match in -- that either  
13 exactly match or a near match, in many of the  
14 other fields of interest other than the name.

15 But if the name is substantially  
16 different, my understanding is, in the context of  
17 how this dataset is intended to be used, they  
18 should be not aggregated.

19 So as I described, if Alice Adams and  
20 Bob Baker are the names for two accounts that  
21 agree closely or exactly on e-mail, cellphone, and  
22 so on, my understanding is that they should still  
23 be considered different.

24 It could be, you know, for example,

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1 family members or housemates that share e-mail  
2 address and phone number, even without respect to  
3 the earlier paragraph 5 that you brought up, and  
4 the fact that somebody shares a phone number with  
5 someone else doesn't make them the same person, is  
6 my understanding.

7 Q. Okay. And the fact that they share the  
8 same street address doesn't make them the same  
9 person; is that right?

10 A. In general, correct, more than one  
11 person sometimes lives at the same street address.  
12 More than one person in either sense. More than  
13 one natural person sometimes live at the same  
14 street address, and sometimes business share  
15 addresses.

16 Q. Individuals could also share e-mail  
17 addresses; is that correct?

18 A. Correct. I know many people who do,  
19 especially, say, older couples.

20 MR. LYNE: That would be me, for  
21 example.

22 BY MR. RONA:

23 Q. So you would agree with me then that if  
24 somebody entered data in connection with TelexFree

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1 using a different name than their own name or a  
2 fictitious name, but all other fields pointed to  
3 them in terms of contact information, that  
4 nevertheless that account should not be aggregated  
5 to that person. Do you agree with that?

6 A. No, once again, I'm not aggregating  
7 accounts to persons, period. I'm aggregating  
8 accounts to other accounts in clusters. The  
9 assignment to persons is a different thing that  
10 might come later.

11 Q. Nevertheless, you wouldn't believe that  
12 that should be clustered with other accounts that  
13 that person entered where that person used his or  
14 her own name?

15 A. In again, when the name differs  
16 substantially, whether it's the same person or not  
17 that entered the accounts, that entered that  
18 information, when the name differs substantially,  
19 my understanding is those are to be considered as  
20 separate clusters.

21 That may not always be achieved due to  
22 the small probability of error, but that is the  
23 goal. Of course, as I described, it becomes  
24 subtler to the extent that the name is more

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1 similar.

2 If you're going to allow for typos to  
3 potentially be aggregated, then there is  
4 necessarily some fuzzy middle ground that has to  
5 be determined by the algorithm.

6 Q. Let's go through a couple of things just  
7 on this sort of general topic. To what extent did  
8 you consider that people could have, let's say,  
9 more than one incarnation of a name?

10 A. To what you mean by "incarnation"?

11 Q. Well, do you have -- based on your  
12 experience, do you have any knowledge that people  
13 can appear in a database with more than one form  
14 of their name and they may all be accurate, but  
15 not necessarily their name can appear in different  
16 ways?

17 MR. LYNE: Objection.

18 A. I do agree that people can change their  
19 names. Sometimes people change last names,  
20 sometimes they even change first names. Sometimes  
21 names are entered in different ways in databases.

22 BY MR. RONA:

23 Q. To what extent do you have any knowledge  
24 of, for example, how people from Spanish-speaking



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1 cultures can have their name appear?

2 A. My general understanding is that names  
3 from Spanish-speaking cultures sometimes involve  
4 more than one family name. Sometimes there's  
5 three or four tokens, as we were saying, where in  
6 English speaking, it might be two or three.

7 Q. Okay. For example, the last name could  
8 have two tokens or one tokens, and it might not  
9 always be consistent; is that right?

10 A. I would question the premise. I don't  
11 know enough to say whether it's fair to call those  
12 two both last names, as I've heard people speak to  
13 family names. I think it also depends on the  
14 specific Spanish-speaking culture.

15 Q. Not using last names, but in terms of  
16 the name tokens, they could have two tokens  
17 representing the family name that they inherit,  
18 but they don't necessarily have to consistently  
19 use both tokens or any one of those tokens; is  
20 that your understanding?

21 A. First of all, I'm not sure if they would  
22 call that the family name that they inherit, as  
23 opposed to two family names which they inherited  
24 from different sources. My understanding is that

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1 they don't have to necessarily list them all in  
2 all occasions.

3 Q. Right, the family names could be merged  
4 from a father and a mother's family names;  
5 correct?

6 MR. LYNE: Objection.

7 A. I think it depends on the circumstances,  
8 but my understanding is that something in that  
9 general direction may sometimes happen.

10 BY MR. RONA:

11 Q. Also that some people use a different  
12 name, as I'll call it, the "first name," that  
13 necessarily isn't their legal first name; are you  
14 familiar with that?

15 MR. LYNE: Objection.

16 A. People write down all sorts of things as  
17 the first -- I mean, first of all, let's back up a  
18 second. You're talking about first and last  
19 tokens.

20 Some -- in some cultures, those are  
21 different anyway; right? In Hungary or sometimes  
22 in Japan or in China, the family names might be in  
23 different orders.

24 Putting that aside, the personal name,

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1 wherever it appears, sometimes people use  
2 nicknames, sure, or other names than their own.

3 BY MR. RONA:

4 Q. They could use a nickname or they could  
5 use, in fact, what might be referred to sometimes  
6 as a "middle name" as their ostensible first name?

7 MR. LYNE: Objection.

8 A. What do you mean by "ostensible"?

9 BY MR. RONA:

10 Q. Well, I'm sure you're familiar with  
11 people like G. Gordon Liddy who introduce  
12 themselves as Gordon Liddy.

13 A. I'm familiar with that, but I'm not sure  
14 that he would have said that Liddy was his first  
15 name. He might have said that he goes by his  
16 middle name. Would he have said that that was his  
17 first name?

18 Q. Do you have any experience or empirical  
19 data on how often people who use their middle name  
20 primarily enter that as what looks like their  
21 first name without any reference that there's  
22 actually another name that's their first name  
23 legally?

24 A. No, I have not seen specific research

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1 about the frequency with which people in general  
2 take the middle name and assert that or use it as  
3 the first name.

4 Q. Also same question, but with respect  
5 to -- you said they use the nicknames. Do you  
6 have -- with respect to TelexFree, did you do any  
7 analysis on or attempt to do any analysis on  
8 whether certain people, certain participants use  
9 nicknames in lieu of a legal name?

10 A. I'm not sure I understand the question.  
11 What I have is the data. Is not the participants,  
12 once again. I have the accounts.

13 Q. Okay. We mentioned Spanish-speaking  
14 cultures. Do you have any experience or knowledge  
15 about any naming convention issues with respect to  
16 Portuguese-speaking cultures?

17 A. My understanding is that many of the  
18 phenomena that we describe are similar. I don't  
19 know the details.

20 Q. There may, in fact, be more than four  
21 tokens if some of the names themselves have two  
22 tokens?

23 MR. LYNE: Objection.

24 A. I agree that some names in the database

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1 have more than four tokens. When you say "names  
2 have more than one token," that, of course,  
3 depends on the definition of "name," but sometimes  
4 place names have, like, "Da" followed by a place  
5 and things like that, sure.

6 BY MR. RONA:

7 Q. In that example that you gave, that  
8 might be functionally one name but have two  
9 tokens?

10 A. I don't know the details of how it's  
11 used, but I would agree that a bunch of characters  
12 followed by a space followed by characters is two  
13 tokens, if those collection of characters don't  
14 need a space themselves.

15 Q. You mentioned that you looked at how  
16 many names had characters that were four or fewer.  
17 And I think you concluded it was only 3 percent;  
18 is that right?

19 A. I don't think that's quite right. I  
20 think it was a more complicated thing I said. Let  
21 me check.

22 Yeah, so I said specifically 97 percent  
23 of the name field values are both five characters  
24 or longer and contain only the characters

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1 described above. The portion that are four or  
2 fewer characters is at least 3 percent but the  
3 actual number might have been smaller. I have to  
4 check.

5 Q. What page did you just read?

6 A. Twenty-six, paragraph 93.

7 Q. So did you do any examination of -- for  
8 names of four characters or fewer, whether any of  
9 those names were believable?

10 A. There's no specific numbers that I would  
11 point out that are in the report, but my  
12 recollection is that, especially with names that  
13 didn't involve Latin characters, it was -- it was  
14 possible to have a name with fewer than five  
15 characters, that seemed quite reasonable.

16 So the point here is not in any way to  
17 insinuate that the 3 percent that don't meet that  
18 criterion are all bad. Rather, it's sort of a  
19 quick way to give a sense that probably the  
20 98 percent of the 97 percent are pretty good.

21 And, in fact, probably some of the rest  
22 are still good, which is why I estimated that in  
23 at least 95 percent of the accounts, well-aware  
24 that some of the things not meeting that criterion

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1 were actually still good.

2 Q. would one example of a name that is four  
3 characters or fewer that is still good would be  
4 one where somebody used Chinese characters?

5 A. It depends on the instance. You might  
6 have a reasonable Chinese name that consists of  
7 one Chinese character followed by a space,  
8 followed by another Chinese character.

9 Q. In your review of the TelexFree  
10 datasets, were there such names?

11 A. I would have to check about that  
12 specific situation that I described with three  
13 characters, but I think there were things  
14 generally that form.

15 Q. Well, were there Chinese characters?

16 A. Yes, there were Chinese characters.

17 Q. Okay. You describe in your report that  
18 you did a truncation as to "rep\_login." Do you  
19 recall that?

20 A. Yes.

21 Q. And I believe you said in your report  
22 that you truncated to the first four characters;  
23 is that right? Or -- I'm looking at page --

24 A. I believe so. I think.

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1 Q. -- forty-five?

2 A. Forty-five, yes.

3 Q. Forty-four, 45.

4 A. Yes, so four characters, the first four  
5 or the first up to four, but I don't recall if  
6 there were any that were fewer than four.

7 Q. Okay. Could you explain why you  
8 selected four?

9 A. Yeah, so I explain in detail in  
10 paragraphs 123 and 124. Here, as in many choices,  
11 there's a tradeoff where you have to balance on  
12 the one hand being able to find potentially more  
13 matches, and on the other hand not throwing away  
14 useful information.

15 So obviously, first of all, as I  
16 explained, the rep\_login field is unique to each  
17 user account. This is the property also of  
18 rep\_ID. Any two accounts that are different have  
19 a different rep login. You will never have an  
20 exact match.

21 That's not a problem for rep ID, but  
22 ideally you would like to match rep login based on  
23 being similar. On the other hand -- so you can't  
24 match anything exactly.



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1 On the other hand, if you were to just  
2 look at, say, the first character and match that,  
3 that would be clearly throwing away some useful  
4 information. So the goal is to achieve a balance.

5 So I describe how I went through looking  
6 at both truncations at the beginning and  
7 truncations at the end, both of which are standard  
8 things to do and given the shape of the actual  
9 data, truncating at the beginning and for length  
10 of four seemed to be the best balance of sort of  
11 achieving this goal of matching while not throwing  
12 away information needlessly.

13 Q. And finding that balance, was that done  
14 mathematically?

15 A. Yes, in the sense that for each of those  
16 numbers, I ran experiments looking at the  
17 distribution of those initial or final segments.  
18 And then in addition to looking at those numbers,  
19 also to be sure that I was making a reasonable  
20 choice, I did a manual review of a representative  
21 sample.

22 Q. Okay. Would you agree with me that to  
23 the extent that more than one person had a rep  
24 login that began with TelexFree, that truncating

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1 to the first four characters might take away  
2 distinctions that would otherwise be there; do you  
3 agree with that?

4 MR. LYNE: Objection.

5 A. No, I wouldn't agree with that. Any  
6 truncation takes away information. It's always a  
7 balance, but a large portion of the information is  
8 preserved.

9 In fact, it would only be interestingly  
10 different to take a longer string if there were  
11 many accounts that begin with T-E-L-E and didn't  
12 continue with TelexFree. The details of that, I  
13 would have to check, but it's not clear that  
14 truncating to four removes all that much useful  
15 information.

16 BY MR. RONA:

17 Q. Did you run any calculations as to what  
18 were the most common login prefixes?

19 A. I think probably in the course of  
20 creating the aggregation methodology, at some  
21 point I may have seen groupings with numbers.

22 I don't recall specifically, but with  
23 all alphanumeric things and databases, one tends  
24 to see distribution where some are more frequent

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1 than others. It's not universally distributed,  
2 like birthdays.

3 Q. As part of your analysis, did you  
4 consult any non-TelexFree data that informs as to  
5 rates, common rates of typographic errors made by  
6 users entering data?

7 A. I have a vague recollection that some of  
8 the papers or books that I cite on data cleaning  
9 point to such studies. I don't recall the  
10 specific numbers.

11 Q. Okay. But that's not something that you  
12 specifically looked at for purposes of your  
13 analysis or is it?

14 A. I wouldn't say the specific thing you  
15 asked is something I looked at, but I'm well aware  
16 of how industry and academic standards for  
17 cleaning and data quality suggest guidelines like  
18 90 percent accuracy being more than sufficient in  
19 some cases and rough guidelines like that. I  
20 don't see how specifically knowing the typo rates  
21 would have played into specific choices.

22 Q. Okay. I think you had said that logins  
23 and rep IDs are the two and only two pieces of  
24 data that you looked at that had to be unique; is

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1 that correct?

2 A. That I looked at, I'm not sure. There  
3 were 44 fields in representante table,  
4 R-E-P-R-E-S-E-N-T-A-N-T-E, and then there were the  
5 other tables also.

6 I don't recall which of those fields  
7 were required to be unique by the database or  
8 happen to be unique in their contents, but I can  
9 check over the 11 --

10 Q. Focusing on representante, in that, of  
11 the 44 fields, I think you mentioned that rep\_ID  
12 was unique. And I believe you also testified that  
13 rep\_login was unique. Are those the only two  
14 unique fields of the 44?

15 A. Once again, I couldn't tell you now  
16 because some of the 44 even were largely empty and  
17 it's much easier for a largely empty field to be  
18 unique.

19 Q. Okay. Rep ID was system-created; is  
20 that your understanding?

21 A. By "system," do you mean the database or  
22 the server or a later process?

23 Q. The TelexFree's computer system, when  
24 someone created an account, it generated the rep

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1 ID; is that your understanding?

2 A. I'm not sure I know in specific enough  
3 detail that the way that the database was  
4 connected to the website to answer that.

5 Q. Well, do you know if the user entered  
6 the rep ID themselves? Did they get to choose the  
7 rep ID?

8 A. My understanding is they did not.

9 Q. Your understanding is the user did get  
10 to choose the rep login; is that right?

11 A. Within certain constraints is my  
12 understanding. Among other things it could not be  
13 the same as an existing login.

14 Q. That was a system rule; is that right?

15 A. Again, I don't know whether it was in  
16 place at the database level, the server level, or  
17 how that affects the answer to your question.

18 I do believe it was not the case that a  
19 user could choose to make theirs in conflict with  
20 another just because it wanted to.

21 Q. It was also not a coincidence that you  
22 had unique rep logins. It was your understanding,  
23 was it not, that there was something in the  
24 TelexFree computer system that prohibited

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1 duplicate rep logins?

2 A. That's my understanding.

3 Q. Okay. Are you aware of any other  
4 information that you use for your clustering that  
5 similarly was either system-generated one way or  
6 the other, or was -- had a rule prohibiting or  
7 limiting what the user could enter?

8 A. It depends on what you mean by  
9 "system-generated," and in even subtler sense for  
10 some of these. For example, rep password  
11 secondary, R-E-P, underscore, P-W-D, underscore,  
12 S-E-C-O-N-D-A-R-Y.

13 My understanding is that contained the  
14 hash of the password, so the hash was generated by  
15 some computer presumably on the server side, given  
16 the user's input password, or possibly on the  
17 client side even.

18 But in any case, a computer, not the  
19 person directly, created the hash. I don't know  
20 which way that would answer your question.

21 Q. Okay. Are you aware of any other,  
22 besides the secondary password, any other fields  
23 of information for which the system had some  
24 ability to either limit or bar data entry?

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1 A. Again, I don't know many details about  
2 most of the 44 minus, those 11 plus rep ID. The  
3 one that were largely empty and clearly not  
4 useful, I didn't investigate in too much detail  
5 how they were set up in the database.

6 Q. Okay. But to your knowledge, was there  
7 any form of e-mail verification that took place at  
8 TelexFree when a user created an account?

9 A. What do you mean by "verification"?

10 Q. I take it that you have signed up in  
11 your life for one or more services that required  
12 you to retrieve an e-mail and do something to  
13 verify it to activate your account.

14 A. You mean when they send an e-mail to  
15 that address and I click on it, and only after  
16 that is the account active?

17 Q. Correct.

18 A. I don't know whether there was such a  
19 system in place at TelexFree.

20 Q. Have you seen any information suggesting  
21 that there was e-mail verification?

22 A. I don't recall such a thing in the  
23 portion of the representante that I worked with,  
24 but again, I haven't looked all that closely at

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1 the portions that were not relevant for  
2 aggregation.

3 Q. As part of your clustering, did you  
4 include any accounts that had been partitioned by  
5 Huron as relating to Ympactus or were considered  
6 hybrid?

7 A. No, I did not use them in either the  
8 clustering procedure in the aggregation  
9 methodology or include them in the resulting  
10 clusters.

11 Q. And why not?

12 A. I was instructed to perform an  
13 aggregation on those records that were  
14 attributable to TelexFree starting with those and  
15 to ignore the other portion of the database.

16 Q. Okay. And was it your understanding  
17 that the accounts that were attributable to  
18 Ympactus, that attribution was made possible by a  
19 prior aggregation process conducted by Tim Martin?

20 A. No, my understanding was that involved  
21 something like the currency of payment, not an  
22 aggregation methodology, but again, I haven't  
23 checked the details.

24 Q. Okay. So meaning if -- your



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1 understanding was if an account in some way,  
2 shape, or form had -- was associated with  
3 Brazilian currency, it was excluded from the  
4 TelexFree side of the data?

5 MR. LYNE: Objection.

6 A. I'm not sure I know enough to  
7 specifically verify the first thing you said. And  
8 as for the second thing, it wasn't included before  
9 me. I excluded it upon the direction of  
10 Murphy & King.

11 BY MR. RONA:

12 Q. Okay. I'll take that clarification or  
13 correction for my question.

14 Did you assess, notwithstanding the  
15 instruction to what extent your clustering  
16 methodology would have attributed or clustered any  
17 of those accounts, we'll call them the Ympactus  
18 accounts, to any of the clusters that you created?

19 A. You're saying if, counterfactually, I'd  
20 run the methodology that I didn't?

21 Q. What I'm saying is if you had -- for  
22 example, let's take Maria -- the aggregation  
23 appended to your report, Maria Neves, if there  
24 were specific accounts that had her name, let's

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1 say all four tokens, her e-mail address, her  
2 street address, but for whatever reason had a  
3 Brazilian currency associated with it, that  
4 wouldn't be part of your aggregation -- your  
5 clustering; isn't that correct?

6 MR. LYNE: Objection.

7 A. Again, I don't know enough specifics  
8 about the currency determination to say, but I can  
9 state once again that those designated as  
10 Ympactus, by whatever means, which I understand  
11 have something to do with currency, those ones  
12 designated Ympactus were not included in the pool  
13 of approximately 11 million, and as such, they  
14 would not appear in any cluster no matter how  
15 similar because they're not part of it.

16 Similarly, records and databases that  
17 are not even pertaining to this case don't end up  
18 there. The only thing that can end up in the end  
19 result is the ones that I started with, which is  
20 the approximate 11 million.

21 BY MR. RONA:

22 Q. Okay. My question then, bearing in mind  
23 that you ran your methodology against the 11  
24 million accounts, when you were done, did you do

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1 any testing or further analysis to see if,  
2 hypothetically, you had included the Ympactus  
3 accounts, or let's say, even the accounts for  
4 which there was no paid invoice, would any of  
5 those accounts be clustered to your output?

6 MR. LYNE: Objection.

7 A. I'll state again, I started with  
8 subsetting the approximately 17 million to  
9 approximately 11 million, and only ever worked  
10 with those 11 million for purposes of aggregation  
11 methodology.

12 BY MR. RONA:

13 Q. So is it a shorter way to answer my  
14 question just to say, no, you did not out of  
15 curiosity or any other reason, attempt to look at  
16 the excluded accounts above the 11 million to see  
17 how those would have been handled in your  
18 clustering?

19 A. Did I look at them? I mean, my eyes  
20 glanced over them for sure in that it wasn't on  
21 the first day of the case that I was instructed to  
22 ignore everything that was Ympactus or hybrid. I  
23 did see some of them.

24 My general sense is that the data

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1 quality is broadly similar, of course, I couldn't  
2 speak to specifics. And then for the purposes of  
3 the methodology, I excluded them before running  
4 aggregation methodology. And in particular, I did  
5 not do the hypothetical experiment that you  
6 described.

7 Q. You wouldn't be able to say today or,  
8 you know, at any point in this case that any of  
9 those accounts could or could not have been  
10 included in your clusters if you reran the process  
11 with them included?

12 A. I definitely wouldn't say that. Today,  
13 there's many hours after this. It is certainly  
14 possible to do what you're saying. I have not yet  
15 done it.

16 It's possible for me to do today. It's  
17 possible for me to do before the end of the case.  
18 I haven't been asked to and so I haven't yet, but  
19 I can't speak of what will happen the rest of  
20 today.

21 Q. You haven't done it.

22 A. I definitely haven't done it yet, as  
23 I've said five times.

24 Q. Okay. And do you have any opinions

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1 about or thoughts about whether, based on your  
2 experience in the industry or in the field,  
3 whether it was appropriate to exclude Ympactus  
4 accounts or unpaid invoice accounts?

5 MR. LYNE: Objection.

6 A. It's appropriate to work with the  
7 dataset that the person asking you to work with  
8 has worked with. I've been asked to work with  
9 that subset of the dataset. If I had been asked  
10 to work with everything, I would have.

11 BY MR. RONA:

12 Q. Does your report, at the list that  
13 appears at the end of your report, does that list  
14 all the materials that you considered? We can  
15 actually maybe pull it up, if I can remember which  
16 page it is.

17 Appendix 2, "Materials Considered."  
18 Page 100 of the PDF. Does that list everything  
19 that you considered in connection with providing  
20 your opinions in this case?

21 A. It's a complete list, to my knowledge,  
22 of what I considered, from my understanding what  
23 it means to consider materials. Obviously, I read  
24 books on the subject before starting the case. I

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1 didn't list every Google search that led me to  
2 find these and so on.

3 Q. Is this intended to be a complete list  
4 of the case-specific materials that you  
5 considered?

6 A. To the best of my knowledge.

7 Q. Are you aware of -- having prepared for  
8 your deposition -- well, did you prepare for  
9 today's deposition, Dr. Freer?

10 A. Yes.

11 Q. I take it you reviewed your report a few  
12 times.

13 A. Yes.

14 Q. Did you look at this list also?

15 A. Yes.

16 Q. Okay. So in having reviewed this list  
17 in preparation for your deposition, do you see  
18 anything that wasn't disclosed that maybe in  
19 hindsight should have been?

20 A. I don't think so. It certainly includes  
21 all of the materials that are directly ingredient  
22 to the methodology, the relevant court materials,  
23 and all of the papers and books that I cite or  
24 substantially influence my thinking.

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1           As I said, I can't guarantee that this  
2 includes everything even tangentially related to  
3 this type of work that I thought about at some  
4 point.

5           Q.    Okay. You have a paper on optimal  
6 approximate sampling from discrete probability  
7 distributions; is that correct?

8           A.    Correct.

9           Q.    To what extent does that -- the ideas  
10 discussed in that paper, to what extent do they  
11 relate to any of the work that you did on  
12 TelexFree?

13          A.    It's indirectly related in that there's  
14 many discrete probability distributions throughout  
15 this case, and there's some common understanding  
16 of mathematical objects that plays a role in both  
17 that research and this. The specific tasks that  
18 it's carrying out is quite different from what's  
19 going on in detail here.

20          Q.    Okay. In terms of data consistency, I  
21 want to go back to that for a second. We had  
22 talked about your work for Remine, which I believe  
23 was looking -- trying to find data at the  
24 homeowner or at the house level; is that a fair

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1 summarization?

2 A. I'm not sure what you mean by "trying to  
3 find data."

4 Q. The focus, I believe you testified, in  
5 your work for Remine was trying to create usable  
6 pools of data built around either individual  
7 homeowners, so one record per homeowner, or  
8 individual homes, one record per home; is that  
9 right?

10 A. Not quite right. So the property  
11 database was of residential properties, homes and  
12 condos and things of that sort.

13 An apartment building might be listed  
14 only once for the whole apartment building. My  
15 recollection is that the individual human records,  
16 they were one per adult in the U.S., whether or  
17 not they owned a property.

18 Q. Okay. If an owner owned more than one  
19 property, would they still only have one record?

20 A. Modulo data inconsistencies, my  
21 expectation would be one record in the database of  
22 persons. To the extent that they also appear  
23 incidentally as not the main fields of the  
24 property, then they would appear multiple times.



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1 Depends on which database you're talking about.

2 Q. Okay. To what extent did you consider  
3 the fact that a person could have in TelexFree  
4 more than one address, street address?

5 A. What do you mean by "consider"? I'm  
6 aware of that fact.

7 Q. Well, to what extent did your  
8 probability calculations, if at all, take into  
9 account that somebody could have different  
10 addresses that pertain to them that mathematically  
11 are about as far apart as you can get?

12 A. The methodology naturally accounts for  
13 that. For example, if somebody -- if there were  
14 two accounts that had, for example, identical  
15 name, identical e-mail, identical cellphone  
16 number, but very different addresses, depending on  
17 the circumstances that might be sufficient to  
18 aggregate them.

19 And so, you know, it depends on the  
20 quality of matches on the other fields, but it  
21 certainly is and was possible for records for  
22 accounts with very different addresses, but  
23 otherwise similar information, to be aggregated.  
24 In that sense, it accounts for that possibility.

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1 Q. You didn't employ any methods to try to  
2 determine if there was any relationship between  
3 addresses that otherwise appear to be dissimilar,  
4 meaning common ownership or -- or differences,  
5 sequential differences in time?

6 A. Not entirely, but sometimes the entire  
7 methodology is a way of determining it. If you  
8 want to know whether someone has two or more  
9 properties, you can infer that in many cases from  
10 the high-quality output of this. At some level,  
11 that was one of the main things I was doing.

12 Q. Would you agree to the extent the other  
13 fields had variation, the use of different, but  
14 appropriate, street addresses could end up putting  
15 two accounts in a different cluster even if they  
16 might belong to the same person?

17 MR. LYNE: Objection.

18 A. It all depends on the circumstances. I  
19 couldn't say without more information how to  
20 answer that specifically.

21 BY MR. RONA:

22 Q. Okay. Let's go through your steps a  
23 little bit here. We talked a lot about the  
24 beginning. What did you do for -- it says step

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1 2 -- this is page 43 of your report -- "Field  
2 Cleaning." what did you do for field cleaning,  
3 step 2?

4 A. Those I described, for each field, I  
5 created a new field that consisted of cleaned  
6 information of what was in that field.

7 So, for example, rep\_nome, R-E-P,  
8 underscore, N-O-M-E, I transformed that to a new  
9 field called clean\_rep\_nome, C-L-E-A-N,  
10 underscore, rep\_nome.

11 And likewise for each of the 11 fields,  
12 other than rep\_ID. Rep\_ID obviously doesn't need  
13 to be cleaned. It's already distinct address. I  
14 described how, depending on the field I cleaned it  
15 in either relatively simple or more elaborate ways  
16 depending on the circumstance.

17 Q. Does your report indicate all the ways  
18 you clean -- I'm not interested in the details for  
19 this question. I just want to know, is it all in  
20 your report or are there aspects of the cleaning  
21 that aren't necessarily revealed in your report?

22 A. It's generally in the report but the  
23 details of some of these depend on specific  
24 implementation of things in the code, so it's

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1 all -- I believe it's all mentioned in the report,  
2 but that doesn't mean that you could produce  
3 something that's identical to it without looking  
4 at the code.

5 Q. Did you provide the code in this case to  
6 my side?

7 A. I believe I have, yeah, it was not at  
8 the same time of the report.

9 Q. Okay. Next step, so just on the steps,  
10 I skipped step 1, because I think we talked about  
11 it. Step 2, field cleaning. Step 3 is the  
12 deterministic step.

13 Is it correct that that step simply  
14 grouped accounts that were, by a standard that you  
15 set, deemed to be essentially identical?

16 A. No, I wouldn't say essentially  
17 identical, but overwhelmingly likely to be  
18 aggregated. So specifically it's requiring exact  
19 agreement on the clean values of the first eight  
20 of the fields; the 11, other than the password,  
21 CFP, and date of birth.

22 If you agree exactly on those eight,  
23 that's not to say you're near identical. You  
24 might differ substantially on the other three.

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1 If you agree exactly on those eight, it  
2 still is overwhelmingly likely that, in any  
3 reasonable methodology, you would end up  
4 aggregated whether or not you agree on the  
5 remaining ones.

6 Q. Did you do any review of the other three  
7 fields to determine whether there were any sort of  
8 superficial obvious flaws in your approach to  
9 grouping accounts through a deterministic step?

10 A. I'm not sure what you mean. The whole  
11 idea is there can be and will be more than one  
12 value. If somebody uses a different password on  
13 their second account, I don't think that's a flaw.  
14 It's just a fact that they used a different  
15 password on that account.

16 For example, maybe they used each login  
17 name as the password and they would differ for  
18 each of them. That's not a problem. In fact,  
19 it's a good reason to not consider password when  
20 considering which to amalgamate upon in the  
21 system.

22 Q. I believe you said that one of the three  
23 that you didn't require a match of the clean data  
24 was date of birth; is that right?

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1 A. That's right.

2 Q. Okay. And so I guess my question is  
3 focusing just on date of birth, did you do a  
4 review to see if there were any account groupings  
5 that had inconsistent, as opposed to blank, dates  
6 of birth?

7 A. I don't recall doing that calculation  
8 specifically, but I think, as with all three of  
9 those fields, there were sometimes variability or  
10 at least the potential for variability. I'd have  
11 to check if and when it actually occurs and how  
12 often.

13 Q. Let's go to blocking.

14 A. Excuse me, I should also note, though,  
15 that your exclusion of "as opposed to blank," is  
16 actually key because requiring a match on the  
17 eight fields that I did consider plus date of  
18 birth would have required that they agree in  
19 whether or not they have the date of birth.

20 In fact, this was a very common  
21 circumstance that some records contained a date of  
22 birth and other records that were similar in other  
23 respects did not.

24 And that's not an inconsistency in the

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1 sense that you're asking about, but, in fact, it's  
2 quite common that it just wasn't present, to that  
3 extent, it's immanently reasonable to group them.

4 Q. It's your understanding that there were  
5 certain fields like date of birth that were, for  
6 whatever reason, allowed to be left blank?

7 A. I'm not sure what you mean by "allowed."  
8 It is definitely the case that some fields were  
9 sometimes blank if that's what you're asking.  
10 That was my understanding.

11 Q. Okay. Let's talk about blocking. I  
12 think I understand, to my limited ability, the  
13 purpose for blocking, but could you just explain  
14 in brief terms how you determined the approach  
15 that you were going to use for blocking?

16 A. Sure. So just by way of background, the  
17 reason for blocking is often that it's  
18 computationally infeasible or not reasonable on a  
19 reasonable computing cluster and reasonable amount  
20 of time to actually consider all possible pairs of  
21 records.

22 This is towards assessing a pairwise  
23 match between a pair of records, and this can  
24 happen with datasets that are merely a few million

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1 in size.

2 That's large in some sense, but when you  
3 look at the number of pairs between a million  
4 records and a million records, if you're matching  
5 it to itself analogously here, that's already half  
6 of a trillion pairs and, in fact, the numbers are  
7 even more enormous here.

8 The idea is to determine some subset of  
9 the overall set of possible pairs that are likely  
10 to include the overwhelming majority of pairs that  
11 should be considered for pairwise matching.

12 As with all these things, there's  
13 somewhat of a tradeoff because if you wanted to be  
14 absolutely sure, the only way would be to include  
15 everything, in which case you're not doing  
16 blocking, but, you know, if you don't include  
17 enough pairs, then you run the risk of excluding.

18 And so with this step especially, it's  
19 important to err on the side of including more  
20 rather than including less, and not necessarily a  
21 problem for the methodology because later on,  
22 you're still assessing them pairwise and the  
23 matches or likely non-matches will still be found.

24 The idea is to come up with a set of



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1 rules that is likely to include the overwhelming  
2 majority of pairs that should be considered for  
3 later pairwise assessment, and so that's what I do  
4 via a sequence of rules.

5 Q. Right, those rules referred to  
6 collectively as a "blocking set"?

7 A. I believe so or "blocking scheme."  
8 There's various terminology in the literature.  
9 And as I as point out in footnote 57 on page 50,  
10 some of the literature considers each of the  
11 blocking steps themselves as blocking.

12 And then you're indexing by disjunction  
13 and there's a bunch of inconsistency. Sorry, you  
14 asked about blocking set. No, blocking set I use  
15 to refer to the set of pairs that result from  
16 running the blocking scheme.

17 Q. Okay. So the output?

18 A. Sorry.

19 Q. It's okay. You can call it a blocking  
20 scheme. But the output is what you refer to as a  
21 blocking set; is that right?

22 A. Yes, the blocking set is a collection of  
23 pairs that blocking results in.

24 Q. Okay. In this case, how many blocking

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1 sets did you produce?

2 A. One blocking set.

3 Q. Just one. Did you have any iterations,  
4 drafts, tentative, exploratory block sets that  
5 maybe you looked at and either discarded or didn't  
6 use?

7 A. Did I have -- certainly these rules were  
8 not the first thing that popped into my head. It  
9 required examining this carefully, like at all  
10 aspects.

11 When I answered your earlier question  
12 about how many sets did I have, I was describing  
13 the methodology. The methodology produces a  
14 blocking set, which then goes on to the next step.

15 Q. My question was: How many attempts did  
16 you make at producing the blocking set that you  
17 ultimately came up with?

18 A. I'm not really sure what counts as an  
19 attempt. How many thoughts did I go through in  
20 formulating this sentence? It's a gradual process  
21 that involves iteration.

22 At least one would be part of any  
23 reasonable answer. I don't know how I would --  
24 how I would divide that process into some

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1 number larger than that.

2 Q. Apart from the planning part or the  
3 preimplementation part, my question is: How many  
4 different iterations did you run before you said,  
5 "This is the goldilocks blocking set"?

6 A. I'm not sure that I could answer that  
7 definitively. There's exploration that seems  
8 tentatively good enough to run the rest of the  
9 methodology.

10 There's iteration that, like, clearly  
11 needs improvement. It's all -- I don't know how  
12 to ascribe a number to it. The process of R&D is  
13 kind of flexible that way.

14 Q. Understood. Is any of that sort of  
15 tentative or pre, sort of, going prime-time work  
16 output, was any of that turned over to my side?

17 A. No, I gave you the code necessary to  
18 reproduce the aggregation methodology.

19 Q. Okay.

20 MR. LYNE: Can we break for five minutes  
21 just as a restroom stop?

22 MR. RONA: Sure.

23 (whereupon, a recess was taken.)

24 BY MR. RONA:

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1 Q. So I want to turn now to, I lost the  
2 page. I had it. In your report, page 43. The  
3 next several steps, do all of those, let's say,  
4 the next three or four steps after blocking, are  
5 all of those part of the pairwise probabilistic  
6 matching?

7 A. You're referring to five and six?

8 Q. Yeah, well, is that the matching process  
9 done in steps 5 and 6?

10 A. Depend on what you mean by "matching."  
11 The matching probabilities are computed in step 6.  
12 Arguably, the matching doesn't happen until the  
13 dynamic clustering has been determined, or  
14 arguably, not even until the account groupings are  
15 merged back in step 9.

16 So all of the pairs under consideration  
17 at six are already account groupings because this  
18 is post the deterministic step.

19 Q. So after blocking is the first step that  
20 you did to contemplate the vectors that you used?

21 A. Yes, after blocking, step 4, is step 5,  
22 the calculating likelihood of field agreement, and  
23 that determines the comparison vector for every  
24 pair that's in the blocking scheme.

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1 Q. I don't want to get bogged down in the  
2 stuff that will be over my head, but you used --  
3 and I'm not sure I'll pronounce it correctly, but  
4 is it Fellegi Sunter?

5 A. Fellegi or Fellegi, but we can call it  
6 "FS."

7 Q. Okay, FS. What is that, just in very  
8 brief terms?

9 A. Yeah, so it's a methodology for  
10 probabilistic record linkage that goes back  
11 several decades and is quite well-established as  
12 the standard with various variations for this type  
13 of record linkage.

14 And basically it involves creating  
15 pairwise assignments of records on the basis of  
16 how much they agree on the different fields, where  
17 furthermore in this version that I'm using with  
18 expectation maximization, EM, it's able to do this  
19 in an unsupervised way without having the need for  
20 labeling ground truth data.

21 Q. Ultimately, using this method there's  
22 a -- it's not a percentage, right, but it's a  
23 numerical score, so to speak; is that right?

24 A. I mean, to the extent that the numerical

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1 score is between zero and one, you can express it  
2 as a percentage.

3 Q. Okay. But that reflects the calculation  
4 of probability; is that right?

5 A. In some sense, yes. With this, as in  
6 all sorts of probabilistic models, one has to be  
7 careful with how exactly one interprets the  
8 meaning of probability.

9 Larger numbers that are closer to one or  
10 closer to 100 percent are deemed more likely to be  
11 matches by the model, and those closer to zero or  
12 zero percent are deemed less likely to be matches  
13 by the model.

14 Q. Again, the matches that you're referring  
15 to have to do with the similarities between the  
16 two things being compared, without saying that,  
17 you know, that, for example, it was the same  
18 person who entered both pieces of data; is that  
19 right?

20 A. I'm not sure what you're asking about.  
21 I mean, there's no person involved in this. It's  
22 based on the data, if that's what you're asking.

23 Furthermore, the person didn't enter  
24 this data. This is the account grouping at this

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1 point. It's already a more complicated object  
2 than anything a person necessarily touched.

3 Q. The account grouping and the probability  
4 calculations that you do have to do with whether  
5 the accounts, the data should be grouped together,  
6 not necessarily that you could identify that it  
7 was the same person who entered all of that data?

8 A. It's not the accounts, it's the account  
9 groupings. The procedure is done on the basis of  
10 the contents of the account groupings. The  
11 computer does not go out and interview someone, if  
12 that's what you're asking.

13 Q. Okay. And similarly, you could have --  
14 well, put it in simpler terms, you could have  
15 agreement to a high degree of probability even  
16 though maybe data was entered by different people;  
17 right? would you agree with that?

18 MR. LYNE: Objection.

19 A. Again, I don't know what you mean by  
20 "data entered by different people." Like, it's an  
21 account grouping, not an account we're talking  
22 about. As I said before, the computer is looking  
23 at the contents of it. It doesn't know anything  
24 beyond the contents of the records.

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1 BY MR. RONA:

2 Q. Okay. One person could enter data that  
3 results in different account groupings that appear  
4 to be dissimilar; is that right?

5 MR. LYNE: Say that again, I'm sorry?

6 MR. RONA: Cynthia, could I ask you to  
7 read that back?

8 (Record read)

9 MR. LYNE: Objection.

10 A. I don't know what you mean by -- you're  
11 saying one person, you're asking if I know what  
12 was in place on the server that would or would not  
13 have allowed the user to create accounts that then  
14 hypothetically feed into a different way in the  
15 steps?

16 Any number of things are possible. I  
17 don't think I have enough information to answer  
18 that.

19 BY MR. RONA:

20 Q. What I'm trying to maybe establish in  
21 simpler terms is that the calculation of  
22 probability between different account groupings  
23 operates independently of the person or persons  
24 that might have entered that data.



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1 A. I'm not sure what you mean by  
2 "independent." I mean, if -- like, if persons  
3 enter their own information consistently across  
4 all accounts that they create, then it's, of  
5 course, not independent of that.

6 Q. But if they're inconsistent or used some  
7 unknown methodology to produce different field  
8 entries, that would -- your methodology wouldn't  
9 be able to pick that up?

10 MR. LYNE: Objection.

11 A. It's hard to say what the methodology  
12 would pick up. As I said before, in aggregate the  
13 methodology does pick up implicitly a lot of  
14 interesting structure.

15 It's true that the computer is not  
16 independently a lie detector on a process for data  
17 it didn't see entered. How could it be?

18 BY MR. RONA:

19 Q. And you use the phrase "scoring rubric,"  
20 I believe.

21 A. Yes.

22 Q. What's a scoring rubric?

23 A. So the idea is that -- I want to be sure  
24 I'm using the terminology in the same way. which

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1 page?

2 Q. Twelve.

3 A. Oh, way back to 12.

4 Q. You have different, it appears on  
5 page 12, page 13, and page 14, I believe.

6 A. Oh, I see. Yeah, so this may have been  
7 less formal in the explanation of the method  
8 generally. I wasn't sure if I used that term.

9 what I am referring to on page 12, 13,  
10 and 14, the idea here, which is more general than  
11 the FS method specifically that we were talking  
12 about, is that if there's multiple fields.

13 A particular method might say that  
14 agreement on some fields is worth more than others  
15 and describe how to combine that information into  
16 an overall assessment of how similar the accounts  
17 are.

18 In the case of FS, and especially FS-EM,  
19 with the EM extension that I was describing, that  
20 rubric, that scoring rubric is still present in  
21 some sense, but it's created automatically by the  
22 FS-EM method, essentially letting the data speak  
23 for itself in determining which fields are more  
24 important to use and to what degree in the overall

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1 rubric.

2 Q. Okay. I'm just trying to remember if  
3 somewhere in your report you talk about using 80  
4 as a scoring rubric.

5 A. I'm not sure what you're referring to.

6 Q. Okay. We can move on.

7 Exhibit 4 to your report, which I'm  
8 going to find. It's page 116 in the PDF. What is  
9 being depicted in this table?

10 A. Yes, so I describe exactly how I  
11 selected it in the report, and I could look up the  
12 details of how it was randomly chosen.

13 But the general idea is to show a bunch  
14 of pairs of cleaned values of the rep end field,  
15 representing that portion of the address, along  
16 with, in this case, JW Sim, S-I-M, referring to  
17 Jaro-Winkler.

18 This is a way of measuring how similar  
19 strings are that's particularly appropriate to  
20 working with these kind of address components.

21 So this illustrates how very similar but  
22 not identical address or address components, or  
23 their clean strings rather, near the top have high  
24 value of JW Sim.

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1 And pairs for which the strings are  
2 quite different, like near the bottom, have much  
3 lower JW Sim. And I believe I also use this to  
4 illustrate the way in which I selected for this,  
5 but also many other expert decisions about various  
6 cutoffs and thresholds, how that was done.

7 Q. Okay. And just for the record, the  
8 JW Sim, that's one of at least three different  
9 ways that you can calculate a similarity for a  
10 data field; is that right?

11 A. Yes, I mean, there's considerably more  
12 than three in general in the literature, but yeah,  
13 I believe there are three that I ended up choosing  
14 as the basic ingredients for potentially more  
15 elaborate use for assessing similarity for both  
16 blocking and for the rubric calculation to  
17 calculate gammas in step 5.

18 Q. Just looking at Exhibit 4, I think one  
19 of the observations you made was that 92 and up is  
20 a pretty good match; is that correct?

21 A. That sounds correct. Let me find the  
22 paragraph where I refer to it.

23 On page 61, yes, so I say observed to  
24 the extent of agreement among those pairs, 92 and

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1 higher is generally quite high, even if not  
2 perfect, and I would stand by that.

3 Q. Okay. And, but even above 92, so I'm  
4 looking at Exhibit 4, if you look at row 5, what's  
5 in agreement is "shenyang" or near agreement; do  
6 you see that?

7 A. Yeah, "shenyang" and "shenyagn."

8 Q. Shenyang is -- I don't know, did you --  
9 to what extent did you look up those addresses as  
10 part of your -- or these places as part of your  
11 work?

12 A. Not in a systematic way, but in the  
13 course of assessing the field quality and  
14 determining cutoffs, I did Google some of these to  
15 get a sense of whether it was likely to be an  
16 address or city or neighborhood, things of that  
17 sort.

18 As I describe in the report, it wasn't  
19 entirely consistent the way that people used the  
20 rep\_end or rep\_numero or other address components  
21 that I did not include.

22 And so, especially depending on the part  
23 of the world, it may have been used in different  
24 ways in different places. I think what ultimately

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1 matters for the aggregation is the consistency  
2 between otherwise similar records, but yes, this  
3 was used in different ways at different times.

4 Q. Agreeing on Shenyang, would you agree  
5 with me, is not terribly specific because Shenyang  
6 is a large city in China; is that right?

7 A. I would disagree. It depends on the  
8 context in the dataset. It may be actually a very  
9 small portion of records are from Shenyang, in  
10 which it might have substantial discerning power.

11 The beauty of the method is it  
12 determines this automatically without needing  
13 subjective judgments by me or others.

14 Q. Okay. And if you look at row 8, it's  
15 possible to get a high JW Sim value where one is a  
16 street name and the other is a street name and a  
17 street number; is that right?

18 A. I don't know for sure what's going on in  
19 that particular case, but what you described is  
20 possible certainly. There's many ways to have  
21 strings that are larger in agreement.

22 Also JW Sim, as I described, one of the  
23 reasons that it's particularly well-suited for  
24 this particular application for this field as

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1 opposed to some others is the way in which it  
2 prioritizes agreement near the beginning of the  
3 string, which sometimes, but not always, includes  
4 street number or other important components, but  
5 it depends on the circumstance.

6 Q. Okay. And does that create limitations  
7 in parts of the world where it's not common to put  
8 the number after the street name?

9 A. Not really in my experience. My  
10 understanding, and I think is borne out by the use  
11 of this, the rep\_end and rep\_numero field together  
12 include most of that information in the vast  
13 majority of cases, and it depends on where in the  
14 world.

15 In the part of the world where an  
16 address number is often likely to come later or be  
17 viewed different from the street part of the  
18 address, in such cases that's likely to appear in  
19 rep\_numero, and therefore, it's included anyway.

20 In parts of the world like the U.S.  
21 where the number is considered as part of the  
22 address, it was often included at the beginning of  
23 rep\_end, in which case it wouldn't be a problem  
24 either.

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1 My sense is that by including rep\_end  
2 and rep\_numero, it actually accounts for most of  
3 the cases that one cares about.

4 Q. Prior your investment in TelexFree, have  
5 you done this type of work with any datasets that  
6 had extensive data from outside -- relating to  
7 users or demographic information relating to  
8 outside of the U.S.?

9 A. Yes, there was an exploratory project at  
10 Remine involving some datasets from Japan which  
11 have an extremely different address structure.

12 For example, addresses there, the number  
13 often increases based on when the building was  
14 built in sequence to the others in a small  
15 neighborhood, rather than numbered consecutively.  
16 There's many other things that different  
17 interestingly about Japan street addresses.

18 Q. Prior to TelexFree, had you done any  
19 work in cases that involving data that pertain to  
20 more than one country?

21 A. Yes, in Remine, I used both U.S. and  
22 Japanese data.

23 Q. I believe you said you did an  
24 exploratory project looking at Japan. My question



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1 is: Did you do any type of analysis for data that  
2 commingled multiple countries?

3 A. I don't recall details, but my sense was  
4 that in Remine data, we were sometimes looking at  
5 Canadian data as well.

6 Q. Okay. Let's go to page 61 of your  
7 report.

8 A. Okay.

9 Q. This is where you talk about a J Swim  
10 [sic] of 92 or higher being quite high. There are  
11 two footnotes on that page.

12 A. Yes.

13 Q. Footnote 61 says, "The selection of a  
14 distance function and a proper threshold is...a  
15 knowledge intensive activity that depends  
16 experimental evaluation." Do you see that?

17 A. Yes.

18 Q. I take it you agree with that statement.

19 A. Yes.

20 Q. And when it says "knowledge intensive,"  
21 what is referred to there?

22 A. I take it to include some amounts of  
23 background knowledge about what the intent of the  
24 field is to represent; for example, when I

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1 described about rep\_end versus rep\_numero and so  
2 on and how it was used in that dataset, and also  
3 especially to include the specific contents of the  
4 particular dataset.

5           You can't expect to choose either the  
6 choice of function or the specific cutoffs or  
7 thresholds without reference to the specific  
8 dataset in question.

9           Q.   And then experimental evaluation, is  
10 that referring to that process of trial and error?

11           A.   I'm not sure I would characterize it as  
12 trial and error. Certainly one needs to try  
13 various things and see what ends up working best.  
14 A lot of this is such that, as I describe in the  
15 other footnote, there's a range of reasonable  
16 choices and perhaps none of them are errors, but  
17 some are even better than others.

18           And so you need to look at what the data  
19 looks like, decide on the basis of that and how  
20 various similarity functions perform with respect  
21 to it, which function to use, and then to dial in  
22 from there reasonable cutoffs looking at how it  
23 actually behaves with respect to that dataset.

24           Q.   In the process of determining which is,

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1 among reasonable cutoffs, might be the best, do  
2 you save or some somehow create a record of the  
3 different outputs that can be derived?

4 A. Do I, meaning, do I generally as a  
5 matter of practice?

6 Q. Well, sure, let's start there. As a  
7 matter of practice, do you save those?

8 A. Not necessarily. The nature of this is  
9 that it's deterministic with respect to a fixed  
10 dataset. And so if at any point you want to know  
11 how JW Sim with a cutoff of 92 looks versus ratio  
12 or W ratio, W-R-A-T-I-O, two of the other methods,  
13 with other cutoffs, you can run that on the  
14 dataset.

15 You can select a sample of 100, like I  
16 have here. You can do that in a reproducible way  
17 by fixing a seed. At any point, you can do that  
18 whether or not it's been recorded, what I happened  
19 to look at interactively.

20 Q. To the extent that there are variations  
21 in the output depending on what cutoff you use, do  
22 you, as a matter of practice, make notes of those  
23 differences or simply say that because they may  
24 appear small, that there's no need to revisit

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1 any -- what any other cutoffs might have  
2 generated?

3 A. I'd say neither of those. Like, I  
4 didn't record every single step that -- every  
5 single candidate choice for this or most of the  
6 other aspects of the R&D, but I did more than  
7 simply record the final thing I chose.

8 In particular, in some case there's,  
9 like, you don't need to take my word or the  
10 process for it. You can simply run it yourself  
11 with that function and a different threshold or  
12 with a different function and the result will be  
13 the same as what it was for me. Like, the choice  
14 speaks for itself.

15 It also happens that the result is not  
16 especially sensitive to small choices in this,  
17 which is a useful robustness property, but it's  
18 not for that reason alone that I only record the  
19 final answer. It's also that you can regenerate  
20 at any point and so on.

21 Q. Let's say hypothetically if you were to  
22 be contacted by an alleged net winner who was  
23 curious how the cluster that is assigned to them  
24 might have changed if different cutoffs were used,

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1 would your answer be, A, I have it saved on my  
2 computer somewhere; or B, I don't have it saved on  
3 my computer, but you would be free to rerun the  
4 analysis and use whatever cutoffs you wanted?

5 A. I think hypothetically that happened, C,  
6 I would refer them to counsel, but as for the  
7 implicit question about what is possible to do, as  
8 I already stated, it's certainly possible to  
9 assess for any particular pair of records what the  
10 cutoff or what the value of JW Sim is.

11 That you can do in one line on your own  
12 computer without reference to the full database.  
13 You can run JW Sim on whatever strings you choose.

14 On the question how that affects the  
15 overall methodology, like I said, I'm confident  
16 that it's relatively small changes that happens.  
17 When you make small changes in these parameters,  
18 could one, in principle, literally rerun it with a  
19 changed threshold, of course, one can rerun it  
20 however.

21 Q. I guess this question and the next  
22 question involve these words that you're using.  
23 How did you determine that they're small changes  
24 that would result?

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1           A.     So the idea is if you -- I'd say two.  
2     One, understanding the principles of how the  
3     method works and why it's likely, in theory -- or  
4     the principles of why, in practice, it's likely to  
5     be a small change. And two, actually  
6     experimentally evaluating it.

7                     The principal reason is, in part,  
8     because this is the input -- when you create a  
9     threshold and then you assign the gamma score  
10    accordingly, which is sort of the varying degrees  
11    of partial credit for that field, the output of  
12    that, those gamma values are themselves input to  
13    the FS-EM algorithm.

14                    If you change the threshold, that leads  
15    to different partial credit, it will change on the  
16    margin slightly those assignments of gamma values,  
17    but FS-EM automatically takes that into account in  
18    doing its grouping.

19                    If you were to choose 90 instead of 92,  
20    it doesn't even matter that much. They have  
21    different notions of being very good.

22                    In the aggregation methodology FS-EM  
23    will adjust accordingly to consider it to be,  
24    therefore, not quite as valuable to be very good,

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1 "very good" means 90 or above, as "very good"  
2 meant 92 or above in the other circumstance. It  
3 dynamically recalibrates anyway. That's the  
4 principled reason.

5 Also in practice, I've seen in the  
6 course of many runs of this and various other  
7 changes, obviously not every change one could  
8 possibly make, but in the course of changing and  
9 dialing these values, I've seen it does, in fact,  
10 have a very minor impact on the result, both in  
11 absolute terms and also compared to other choices  
12 one can make.

13 For example, cleaning the data  
14 appropriately or choosing an appropriate choice of  
15 fields in the first place. That might have a much  
16 larger impact. Everything, of course, has some  
17 impact, but this is really quite small on those  
18 considerations.

19 Q. Is the smallness determination that's  
20 sort of empirical, is that done mathematically or  
21 simply sort of by using your eyes to sort of scan  
22 the output?

23 A. It can be done both ways. I did often  
24 visually inspect the output as sort of a sanity

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1 check. I wasn't relying entirely on the numerical  
2 outputs. There's all sorts of numerical and  
3 mathematical outputs that one can assess from a  
4 resulting clustering.

5 when a clustering is produced, there's  
6 summary statistics of the sort that appear in  
7 Exhibit 5, that one can produce. There's looking  
8 at stratifying the clusters in different ways.

9 There's all these different mathematical  
10 things one can do. That's not to say that I was  
11 aiming for that to appear in a particular way but,  
12 rather, in the course of doing multiple runs with  
13 different design choices, it's quite  
14 straightforward to see the extent to which it  
15 changes something or not.

16 Q. On footnote 62, I think you talk about  
17 those choices. And obviously, there's multiple  
18 choices one could choose from, and you write at  
19 the last sentence that "the overall probabilistic  
20 record linkage process is not especially sensitive  
21 to the details of this choice, so long as the  
22 decisions are made reasonably."

23 Do you see that?

24 A. Yes.



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1 Q. Are there standards that govern what is  
2 a reasonable or not reasonable choice?

3 A. Yeah, so one thing that I would say is a  
4 sense of reasonableness is that it's based on the  
5 numerical score in order.

6 It would be quite unreasonable to say  
7 that you like even numbers, and so if rounded to  
8 the nearest integer it would give you something  
9 even, I'll assign that gamma of two, and if it's  
10 odd, I'll assign it gamma of one.

11 The method still might be okay by virtue  
12 of the other fields have enough information, but  
13 you're not going to learn a lot based on the  
14 parity of the integer rounding of that.

15 But something that is reasonable is  
16 to -- in fact, there's often a fairly specific  
17 prescription for this kind of thing. If you look  
18 at the Enamorado et al. paper, that's the closest  
19 academic research to this method.

20 They describe something quite similar to  
21 what I do, where you might have a top level for  
22 exact agreement or not, depending on the  
23 circumstance, followed by a bin for very close  
24 agreement, followed by maybe another bin for

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1 moderate agreement, followed by another bin for  
2 not particularly good agreement.

3 One principle might be that you want the  
4 bottom one to include things that are not  
5 particularly likely to be a match. Again, as I  
6 said, it's fairly flexible and robust to any  
7 number of choices in this respect.

8 Q. Okay. Let's talk about clustering a  
9 little bit, and specifically, I think I want to  
10 focus on transitive closure. What is transitive  
11 closure?

12 A. Transitive closure is a mathematical  
13 term that has a more general meaning of which this  
14 is a specific instance. So you say that a  
15 property or a relation that can hold two objects  
16 is transitively closed.

17 If it's the case that -- so let's say  
18 it's symmetric. To keep things simple, so the  
19 relation is such that if A is related to B, B is  
20 related to A. For such a relation, you say it's  
21 transitively closed, if whenever A is related to  
22 B, and B is related to C, then A is also related  
23 to C.

24 For example, A, the key object here is a

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1 partition, in our case, a clustering of accounts.  
2 A partition relation where you say that two  
3 records are related to one another if and only if  
4 they're in the same cluster of the clustering, the  
5 same part of the partition, that is always  
6 transitively closed.

7 That follows mathematically from the  
8 definition of a clustering that we said. Recall  
9 that a clustering is a set of clusters such that  
10 every record appears in exactly one; right?

11 So the relation of appearing in the same  
12 cluster as another record is such that if A is in  
13 the same cluster as B, and B is in the same  
14 cluster as C, then A is in the same cluster as C.  
15 That is a property of clustering.

16 And so insofar as the goal, the  
17 assignment is to create a clustering of accounts,  
18 that relation of being in the same cluster as  
19 another record, another account is going to be  
20 transitively closed.

21 Now, within the record-linkage  
22 literature or data-matching literature as it's  
23 variously called, some methods -- in fact, most I  
24 would say, that are relevant for this and as I

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1 describe in the introductory section also can be  
2 formulated in terms of first assigning pairwise  
3 match scores, whether you interpret them as  
4 probabilities or otherwise.

5 Or in fact, assigning pairwise matches,  
6 which is not to say assigning non-match to the  
7 other pairs, but you've said these are definitely  
8 matched, whether on the basis of probability or  
9 otherwise.

10 You take the transitive closure, which  
11 means forming the smallest transitively closed  
12 relation that contains the one you start with.

13 You might also call this the sort of  
14 simplest partition, the least-refined partition.  
15 That's consistent with any two accounts that are  
16 determined to be pairwise matched to be in the  
17 same cluster. In that sense, it's a lifting of a  
18 pairwise match assignment to an entire clustering.

19 Q. I'm not sure I'm following, but is  
20 transitive closure inherent in clustering or is  
21 that something that someone like you can impose on  
22 the methodology?

23 A. It's inherent if by "clustering," you  
24 mean the type of object that I said we defined as

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1 a clustering. It is the case that any clustering  
2 is transitively closed, in that the relation of a  
3 record being in the same clusters as another, that  
4 is a transitively closed relation.

5 The answer has to be transitively closed  
6 one way or the other. This taking the transitive  
7 closure operation doesn't do anything. It doesn't  
8 change a pairwise match if this is already  
9 transitively closed, but it creates one that is  
10 transitively closed whether or not the input  
11 pairwise assignments are.

12 And so one very common technique in the  
13 literature is to first assess pairwise matches and  
14 then lift that to a clustering.

15 Q. Okay. But would you agree with me that  
16 in this case, two accounts that might end up being  
17 clustered together and transitively closed, I  
18 guess, or partitioned -- you've used various  
19 phrases -- still nevertheless could have had  
20 mathematical relationships with other accounts  
21 that didn't make it into the cluster?

22 A. What do you mean by "mathematical  
23 relationship"?

24 Q. Meaning there could have been other

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1 account groupings that had some similarity as  
2 well; right? You're not saying it's black and  
3 white; right? would you agree with me that  
4 there's some shades of gray as to which accounts  
5 appropriately belong together?

6 MR. LYNE: Objection.

7 A. I'm not sure this has much to do with  
8 transitive closure. It is the case in the FS  
9 technique, as I used, that these match  
10 probabilities or match scores between accounts  
11 groupings are numbers between zero and one or  
12 between zero and 100 percent, and they're not all  
13 zero and not all one, if that's what you're  
14 asking.

15 BY MR. RONA:

16 Q. Well, what I'm saying is just to use  
17 hypothetical here that you have two accounts that  
18 end up being in the same cluster and they're at,  
19 let's say, 90, okay, score of 90 with respect to  
20 each other.

21 You're not saying that there aren't  
22 other accounts for which maybe there were similar,  
23 but maybe slightly lower scores; is that right?

24 A. It depends on the specific technique,

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1 but I believe in my methodology it is possible  
2 that you could have two account groupings in one  
3 cluster that have a score of 90, and such that  
4 there's another account grouping not in the  
5 cluster that has a score of 80 with one of the  
6 things in that cluster. That's certainly  
7 possible.

8 Q. Okay. Are you familiar with  
9 observations, if not maybe criticisms, of  
10 transitive closure that transitivity can lead to  
11 problems and that chains of records that were --  
12 that you have chains of records where objects at  
13 the end are not actually similar, even though  
14 they're part of the same chain?

15 A. I believe I'm familiar with the general  
16 phenomenon that you're talking about. In some  
17 sense, the whole ten or so pages of the dynamic  
18 clustering process is designed to address that.

19 Q. Is that the way you address problems  
20 that can result from transitivity, the dynamic  
21 clustering?

22 A. In some sense, yes, the idea is that, I  
23 guess there's other aspects one can use to address  
24 it indirectly as well, but the idea is that if it

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1 were -- if the dataset were as simple as -- you  
2 know, imagine you partition a dataset into  
3 clusters and it was, you know, 90 match within  
4 every cluster pairwise, and 70 match between -- or  
5 30 match or something substantially lower between  
6 the different clusters.

7 well, then it would be quite simple in  
8 some sense. You could -- or at least possible to  
9 potentially find a fixed threshold where you say,  
10 "Okay, 85 and above, you're grouped, and not  
11 otherwise."

12 whereas, in fact, there's heterogeneity  
13 in this dataset, where some parts of the dataset  
14 do look something like that, I wouldn't say "ideal  
15 situation" but easier-to-deal-with situation.

16 In other parts, there is a greater risk  
17 of chaining, as you were describing it. And, of  
18 course, if A is joined to B is joined to C is  
19 joined to D and so on, by reasonably high numbers,  
20 but A is not joined to Z at the end by reasonably  
21 high number, it would be bad to include A and Z at  
22 the same time.

23 So there's a tradeoff, as with all of  
24 these choices, but it's possible with dynamic



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1 methods, like I described, to balance things in a  
2 way that you ideally avoid that chaining issues in  
3 those situations where it occurs without  
4 simultaneously messing up the cleaner situations.

5 Q. And you used the word "chaining." I  
6 take it this is a well-known topic of discussion  
7 within the field, how to guard against it; is that  
8 right?

9 A. I'm not sure that I would say well -- I  
10 mean, people are aware of it. It's not one of the  
11 primary things that people discuss in the usual  
12 framing of this, but certainly some people are  
13 aware of it and it is -- I agree it's an important  
14 thing to pay attention to.

15 Q. And if you were maybe giving a lecture  
16 to students about chaining, would the example of  
17 Maria Neves, Maria Lares, and Rita Lares, would  
18 that be an example of what chaining look like?

19 A. I couldn't speak to that particular  
20 example. My general sense is that the  
21 circumstance one is interested in -- one is  
22 interested in avoiding is actually a situation  
23 that's quite dramatic and not at all like one  
24 you're referring to.

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1           So imagine that you had a bunch of  
2 records. I don't know that it occurs somewhere in  
3 this dataset or any particular other one.

4           But if you had, let's say, in a  
5 synthetic dataset, you created many things that  
6 were 51 percent match, and many things that were  
7 49 percent -- it's going to be hard to give the  
8 details.

9           You can certainly have a situation where  
10 you have very dramatic chaining artificially. It  
11 would look very different from the circumstance  
12 you're referring to, I believe.

13          Q. Okay, but would it produce situations  
14 where there might be superficial differences that  
15 would be similar to the Maria Neves versus Maria  
16 Lares versus Rita Lares?

17          MR. LYNE: Objection.

18          A. No, I don't -- I can't speak to that  
19 specific thing. What I'm pointing to is something  
20 different from that where it's vastly gross  
21 differences across, not just across many fields at  
22 once, but with a large number of records.

23          The situation can be quite bad. I've  
24 been careful to guard against it. I don't believe

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1 it's like the thing you're gesturing to.

2 BY MR. RONA:

3 Q. Are you familiar with EPOC?

4 A. The English word?

5 Q. Well, are you familiar in the TelexFree  
6 world with a claim process referred to as EPOC and  
7 a resulting database?

8 A. Oh, I do recall vaguely having heard  
9 about this. I haven't studied it in detail.

10 Q. I take it you haven't looked at EPOC  
11 data specific in this case.

12 A. I don't believe so.

13 Q. I take it then that you haven't run any  
14 type of comparison or validation analysis with  
15 your work versus EPOC; is that correct?

16 A. I'm not sure I would know what that  
17 would entail, the EPOC-produced clustering.

18 Q. What do you know about EPOC? Let's  
19 start there.

20 A. Not much. E is electronic?

21 Q. Yes, and POC is proof of claim.

22 A. Yeah, I was somewhat aware that there  
23 was some process before I became involved and that  
24 I didn't interact with at all that involved some

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1 way for alleged participants to indicate agreement  
2 or not in some way with some assignment. I don't  
3 believe it interacted at all with how I choose  
4 assignments or that any of my data was used in  
5 such a thing.

6 Q. Are you aware that in EPOC, users were  
7 also given the opportunity besides whether --  
8 apart from whether they agreed or didn't agree  
9 with the grouping of accounts, could also add  
10 additional accounts unilaterally to their  
11 grouping?

12 A. I'm not sure what you mean by  
13 "unilaterally." If you told me that's the case, I  
14 would have to take your word for it. I don't know  
15 many details about it.

16 Q. Do you also have any awareness of  
17 whether the person claiming the accounts could  
18 sign it, sign their claim using a legal name that  
19 maybe differed from the name or names in various  
20 permutations on the account that were grouped to  
21 that person?

22 A. I don't know anything about that. I  
23 could take your word for it.

24 Q. would that have been an interesting

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1 opportunity to maybe cross-check your analysis  
2 against what inputs actual participants had in  
3 terms of this process of trying to determine how  
4 we aggregate accounts?

5 MR. LYNE: Objection.

6 A. I don't think so. I mean, it's  
7 possible, of course, to do any number of things  
8 with the aggregation that I produced with or  
9 without my consent. You have the data. But yeah,  
10 I don't -- my job was to create a reasonable and  
11 reliable automated methodology.

12 BY MR. RONA:

13 Q. Okay. Let's talk about John Williams a  
14 little bit. You're familiar with the 62,000  
15 accounts that have, as the name, John Williams?

16 A. First of all, I believe it was, yes, so  
17 the 62,725 accounts that I described in that step,  
18 but I don't think it's correct to characterize  
19 that as all of the user accounts with that name.  
20 This is a specific subset.

21 When I say, "Other than the set of  
22 accounts," I'm referring back to the specific ones  
23 that also have the other properties.

24 Q. I appreciate that clarification.

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1 Meaning there might be other accounts that have  
2 the name John Williams, but are not subject to  
3 this phenomenon that you observed?

4 A. My recollection, there was a small  
5 number, possibly just one, that's not referred to  
6 in the -- if you look at the diagram on page 43,  
7 what's described by shorthand as "62,725 John  
8 Williams Records," that specific set of John  
9 Williams' records with that property that, I  
10 guess, in either step 3 or step 4, I describe the  
11 reason for excluding them.

12 I guess paragraph one -- paragraph 158.  
13 Oh, I see. Sorry, again, I can't tell from your  
14 pronouncing it, the capitalization. I have a  
15 vague recollection that maybe the other one that  
16 one might read as John Williams had a different  
17 capitalization.

18 Q. Putting that aside, you observed a large  
19 number of accounts that had as the name John  
20 Williams, is that correct, that you felt you had  
21 to handle differently?

22 A. I'm not sure whether I would  
23 characterize 62,000 as a large number in the scale  
24 of 11 million or so, on its own, but yes, they did

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1 have to be handled differently because how they  
2 would create an issue for a blocking.

3 Q. Okay. And did you also, you know, in  
4 terms of believability, did you also consider it  
5 believable that one person can create 62,000  
6 accounts?

7 A. Yes, it seems immanently believable that  
8 they were all created by -- by the same party by  
9 virtue of how extremely similar they were on all  
10 of their fields, as I described in paragraph 158.

11 Q. Okay.

12 A. In fact, this is one of the most certain  
13 groupings of any of them and it's for that reason  
14 that I felt it was more than reasonable to make  
15 that determination as the one that wasn't done in  
16 an automated way.

17 Q. Well, do you have any opinion whether  
18 there was one and only one person who was behind  
19 the 62,000 accounts?

20 A. Not excepting the usual sense by which  
21 the goal is to amalgamate similar accounts into a  
22 cluster. Obviously, I have no way of knowing  
23 whether it was one person, a team, a computer. I  
24 mean, again, I have only the data.

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1 Q. Okay.

2 A. But the similarity of the records is  
3 extremely similar even in the context of other  
4 high-quality clusters.

5 Q. Okay. Well, did you take into account  
6 whether it's humanly possible for one person over  
7 two years, assuming some time for sleeping and  
8 eating and using the bathroom, to create 62,000  
9 accounts?

10 A. It's obviously possible.

11 Q. Okay.

12 A. How many characters have I typed -- I  
13 mean, we're not talking about quadrillions or  
14 something?

15 Q. Are you familiar with Mailinator?

16 A. To some extent.

17 Q. What is Mailinator?

18 A. My understanding was that it's a domain  
19 name of an e-mail address -- or a service that  
20 provides e-mail addresses with that domain, which  
21 I don't recall the details of the extent to  
22 which -- like, how one creates a large number of  
23 e-mail addresses with that domain, but it has  
24 something to do with creating anonymous e-mail



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1 accounts, I believe.

2 Q. Anonymous or disposable; right?

3 A. Or perhaps. I don't recall details of  
4 the system.

5 Q. In your prior work outside TelexFree, do  
6 you have experience with dealing with anonymized  
7 or disposable e-mail addresses as a  
8 more-than-insignificant factor?

9 A. Factor in my life?

10 Q. Well, in your analysis.

11 A. In my analysis of what outside of  
12 TelexFree?

13 Q. Yeah, prior to TelexFree, have you ever  
14 dealt with any appreciable quantities of  
15 anonymized or disposable e-mail addresses?

16 A. I don't think so, but it wouldn't have  
17 been relevant to either the financial or  
18 residential property datasets or I don't think  
19 that was -- I don't recall if there were e-mail  
20 addresses in the personal records associated with  
21 the residential records.

22 Q. Many of the accounts under John Williams  
23 have some permutation of a street address that I  
24 believe is 534 Warry, W-A-R-R-Y, Lane. Does

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1 that -- do you recall that?

2 A. I wouldn't say a permutation of it.  
3 It's rather, as I described, the numbers are all  
4 different and, or there's many different numbers  
5 that occur. I don't know that they're all  
6 distinct. And it always ends in the Warry Lane.

7 As I described, those are -- all 62,725  
8 accounts end in Warry Lane for rep\_end, and have a  
9 Mailinator.com domain; and furthermore, they are  
10 the only accounts in the entire collection of  
11 almost 11 million that have those two properties.

12 Q. Right. As part of your work, did you  
13 attempt to see if there is, in fact, a Warry Lane  
14 somewhere in the United States?

15 A. I don't recall whether I checked.

16 Q. Okay. By the way, I think you said it  
17 before, but I want to put the question before you  
18 cleanly.

19 As part of this process, you didn't talk  
20 to any participants of TelexFree; correct?

21 A. Not to my knowledge. Certainly not  
22 knowingly in the course of the work.

23 MR. RONA: I'm going to mark some other  
24 exhibits. I guess we can set aside your report.

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1 I think we've covered that.

2 MR. LYNE: Estimate?

3 MR. RONA: I just want to go through a  
4 couple additional exhibits.

5 THE WITNESS: Five minutes?

6 MR. RONA: I'll be more than 15 minutes  
7 so if you want to take a five-minute break now,  
8 that's fine. If you want to power through it.

9 THE WITNESS: A five-minute break sounds  
10 good, thank you.

11 (Whereupon, a recess was taken.)

12 MR. RONA: So I want to mark an exhibit  
13 here.

14 (Marked Exhibit 3)

15 BY MR. RONA:

16 Q. This is a two page e-mail string and  
17 I'll just first ask you if you recognize this  
18 document.

19 A. Yes.

20 Q. Okay. And that is the lower half, the  
21 earlier e-mail is from you using your MIT e-mail  
22 account; is that correct?

23 A. That's right. It looks to me like this  
24 whole thing is Jean-Louis' e-mail to me that

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1 quotes my earlier e-mail.

2 Q. Okay. Who is Jean-Louis?

3 A. Jean-Louis Sorondo, S-O-R-O-N-D-O, is at  
4 Huron Results Group and he was my main and only  
5 point of contact for technical questions regarding  
6 the dataset and who provided me with the datasets.

7 Q. Okay. And is Jean-Louis Sorondo with  
8 Huron?

9 A. He was at the time. I assume so still.

10 Q. Okay. And there's also a person named  
11 Mark Meras who's copied.

12 A. Correct.

13 Q. Who's Mark Meras?

14 A. Mark Meras is Borelian professional who  
15 assisted me with setting up the large servers and  
16 helping to run some of the large parallel  
17 computations.

18 Q. Okay. This e-mail from -- the one that  
19 Jean-Louis is responding to, so from you at the  
20 bottom of the page, refers to a "lado field." Do  
21 you see that?

22 A. Yes.

23 Q. Did you do any analysis of or make any  
24 use of the lado field?

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1 A. I did a little analysis, which is what  
2 led to this question. I did not ultimately make  
3 use of it for reasons I describe in the report.

4 Q. Okay. And what was your understanding  
5 what the lado field contained?

6 A. My understanding is that in some way was  
7 related to triangular transactions. I still don't  
8 fully understand the left versus right branch.

9 But I understand enough to know that  
10 it's not relevant to ascertaining identities of  
11 people, and instead involved their relationship in  
12 the scheme in some way, not who they were.

13 Q. Okay. Well, you have an awareness that  
14 TelexFree is alleged to be both a Ponzi scheme and  
15 a pyramid scheme; is that right?

16 A. Yes, that's my understanding.

17 Q. One aspect of the pyramid component is  
18 that each participant was encouraged to recruit  
19 other people underneath them in what would become  
20 a pyramid-like structure. Do you have awareness  
21 of that?

22 A. Roughly, though, I'm not sure that the  
23 "underneath them" fits the same metaphor as "left  
24 and right" here.

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1 Q. Are you aware that in TelexFree, your  
2 downlines would be referred to as your "left side"  
3 and your "right side"?

4 A. No, I wasn't aware of that detail.  
5 You're saying there's two different accounts, one  
6 left and one right.

7 Q. Yeah, have you seen anywhere, references  
8 to a binary system in TelexFree?

9 A. I don't think so.

10 Q. So binary -- assume for my question that  
11 "binary" means that each participant, in order to  
12 get the benefit of having downlines, has to fill  
13 two positions below them; one referred to as "the  
14 left," and one referred to as "the right."

15 A. What's the distinction between the two?

16 Q. The distinction is -- well, for purposes  
17 of my question, the distinction is that it's  
18 arbitrary, but you have to have both positions  
19 filled.

20 My question is: If you knew that a  
21 participant, in order to get the benefits of  
22 having recruited someone, actually has to recruit  
23 two people; one assigned to the -- arbitrarily to  
24 the left, and one assigned to the right, would

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1 that have had any impact on your attempts to  
2 determine participant either identity or  
3 relationship?

4 A. No, my understanding was not that it was  
5 guaranteed that such relationships would  
6 necessarily be a different person, whether or not  
7 it was required. And so it would be of no use in  
8 determining which was which person.

9 Q. Okay. Okay. Let's set that aside. I'm  
10 going to try to move quickly through these. I  
11 appreciate your efforts to keep your answers on  
12 point, as I'm trying to keep my questions concise.

13 A. Sure.

14 MR. RONA: This will be marked as  
15 Exhibit 4.

16 (Marked Exhibit 4)

17 BY MR. RONA:

18 Q. Let me know when you have that.

19 A. It's 18 pages.

20 Q. And I'm not really going to ask you  
21 about all 18 pages, but if you want to look  
22 through it, you can, but I'm only going to ask you  
23 about a few parts of this.

24 A. Is this all one message with many quoted

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1 replies or is this multiple messages printed as a  
2 single thread?

3 Q. I will -- this was, I believe, produced  
4 in this fashion. I don't know if I can comment on  
5 which of those it is, but it does appear to be an  
6 e-mail chain.

7 A. Okay.

8 Q. I'll just put it that way.

9 A. Which page should I look at --

10 MR. LYNE: Page 6 is handwritten.

11 A. I believe that was something that  
12 Jean-Louis scanned and included in his --

13 BY MR. RONA:

14 Q. That's the page I wanted to get to.  
15 That thing that was handwritten that was scanned  
16 on page 6, you recall reviewing this before?

17 A. Yes, briefly.

18 Q. Okay. And what did you interpret this  
19 to be showing you?

20 A. As Jean-Louis said, he described this as  
21 a sample of how promoters kept their records. And  
22 you can see the relationship in the representante  
23 table.

24 And what I took from this is what I just



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1 said; namely, that it isn't necessarily helpful  
2 for determining which accounts are attributable to  
3 which person, as opposed to relationships that  
4 they had in the hierarchy of recruiting.

5 Q. Okay. Well, was there some need in this  
6 case in TelexFree, to understand the recruiting or  
7 promoter/promotee relationship in part because of  
8 the possibility, and I think the acknowledged  
9 practice, that certain fields in the account  
10 information could be inverted; meaning, a  
11 promoter's information could appear in the  
12 promotee's account or a promotee's information  
13 could appear in the promoter's account?

14 MR. LYNE: Objection.

15 A. Not to my understanding. My  
16 understanding of Jean-Louis using this had to do  
17 more with the other aspects like net equity  
18 calculation or things that I wasn't involved in.

19 BY MR. RONA:

20 Q. As far as you were concerned, all the  
21 talk about left sides and right sides and things  
22 that seem to touch on the pyramid aspects of this  
23 weren't of any particular interest to you; is that  
24 correct?

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1 MR. LYNE: Objection.

2 A. Not sure what you mean "of interest." I  
3 mean, I just described how I ascertained its  
4 irrelevance, but I was interested in its  
5 irrelevance because, like all of the 44 fields, I  
6 went through them systematically to see which were  
7 relevant.

8 I wanted to make sure I understood  
9 enough about this to know that it was not  
10 relevant, and I was therefore interested in it.

11 MR. RONA: We can set that aside. I'm  
12 going to show you what's going to be marked as  
13 Exhibit 5.

14 (Marked Exhibit 5)

15 BY MR. RONA:

16 Q. This is a seven-page e-mail string.  
17 This is how it was produced. I haven't combined  
18 anything. You can look through it and then tell  
19 me when you're satisfied if you're able to  
20 recognize, tell me whether you recognize this  
21 document.

22 A. Yeah, I recognize it.

23 Q. Okay. And the top, the first page has  
24 an e-mail from Jean-Louis Sorondo to you in July

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1 of 2021. Do you see that?

2 A. Correct.

3 Q. Do you remember an issue concerning  
4 either potential data loss or some need to go back  
5 to an earlier version of data? Do you remember  
6 that?

7 A. By whom?

8 Q. By Huron.

9 A. I don't recall data loss by Huron.  
10 There's the -- somewhat subtle situation he  
11 described in the first bullet point. I don't  
12 recall data loss.

13 Q. What was the subtle situation that he  
14 described?

15 A. He describes how -- let me read it.

16 Q. Would it help if we went to your e-mail  
17 that he's responding to on page 3?

18 A. Perhaps.

19 Q. Let's do that. Top of page 3, there's  
20 an e-mail from you referring to 11.8 million of  
21 the 17 million records having a null value for the  
22 secondary password field?

23 A. Yeah, I don't think that's related to  
24 the other points you were asking about, but I

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1 could answer questions about that as well.

2 Q. Okay. well, okay, what do you think the  
3 question was referring to?

4 A. I think he was just explaining how and  
5 why it was taking him some time to get the virtual  
6 machines, the VMs from which the tables were  
7 exported.

8 So I remember confirming that the four  
9 tables that I was working with seemed plausibly to  
10 be the same contents as what was on the VM.

11 And then as he explains, the content is  
12 the same across, but he wanted to make sure I had  
13 a copy of everything that might be relevant.

14 And this is explaining why there was  
15 some delay in getting the VMs that were the  
16 ultimate source of those data tables, but I don't  
17 think there's anything of any interest in terms of  
18 the aggregation there.

19 Once I confirmed that the data tables  
20 matched what was available on the VMs, I didn't  
21 consider them further.

22 Q. There's a reference to a "deprecated  
23 table." In your field, what does "deprecate" mean  
24 when it refers to data?

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1 A. I don't believe it was a deprecated  
2 table. I believe it was a deprecated string in  
3 the final name of one of the VMs.

4 Q. Okay.

5 A. And I think that was the question that  
6 he was actually answering in number one. So I  
7 asked, why does one of the VMs have the string  
8 "deprecated" in it, which indicates that it may  
9 not be the most recent version.

10 And he explains in bullet point one --  
11 I'm not sure I can do any better than reading to  
12 you what it says, but I believed what he said.

13 Q. In any event, you were satisfied about  
14 his explanation?

15 A. Yeah, it seemed that, as he was saying,  
16 there was nothing interesting to say about the  
17 content, but for completeness he was just showing  
18 all of the ultimate sources of the same data that  
19 I had been using all along.

20 Q. Okay. I'm going to keep moving. You  
21 can set that aside. Try to go quickly here.  
22 Let's go to Exhibit 6.

23 (Marked Exhibit 6)

24 BY MR. RONA:

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1 Q. This is another e-mail string as  
2 produced to me. And it might even be related to  
3 the same e-mail string that we saw earlier.

4 A. Oh, I see. This is all one message, but  
5 because it quotes so much, it has substantial  
6 overlap in what it quotes.

7 Q. I'm now going to just ask you about  
8 page 1.

9 A. Okay.

10 Q. This is an e-mail from you to  
11 Jean-Louis. Do you see that?

12 A. Yes.

13 Q. And where you have one more question for  
14 now, it says. There's references to Huron's  
15 amalgamation process. Do you see that?

16 A. Yes.

17 Q. Is Huron's amalgamation process  
18 referring to Huron's aggregation that was  
19 conducted and used in this case?

20 A. Yes.

21 Q. Okay. And did you understand that there  
22 were actually -- there were ultimately 13 steps  
23 that were used, but there were actually 15 steps  
24 that had been done?

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1 A. Yeah, that's my recollection.

2 Q. Okay. And so -- was it your  
3 understanding that each one of those steps, the  
4 output was captured or preserved in some way?

5 A. Yes, I believe one of the tables  
6 described the clustering that resulted at the  
7 intermediate steps.

8 Q. Okay. And so it would have been  
9 possible to look at the state of the amalgamation  
10 maybe at the end of step 11, 12, 13, but also 14  
11 and 15; is that right?

12 A. Yes, but one wouldn't need the dataset  
13 to do that. They described their method and one  
14 could simply do it, but sure, it was present in  
15 one of the tables, I believe.

16 Q. Did you look at those different  
17 iterations or different outputs from the different  
18 steps?

19 A. Not in any detail, but I do recall some  
20 initial questions about the content of what they  
21 did just towards understanding it generally.

22 Q. Okay. And is that the reason that you  
23 were looking at it was to sort of gain general  
24 understanding at a -- I'm guessing at a very

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1 initial phase?

2 A. Yeah, I believe there was one or two  
3 weeks working into the data just getting an  
4 understanding of the case and the dataset I was  
5 trying to understand what they had done.

6 Q. Was there ever any discussion or inquiry  
7 into how your output would relate or might relate  
8 to any of the outputs from any of the steps in the  
9 Huron amalgamation?

10 A. What do you mean, was it discussed;  
11 like, did they discuss it?

12 Q. Were you part of any discussion where  
13 there was -- where the topic of any comparison  
14 between your output and any of the outputs of  
15 Huron were compared in any way?

16 A. Informally, I was somewhat aware of how  
17 the result compared. There's nothing formal  
18 that's part of my --

19 Q. When you say "informally," who did that  
20 comparison that was discussed informally?

21 A. My brain in this incident, it's  
22 impossible to be unaware. I didn't unlearn what I  
23 learned about the Huron dataset or the Huron  
24 result. And so having computed my aggregation, I



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1 was aware of the ways that it differed not just in  
2 methodology, but potentially the results.

3 As one example, outside of my brain, if  
4 you look at Exhibit 5, I produced that in the  
5 format quite similar to an exhibit, maybe even  
6 Exhibit 5 also, of the Stoneturn report.

7 And where possible, I made it in a  
8 similar format to facilitate comparison. The  
9 Huron result was not, in any way input or  
10 providing a guide to how to do my methodology, but  
11 in case it's useful to compare it, I produced this  
12 table in a similar format.

13 Q. Exhibit 5, you're referring to what's  
14 appended to your report?

15 A. That's one of them and the other one is  
16 in the Stoneturn rebuttal. I modeled the format  
17 for this on a table in the Stoneturn rebuttal to  
18 facilitate comparison, but I didn't do a  
19 particularly extensive comparison myself beyond  
20 the kinds of things that are implicit here or what  
21 I was aware of in the course of performing the  
22 methodology.

23 Q. Did you have any concerns about whether  
24 it was maybe better not to know what the Huron

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1 output looked like or did that not factor into  
2 your consideration?

3 A. Did I have any concerns? I mean, I was  
4 handed it near the beginning. I don't know, I  
5 don't recall my emotional state at the time, but  
6 it was impossible to unsee it having been handed  
7 it, if that's what you're asking.

8 Q. All right. We can set that aside.  
9 Let's go to -- this will be marked as Exhibit 7.  
10 (Marked Exhibit 7)

11 BY MR. RONA:

12 Q. Now, in your output files, did you at  
13 any point bring back in or was it always there,  
14 the C13 entry that Huron made?

15 A. What do you mean, "Was it always there"?

16 Q. Well, meaning --

17 A. It's not in the final output.

18 Q. In your output files, do you list the  
19 C13?

20 A. No.

21 Q. Okay.

22 A. No, and as I described in the figure on  
23 page 43, the only two ingredients that play a role  
24 even as input in my methodology that came from

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1 Huron, as opposed to being passed along by them  
2 from a dataset they didn't create, were the entity  
3 and the equity fields of rep\_ID summary, which  
4 played the role I showed there.

5 Q. Okay. That was my only question about  
6 that one. Set that aside. Let's go to Exhibit 8.  
7 (Marked Exhibit 8)

8 BY MR. RONA:

9 Q. This is a six-page e-mail string as  
10 produced to me, and you can look through it if  
11 you'd like, but I'll just first ask if you  
12 recognize this document as an e-mail chain that  
13 you were part of?

14 A. I believe so, except I don't think I've  
15 seen a version that had work product excised in  
16 this way.

17 Q. And the e-mail on the first page at the  
18 top is a response by Andrew Lizotte to an e-mail  
19 that you sent; is that correct?

20 A. That's correct, yes.

21 Q. We're in November 2021.

22 A. Mm-hmm.

23 Q. And I'm sorry, you have to just sort of  
24 say "yes" or "no."

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1 A. Yes, correct.

2 Q. Question one that you wrote at the  
3 bottom was, "what was the methodology from going  
4 from a Huron-generated cluster to the name of the  
5 defendant (i.e., how would you pick who to sue  
6 given a cluster, when the cluster involves  
7 multiple names)?"

8 Do you recall writing that question?

9 A. I do.

10 Q. Okay. Why were you asking that  
11 question, do you recall?

12 A. My recollection is that at the time it  
13 wasn't clear to me if the task I was assigned was  
14 merely to aggregate the accounts as I did or also  
15 to do the additional step that we've discussed,  
16 which I did not do, of choosing a particular --  
17 either a particular record within the cluster or a  
18 particular choice of values for each field.

19 In fact, that was not what I was tasked  
20 with, but at the time I wasn't sure and I was  
21 curious how it was done in the Huron case, because  
22 that didn't seem to be part of their described  
23 methodology either.

24 Q. Okay. Well, at this time in November of

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1 2021, had there been discussions between you and  
2 Murphy & King about whether the scope of your  
3 assignment would include this additional step of  
4 taking the link or the group data and applying it  
5 to individual people?

6 A. You're asking before this time?

7 Q. Yeah, as of the moment you wrote this  
8 e-mail on November 3rd, had you been part of  
9 discussions where that was -- that issue was  
10 discussed as a possibility?

11 A. Not that I recall. My sense is that I  
12 sent this because it was ambiguous because we had  
13 not discussed it. And it turned out subsequent to  
14 this discussion that that was not part of what I  
15 was charged with doing. But I don't recall that  
16 we specifically discussed it one way or the other  
17 before.

18 Q. This is now a hypothetical question, but  
19 if it had been part of your assignment if Andrew  
20 Lizotte had replied, you know, "I don't know, but  
21 that's why you're the expert, you figure it out,"  
22 would you have done anything additional or perhaps  
23 differently than what you did?

24 MR. LYNE: well, I'm going to instruct

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1 him not to answer. He's an expert. You want to  
2 engage an expert, you're happy to do so, but you  
3 can't use him as your expert.

4 MR. RONA: I'm not trying to use him. I  
5 think I'm allowed to ask him a hypothetical  
6 question about the scope of his work, and by  
7 definition, things that weren't in his scope, what  
8 those would have entailed.

9 MR. LYNE: I'm going to disagree  
10 respectfully. I'm going to direct him not to  
11 answer that question.

12 MR. RONA: Okay.

13 MR. LYNE: Okay.

14 BY MR. RONA:

15 Q. Do you recall learning from Mr. Lizotte  
16 that the issue didn't really come up in the Huron  
17 analysis because the way that name took the  
18 forefront of the deterministic approach that was  
19 used that, pretty much, there wasn't this -- there  
20 wasn't as much of a need to relate a person to the  
21 name of the grouping. Do you recall learning  
22 that?

23 A. I'm not sure what you mean by  
24 "learning."

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1 Q. Well, let's go to --

2 MR. LYNE: I was just going to say,  
3 objection.

4 BY MR. RONA:

5 Q. Let's go to Andrew Lizotte's response.  
6 Do you see that he says, "Huron never really had  
7 to migrate from a cluster containing multiple  
8 names to a single names because the cluster always  
9 had just one name." Do you see that?

10 A. I see that sentence.

11 Q. Do you recall that -- finding out that  
12 the reason that there wasn't something more  
13 explicit in the Huron analysis was because there  
14 wasn't as much need because each cluster was  
15 pretty much tied to just one name?

16 A. Again, what I meant by "depends on what  
17 you mean by 'learning,'" here I say it depends on  
18 what you mean by "finding out."

19 He's definitely asserting it. I don't  
20 believe it, so I wouldn't say that I learned it  
21 from this. I see that he's saying that.

22 Q. Okay. After this e-mail, were there  
23 further discussions about whether this should be  
24 part of the scope of your assignment or not?

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1 A. "whether this" -- you mean clustering  
2 multiple names to a single name or something else?

3 Q. In terms of your question, "How would  
4 you pick who to sue given a cluster," were there  
5 further discussions about that after this e-mail?

6 A. I don't recall the details except I do  
7 recall being made clear that was not part of the  
8 scope. I'm not sure --

9 Q. I'm sorry.

10 A. I'm not sure how much of a discussion  
11 there was versus just conveying that one-line  
12 message. I don't remember if we discussed it back  
13 and forth, but I was told that, but it was made  
14 clear to me that was not part of the scope.

15 Q. Maybe I have it here. You can set that  
16 aside. Let's go to...

17 (Marked Exhibit 9)

18 BY MR. RONA:

19 Q. There's another e-mail from Andrew  
20 Lizotte. This is a seven-page string. It looks  
21 like you replied to Mr. Lizotte and he replied to  
22 you after in between Exhibit 9 and Exhibit 8.  
23 Does that seem --

24 A. Correct. In fact, that final paragraph



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1 on page 1 is me asserting, "I don't think it's the  
2 case," what you just said, to Andy.

3 Q. This is talking about, on the bottom of  
4 page 1.

5 A. Yes, so that paragraph is what I was  
6 describing a moment ago.

7 Q. Could you just be more explicit, what do  
8 you mean by, "I don't think that's actually the  
9 case"?

10 A. That's precisely regarding the point 1  
11 that we read a moment ago. "Under the 13 step  
12 methodology, Huron never really had to migrate  
13 from a cluster containing multiple names to a  
14 single name because the cluster always had just  
15 one name."

16 Q. I see.

17 A. I was saying, "No, that's not the case,"  
18 and then he responded to that at the top of this  
19 page.

20 Q. Meaning you were factually disagreeing  
21 with the assertion that the Huron analysis pretty  
22 much had a monolithic name output?

23 A. I don't know what you mean by "pretty  
24 much had a monolithic name output," but I'm

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1 disagreeing with what Andy said in the same way I  
2 was saying I didn't believe it a few minutes ago.

3 Q. Is it this e-mail or was it over the  
4 phone, but where did you get the instruction not  
5 to delve into moving from names in the name field  
6 to people that would actually be sued?

7 A. I don't remember when, but it's clearly  
8 not this e-mail because it doesn't say that.

9 Q. Okay.

10 MR. RONA: Can I just take like a  
11 one-minute break and look through my notes?

12 MR. LYNE: Sure. Can we kill this  
13 exhibit?

14 MR. RONA: To the extent that that's  
15 possible, I'll set it aside.

16 (Whereupon, a recess was taken.)

17 MR. RONA: Dr. Freer, thank you. I  
18 don't have any more questions for today.

19 MR. LYNE: So whenever I hear someone  
20 say "any more questions for today," just so you  
21 understand, I consider the deposition closed.

22 MR. RONA: I'm sure I'll have more  
23 questions at a later opportunity.

24 MR. LYNE: At any hearing, that's fair

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1 game. Not in a continued deposition.

2 I need to get a download of the  
3 exhibits. I know there's a way to do it.

4 MR. RONA: I'll put my order on the  
5 record that we would like electronic-only delivery  
6 of a PDF full and mini and exhibits by Friday,  
7 under whatever is the most economical means to get  
8 it by Friday.

9 MR. LYNE: Cynthia, could you send me an  
10 e-mail which just gives me your contact  
11 information so I can get back to you on getting  
12 copies ourselves.

13 (whereupon, a discussion was held off  
14 the record.)

15 MR. LYNE: Ten business days, okay,  
16 electronic copy and a mini.

17 (whereupon, the deposition concluded at  
18 4:42 p.m.)

19  
20  
21  
22  
23  
24

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1 I, Cynthia A. Powers, Shorthand Reporter  
2 and Notary Public in and for the Commonwealth of  
3 Massachusetts, do hereby certify that there came  
4 before me on the 4th day of April, 2023, the  
5 person hereinbefore named, who was by me duly  
6 sworn to testify to the truth and nothing but the  
7 truth of their knowledge concerning the matters in  
8 controversy in this cause; that they were examined  
9 upon their oath, and their examination reduced to  
10 typewriting under my direction; and that the  
11 deposition is a true record of the testimony given  
12 by the witness.

13 I certify that I am neither attorney or  
14 counsel for, nor related to or employed by, any of  
15 the parties to the action in which this deposition  
16 is taken, and that I am not a relative or employee  
17 of any attorney or counsel employed by the parties  
18 hereto or financially interested in the action.

19 IN WITNESS WHEREOF, I have hereunto set  
20 my hand and affixed my notarial seal this 7th day  
21 of April, 2023.

*Cynthia A. Powers*

22  
23 Cynthia A. Powers, Notary Public

24 My Commission expires June 21, 2024

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been delivered to Mr. Lyne.

When the errata sheet has been completed  
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ORIGINAL delivered to Mr. Rona, to whom the  
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In re: Chapter 11 Cases TELEXFREE vs  
FRANZ BALAN

Cameron E. Freer  
April 04, 2023

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1 ATTACH TO THE DEPOSITION OF CAMERON E. FREER

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In re: Chapter 11 Cases TELEXFREE vs  
FRANZ BALAN

Cameron E. Freer  
April 04, 2023

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1 I, CAMERON E. FREER, do hereby certify  
2 that I have read the foregoing transcript of my  
3 deposition, and except for any corrections or  
4 changes noted above, I hereby subscribe to the  
5 transcript as an accurate record of the statements  
6 made by me.

7  
8 \_\_\_\_\_  
9 CAMERON E. FREER

10  
11 On this\_\_\_\_day of\_\_\_\_\_,  
12 2023, before me, the undersigned notary public,  
13 personally appeared CAMERON E. FREER, proved to me  
14 through satisfactory evidence of identification,  
15 which were\_\_\_\_\_, to be the  
16 person whose name is signed on the preceding or  
17 attached document, and who swore or affirmed to me  
18 that the contents of the document are truthful and  
19 accurate to the best of their knowledge.

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In re: Chapter 11 Cases TELEXFREE vs  
FRANZ BALAN

Cameron E. Freer  
April 04, 2023

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1 ATTACH TO THE DEPOSITION OF CAMERON E. FREER

2 DATE TAKEN: April 4, 2023

3 E R R A T A  
4 Page/Line CHANGE

REASON

5 See Attached.

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Freer Errata

Page/Line	CHANGE	REASON
15:18	"analogue" to "analog"	transcription error
19:14	"companies that have" to "companies, that has"	transcription error
22:08	"predicted" to "predictive"	transcription error
22:15	"space or" to "space of"	transcription error
23:09	"was useful" to "was a useful"	transcription error
25:05	"the" to "what"	transcription error
26:21	"which any" to "which, in any"	transcription error
31:10	"predicted" to "predictive"	transcription error
32:01	"makes" to "might make"	transcription error
42:10	"aggravation" to "aggregation"	transcription error
47:11	"sum net equity" to "summed net equity"	transcription error
50:11	"has" to "is"	transcription error
51:24	"sentence" to "sense"	transcription error
52:09	"rep ID summary" to "rep_id_summary"	clarification of table name
52:11	"Is a" to "Is it a"	transcription error
55:16	"sum" to "some"	transcription error
57:01	"table" to "tables"	transcription error
57:06	"equity" to "net equity"	transcription error
57:07	"field" to "fields"	transcription error
58:08	"net equity" to "net equity"	clarification of field name
69:20	"rep ID" to "rep_id"	clarification of field name
69:24	"rep ID" to "rep_id"	clarification of field name
70:04	"scheme" to "schema"	transcription error
71:10	"an" to "in"	transcription error
90:08	"pronounced, as" to "pronounced as"	transcription error
99:7-8	"half measure" to "f-measure"	transcription error
100:8-9	"this link" to "the Splink"	transcription error
103:11	"could" to "would"	transcription error
104:23	"complimentary" to "complementary"	transcription error
106:09	"as, formal" to "a formal"	transcription error
108:17	"the governing bodies" to "a governing body"	transcription error
110:10	"that rep_na" to "that the rep_name"	transcription error
111:06	"to contain" to "if it contained"	transcription error
114:02	"Talking" to "We're talking"	transcription error
114:14	"shortening" to "short-hand"	transcription error
114:18	"Brazilian and Portuguese" to "Brazilian Portuguese"	transcription error

Freer Errata

Page/Line	CHANGE	REASON
116:08	""trades," in" to "trades and"	transcription error
116:08	"things, like" to "things like"	transcription error
133:02	"course, information" to "course that information"	transcription error
134:08	"to" to "a"	transcription error
136:14	"business" to "businesses"	transcription error
137:15	"In" to "And"	transcription error
138:10	"To what" to "What do"	transcription error
139:12	"to" to "of"	transcription error
141:14	"Liddy" to "Gordon"	clarification
143:14	"need" to "have"	transcription error
144:02	"least" to "most"	clarification
144:03	"I have" to "I would have"	transcription error
146:19	"rep login" to "rep_login"	clarification of field name
146:21	"rep ID" to "rep_id"	clarification of field name
146:22	"rep login" to "rep_login"	clarification of field name
137:10	"of four" to "four"	transcription error
137:23-24	"rep login" to "rep_login"	clarification of field name
148:24	"distribution" to "distributions"	transcription error
149:01	"universally" to "uniformly"	transcription error
151:20	"it" to "they"	transcription error
152:09	"in even" to "in an even"	transcription error
152:10-11	"rep password secondary" to "rep_pwd_secondary"	clarification of field name
153:02	"minus, those" to "minus those"	transcription error
153:02	"rep ID" to "rep_id"	clarification of field name
153:03	"one" to "ones"	transcription error
155:08	"included" to "excluded"	transcription error
156:11	"have" to "had"	transcription error
156:20	"approximate" to "approximately"	transcription error
158:04	"aggregation" to "the aggregation"	transcription error
160:21	"ingredient" to "ingredients"	transcription error
160:22	"to" to "of"	transcription error
160:24	"influence" to "influenced"	transcription error
161:17	"tasks" to "task"	transcription error
165:13	"address" to "values"	transcription error
166:08	"of" to "as"	transcription error
166:21	"CFP" to "CPF"	transcription error
169:03	"immanently" to "eminently"	transcription error
175:20	"labeling" to "labeled"	transcription error

Freer Errata


Page/Line	CHANGE	REASON
178:14	"into" to "in, in"	transcription error
180:12-13	"fields. A" to "fields, a"	clarification: delete period
181:14	"rep end" to "rep_end"	clarification of field name
181:16, 181:24, 182:3, 182:8, 184:22, 189:11, 191:10, 191:13	"JW Sim" to "jwsim"	clarification of method name
185:17	"viewed different" to "viewed as different"	transcription error
186:16	"different" to "differ"	transcription error
189:12	"W ratio" to "WRatio"	clarification of method name
194:14	"question how" to "question of how"	transcription error
191:19	"threshold, of" to "threshold? Of"	clarification: add question mark
192:01	"two." to "two things."	clarification
192:20	"have" to "are"	transcription error
198:14-15	"partition. That's" to "partition that's"	clarification: delete period
203:02	"issues" to "issue"	transcription error
208:23	"in" to "on"	transcription error
209:07	"immanently" to "eminently"	transcription error
211:03	"Or Perhaps" to "Perhaps"	transcription error
214:04	"Results" to "Consulting"	transcription error
214:14	"is Borelian" to "is a Borelian"	transcription error
220:02	"mean 'of interest'" to "mean by 'of interest'"	transcription error
229:03	"equity" to "net equity"	transcription error
229:03	"rep_ID summary" to "rep_id_summary"	clarification of table name

In re: Chapter 11 Cases TELEXFREE vs  
FRANZ BALAN

Cameron E. Freer  
April 04, 2023

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1 I, CAMERON E. FREER, do hereby certify  
2 that I have read the foregoing transcript of my  
3 deposition, and except for any corrections or  
4 changes noted above, I hereby subscribe to the  
5 transcript as an accurate record of the statements  
6 made by me.

7   
8 \_\_\_\_\_

9 CAMERON E. FREER  
10

11 On this\_\_\_\_day of\_\_\_\_\_,  
12 2023, before me, the undersigned notary public,  
13 personally appeared CAMERON E. FREER, proved to me  
14 through satisfactory evidence of identification,  
15 which were\_\_\_\_\_, to be the  
16 person whose name is signed on the preceding or  
17 attached document, and who swore or affirmed to me  
18 that the contents of the document are truthful and  
19 accurate to the best of their knowledge.  
20

21 \_\_\_\_\_  
22 NOTARY PUBLIC  
23  
24



# Exhibit E.



UNITED STATES BANKRUPTCY COURT  
DISTRICT OF MASSACHUSETTS

In re:

TELEXFREE, LLC,  
TELEXFREE, INC. and  
TELEXFREE FINANCIAL, INC.,

Debtors.

Chapter 11 Cases

14-40987-MSH

14-40988-MSH

14-40989-MSH

Jointly Administered

STEPHEN B. DARR, TRUSTEE OF THE ESTATES  
OF TELEXFREE, LLC, TELEXFREE, INC. and  
TELEXFREE FINANCIAL, INC.,

Plaintiff,

v.

FRANTZ BALAN, A REPRESENTATIVE OF A  
CLASS OF DEFENDANT NET WINNERS,

Defendants.

Adversary Proceeding  
No. 16-4006

STEPHEN B. DARR AS TRUSTEE OF THE  
ESTATES OF TELEXFREE, LLC, TELEXFREE,  
INC. and TELEXFREE FINANCIAL, INC.,

Plaintiffs,

v.

MARCO PUZZARINI AND SANDRO PAULO  
FREITAS, REPRESENTATIVES OF A CLASS OF  
DEFENDANT NET WINNERS,

Defendants.

Adversary Proceeding  
No. 16-4007

**AFFIDAVIT OF FRANTZ BALAN**

I, Frantz Balan, hereby state and declare as follows:



1. The following is true and accurate to the best of my personal knowledge, recollection, and belief. If called upon, I am competent to testify about the subjects discussed below.

### *Background*

2. I am a resident of the Commonwealth of Massachusetts and reside at 564 Lowell Street in Peabody, Massachusetts.

3. I have lived at this address for 10 years.

4. I am married to Lusette Balan, my wife of 14 years.

5. I was involved in TelexFree for a roughly nine- or ten-month period in 2013 and 2014. For this reason, I have familiarity with TelexFree and its systems.

6. For some period of time, TelexFree was a full-time job. I typically worked 10-12 hour days, 6-7 days a week. For purposes of calculating net equity, the Trustee does not consider the amount of time that participants worked or their entitlement to compensation earned as a result. The Trustee also does not consider that for many people who got involved in TelexFree, this was the sole or primary source of income.

7. I rented an office for me and my team to use. For purposes of calculating net equity, the Trustee does not consider the amounts that participants paid in rent.

8. My team members and I hired someone to perform secretarial functions. This included posting ads, which despite what the Trustee states, was a time-consuming activity. For purposes of calculating net equity, the Trustee does not consider the amounts that participants paid to hire staff and support them.



9. Working as a promoter for TelexFree, I never earned the sums alleged by the Trustee or anything close to those amounts.

10. If I were required to pay TelexFree any amounts that I received as compensation in exchange for my work for TelexFree, it would present a significant financial hardship for me and my family.

### *Aggregation Problems*

11. I understand that the Trustee has "aggregated" accounts by grouping them by alleged owner.

12. The outcome of this aggregation method is not fully accurate or reliable.

13. There are accounts that were set up by me or team members working with me, or that were in my name, that were not aggregated to me. For example, the account under the name "frantzy Balan Balan" (Account no. 12693693) refers to me, uses my email address, and shows my home address. This account was not aggregated to me.

14. There are numerous other accounts that were set up by me or team members working with me that were not in my name but that use my personal email address and are aggregated to someone else. For example, the Trustee has aggregated several accounts to my wife, Lusette. This is incorrect because my wife Lusette had no personal involvement with TelexFree.

15. Similarly, there are accounts that I did not set up or in any way operate that are aggregated to me, even though they use a different email, street address, or username. Some of those accounts use email addresses that do not belong to me, such as vjmanigat@gmail.com.



16. Based on my understanding of the Trustee's aggregation model, I believe the Trustee does not understand that many participants worked in teams, which had shared goals of member recruitment in order to earn money. The Trustee assumes everyone worked alone. If you tried to work alone, it would have taken you years to earn the credits necessary to recruit new members and increase credit-earning potential.

17. It is not possible to determine how much money a participant made or lost simply by allocating the accounts based on the aggregations. As discussed below, each team and each pair of participants within a team had their own compensation arrangements that varied by team and participant. There was no universal payment practice.

18. I have no records that accurately indicate which accounts were set up or operated by me and which accounts were not. I would have to go account by account and review all associated transactions to confirm. However, simply going by the information entered in the TelexFree system is unreliable and would cause mistakes.

19. There are a number of reasons why the information used to make the aggregations is unreliable.

20. First, within my team, everyone's basic personal information like name, address, and phone number was known, so anyone could put an account in someone else's name.

21. Second, shared computers allowed users to "autocomplete" fields, so even if someone used the computer in our office to set up TelexFree accounts, they could use the autocomplete to enter my information without me necessarily knowing about it or



using the account. Similarly, if you were rushed, you could make typographical errors that were not blocked by the system.

22. Third, there were financial incentives for people to set up accounts that appeared to be someone different, even if you were using the account. This included the basic rule that you could not “recruit yourself,” meaning that your downlines needed to be different people.

### *Net Equity Problems*

23. I understand the Trustee is using a “net equity” formula to determine liability.

24. The Trustee’s “net equity” calculations are not accurate or reliable.

25. First, the Trustee assumes that for each new membership, the promoter received cash from the recruit in the exact amount of the invoice, e.g. \$1,425 for an “AdCentral Family” program membership, 100% of the time. Both underlined assumptions are false.

26. It is a mistake to assume that 100% of the face amount of invoices were collected 100% of the time. In practice, promoters like me rarely received the full amount in cash. I would estimate for me and the promoters I worked with or spoke to that at best this happened only 10% of the time.

27. Most often, promoters were only able to ask for steeply discounted payments, as low as \$250 for an AdCentral Family membership. Most commonly, the amount requested ranged from 50% to 75% of the invoiced amount. The Trustee fails to consider that there was competition for new recruits, and promoters would therefore seek to



collect lower membership fees. It is a mistake not to take into account competition and the effect that had on the price of a new membership.

28. Further, the assumption that transactions between participants were strictly triangular is incorrect. Much of the time, a person being recruited ("A") by a promoter ("B") was actually being recruited on behalf of or in concert with the promoter's promoter ("C"). Because C likely had more credits than B, C would most often pay the invoice. B would then be responsible for collecting cash, and B would keep some amount of that payment, very often 10%. It is a mistake to believe that 100% of these membership transactions were triangular. It is also a mistake to assume that no compensation among promoters was shared.

29. Finally, the amounts collected were not 100% of the amounts requested. It was common to have collection problems or have newly recruited people to ask for more time to pay or offer an arrangement where money would be paid based on future income. It is a mistake to assume that even the discounted amounts were collected 100% of the time. The Trustee overstates any net equity I may have had by wrongly assuming that I collected 100% of all people I recruited. I could not estimate the amount of money that I never collected, but it was significant.

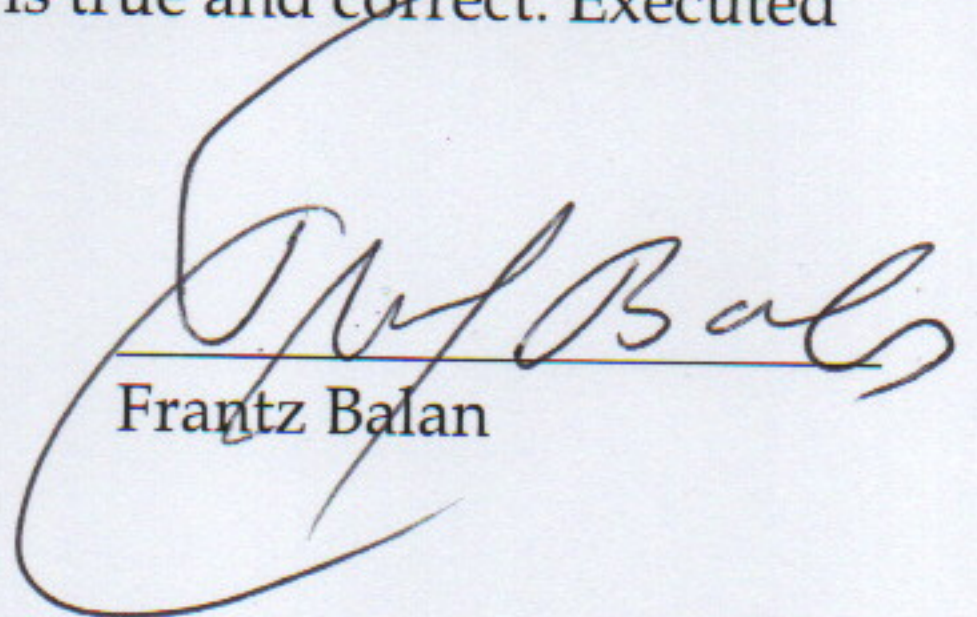
30. Another problem is that the Trustee assumes that credit transfers between participants were free. This is not true. Credits were bought and sold on a discounted basis an overwhelming majority of the time, often as low as 50% of 70% of face value. While there could be valid reasons to give a team member credits for free, to help grow your business, it makes no sense to work long hours to earn credits to simply give them



away for free. Also, if you could get credits for free, there would be no reason for people like me to buy credits directly from TelexFree. The typical discount when I bought credits was about 10%, meaning that roughly 90% of the face value was paid. The exact discount varied from transaction to transaction based on many factors. TelexFree closed operations before I could sell or use all of the credits I purchased. This means the Trustee's calculation overstates any net equity I may have had, as it does not reflect the amounts I paid to buy credits.

31. The Trustee is also undercounting direct credit purchases. According to the Trustee, I purchased a significant amount of credits using primarily one bank during a one-month time period. This is incorrect. In reality, I purchase credits from TelexFree throughout the entire time period I was involved. This was done using more than one bank, as well as postal money orders. However, for my credit purchases, only transactions from one 30-day period using one bank are reflected. This means that the Trustee's net equity calculation for me is even more overstated.

I declare under penalty of perjury that the foregoing is true and correct. Executed on July 30, 2020.



Frantz Balan



# Exhibit F.



UNITED STATES BANKRUPTCY COURT  
DISTRICT OF MASSACHUSETTS

In re:

TELEXFREE, LLC,  
TELEXFREE, INC. and  
TELEXFREE FINANCIAL, INC.,

Debtors.

Chapter 11 Cases

14-40987-MSH  
14-40988-MSH  
14-40989-MSH

Jointly Administered

STEPHEN B. DARR, TRUSTEE OF THE ESTATES  
OF TELEXFREE, LLC, TELEXFREE, INC. and  
TELEXFREE FINANCIAL, INC.,

Plaintiff,

v.

FRANTZ BALAN, A REPRESENTATIVE OF A  
CLASS OF DEFENDANT NET WINNERS,

Defendants.

Adversary Proceeding  
No. 16-4006

STEPHEN B. DARR AS TRUSTEE OF THE  
ESTATES OF TELEXFREE, LLC, TELEXFREE,  
INC. and TELEXFREE FINANCIAL, INC.,

Plaintiffs,

v.

MARCO PUZZARINI AND SANDRO PAULO  
FREITAS, REPRESENTATIVES OF A CLASS OF  
DEFENDANT NET WINNERS,

Defendants.

Adversary Proceeding  
No. 16-4007

AFFIDAVIT OF LUSETTE BALAN

I, Lusette Balan, hereby state and declare as follows:



1. The following is true and accurate to the best of my personal knowledge, recollection, and belief. If I called upon, I am competent to testify about the subjects discussed below.

2. I am a resident of the Commonwealth of Massachusetts and reside at 564 Lowell Street in Peabody, Massachusetts.

3. I have lived at this address for 10 years.

4. I am married to Frantz Balan, my husband of 14 years.

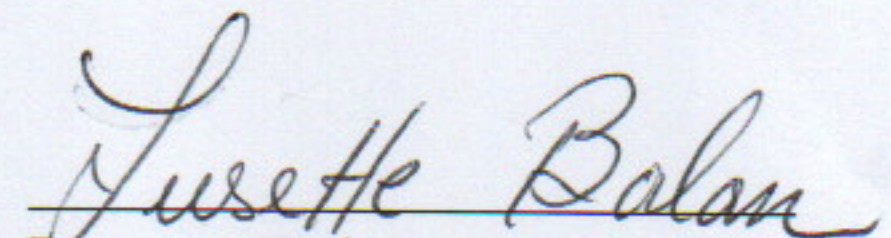
5. I am a named defendant in the domestic class action.

6. I had no involvement in TelexFree.

7. From 2013 to 2014, I worked as a CNA for two different nursing homes.

Combined, I worked roughly 80 hours per week.

I declare under penalty of perjury that the foregoing is true and correct. Executed on July 29, 2020.

  
Lusette Balan



# Exhibit G.

April 24, 2023

Honorable Kevin McCarthy  
Speaker, United States House of Representatives  
Washington, DC 20515

Dear Mr. Speaker:

I have the honor to submit to the Congress amendments to the Federal Rules of Evidence that have been adopted by the Supreme Court of the United States pursuant to Section 2072 of Title 28, United States Code.

Accompanying the amended rules are the following materials that were submitted to the Court for its consideration pursuant to Section 331 of Title 28, United States Code: a transmittal letter to the Court dated October 19, 2022; a blackline version of the rules with committee notes; an excerpt from the September 2022 report of the Committee on Rules of Practice and Procedure to the Judicial Conference; and an excerpt from the May 2022 report of the Advisory Committee on Evidence Rules.

Sincerely,

/s/ John G. Roberts, Jr.

April 24, 2023

Honorable Kamala D. Harris  
President, United States Senate  
Washington, DC 20510

Dear Madam President:

I have the honor to submit to the Congress amendments to the Federal Rules of Evidence that have been adopted by the Supreme Court of the United States pursuant to Section 2072 of Title 28, United States Code.

Accompanying the amended rules are the following materials that were submitted to the Court for its consideration pursuant to Section 331 of Title 28, United States Code: a transmittal letter to the Court dated October 19, 2022; a blackline version of the rules with committee notes; an excerpt from the September 2022 report of the Committee on Rules of Practice and Procedure to the Judicial Conference; and an excerpt from the May 2022 report of the Advisory Committee on Evidence Rules.

Sincerely,

/s/ John G. Roberts, Jr.

April 24, 2023

SUPREME COURT OF THE UNITED STATES

ORDERED:

1. The Federal Rules of Evidence are amended to include amendments to Rules 106, 615, and 702.

[*See infra* pp. \_\_ \_\_ \_\_.]

2. The foregoing amendments to the Federal Rules of Evidence shall take effect on December 1, 2023, and shall govern in all proceedings thereafter commenced and, insofar as just and practicable, all proceedings then pending.

3. THE CHIEF JUSTICE is authorized to transmit to the Congress the foregoing amendments to the Federal Rules of Evidence in accordance with the provisions of Section 2074 of Title 28, United States Code.

**PROPOSED AMENDMENTS TO THE  
FEDERAL RULES OF EVIDENCE**

**Rule 106. Remainder of or Related Statements**

If a party introduces all or part of a statement, an adverse party may require the introduction, at that time, of any other part—or any other statement—that in fairness ought to be considered at the same time. The adverse party may do so over a hearsay objection.



**Rule 615. Excluding Witnesses from the Courtroom;  
Preventing an Excluded Witness's Access  
to Trial Testimony**

**(a) Excluding Witnesses.** At a party's request, the court must order witnesses excluded from the courtroom so that they cannot hear other witnesses' testimony. Or the court may do so on its own. But this rule does not authorize excluding:

- (1)** a party who is a natural person;
- (2)** one officer or employee of a party that is not a natural person if that officer or employee has been designated as the party's representative by its attorney;
- (3)** any person whose presence a party shows to be essential to presenting the party's claim or defense; or
- (4)** a person authorized by statute to be present.

**(b) Additional Orders to Prevent Disclosing and Accessing Testimony.** An order under (a) operates

FEDERAL RULES OF EVIDENCE

3

only to exclude witnesses from the courtroom. But  
the court may also, by order:

- (1) prohibit disclosure of trial testimony to  
witnesses who are excluded from the  
courtroom; and
- (2) prohibit excluded witnesses from accessing  
trial testimony.

**Rule 702. Testimony by Expert Witnesses**

A witness who is qualified as an expert by knowledge, skill, experience, training, or education may testify in the form of an opinion or otherwise if the proponent demonstrates to the court that it is more likely than not that:

- (a) the expert's scientific, technical, or other specialized knowledge will help the trier of fact to understand the evidence or to determine a fact in issue;
- (b) the testimony is based on sufficient facts or data;
- (c) the testimony is the product of reliable principles and methods; and
- (d) the expert's opinion reflects a reliable application of the principles and methods to the facts of the case.

# Exhibit H.

**UNITED STATES BANKRUPTCY COURT  
FOR THE DISTRICT OF MASSACHUSETTS**

In re:

TELEXFREE, LLC,  
TELEXFREE, INC.,  
TELEXFREE FINANCIAL, INC.,

Reorganized Debtors

Chapter 11  
Case No. 14-40987-FJB  
Case No. 14-40988-FJB  
Case No. 14-40989-FJB

Substantively Consolidated

STEPHEN B. DARR, Chapter 11 Trustee,  
  
Plaintiff,

vs.

FRANTZ BALAN, ET AL

Defendants

Adv. Proc. No. 16-04006

STEPHEN B. DARR, Chapter 11 Trustee,  
  
Plaintiff,

vs.

MARCO PUZZARINI AND SANDRO  
PAULO FREITAS, ET AL.,

Defendants

Adv. Proc. No. 16-04007

**STIPULATION BETWEEN TRUSTEE AND DEFENDANT CLASS  
REPRESENTATIVES RESPECTING AMENDED FEE  
ARRANGEMENT FOR DEFENDANTS**

This Stipulation is entered into this 4th day of January, 2022, by and among Stephen Darr, the Liquidating Trustee under the confirmed liquidating plan of reorganization, and

formerly the Chapter 11 trustee (the "Trustee") of the substantively consolidated bankruptcy estates of TelexFree, LLC, TelexFree, Inc., and TelexFree Financial, Inc. (collectively, the "Debtors" or "TelexFree"), Frantz Balan on his own behalf and as class representative on behalf of all similarly situated parties in Adversary Proceeding No. 16-4006 (the "Domestic Action") and Marco Puzzarini and Sandro Paulo Freitas on their own behalf and as class representatives on behalf of all similarly situated parties in Adversary Proceeding No. 16-4007 (the "Foreign Action" and, together with the Domestic Action, the "Class Actions"). Balan, Puzzarini, and Freitas shall be referred to collectively as the "Class Representatives", and the Trustee and the Class Representatives are referred to collectively as the "Parties".

#### **Recitals**

1. On April 13, 2014 (the "Petition Date"), the Debtors filed voluntary petitions for relief under Chapter 11 of the United States Bankruptcy Code ("Bankruptcy Code") with the United States Bankruptcy Court for the District of Nevada.
2. The Debtors initially operated as debtors-in-possession pursuant to Sections 1107 and 1108 of the Bankruptcy Code.
3. On the Petition Date, the Debtors filed a motion for joint administration of the cases, with TelexFree, LLC designated as the lead case. By order dated April 24, 2014, the motion for joint administration was approved.
4. On or about June 6, 2014, Stephen Darr was appointed Chapter 11 Trustee.
5. On or about January 15, 2016, the Trustee commenced these adversary proceedings by filing class action complaints (the "Complaints"). On or about October 16, 2016, the Court entered an order in the Domestic Action certifying a defendant class, appointing Frantz Balan as Class Representative, and appointing Milligan Rona Duran & King, LLC ("MRDK") as

class counsel. On or about August 3, 2017, the Court entered an order in the Foreign Action certifying a defendant class, appointing Marco Puzzarini and Sandro Paulo Freitas as Class Representatives, and appointing MRDK as class counsel. The Class Representatives subsequently retained StoneTurn Group ("StoneTurn") as financial advisors to the defendant classes.

6. The order certifying the defendant classes and granting related relief established budgets for services to be rendered by the professionals retained by the defendant classes. Specifically, the orders provided the following budgets:

- (i) MRDK had a budget of \$225,000 for the Domestic Action and \$165,000 for the Foreign Action, for a total of \$390,000;
- (ii) StoneTurn had a budget of \$87,500 for the Domestic Action and \$60,000 for the Foreign Action, for a total of \$147,500.

7. MRDK has incurred total fees and expenses through the period ending November 1, 2021 of \$458,404.77, of which \$302,704.17 has been paid by the Trustee.

8. StoneTurn has incurred total fees and expenses through the period ending March 4, 2021 of \$262,382.68, of which \$141,872.76 has been paid by the Trustee.

9. On June 22, 2021, the Court entered a decision excluding the Trustee's expert report prepared and submitted by Timothy Martin of Huron Consulting Group.

10. On or about September 7, 2021, the Trustee filed the *Motion by Liquidating Trustee to Schedule a Case Management Conference Respecting Supplementation of Expert Reports* (the "Expert Motion").

11. On November 1, 2021, the defendant classes filed the Domestic & International Class Representatives' Opposition to the Trustee's Request to Appoint New Expert Witness (the "Opposition").

12. On November 16, 2021, the Trustee filed a Reply to the Opposition.

13. On December 1, 2021, the Court entered orders [docket no. 407 in the Domestic Action and docket no. 557 in the Foreign Action] allowing the Expert Motion conditioned upon the submission on or before January 4, 2022 of an amended fee arrangement for the professionals retained by the Class Representatives.

14. As a result of the foregoing, the Parties have entered into negotiations and have agreed to the following:

#### **Stipulation**

15. MRDK shall be allowed fees and expenses in the amount of \$155,700.60 for services rendered and expenses incurred during the period from July 16, 2020 through November 1, 2021, without the necessity of filing any further application with the Court. The Trustee is authorized to pay such amount upon entry of a final order approving this Stipulation.

16. StoneTurn shall be allowed fees and expenses in the amount of \$120,509.92 for services rendered and expenses incurred during the period from June 20, 2020 through March 4, 2021, without the necessity of filing any further application with the Court. The Trustee is authorized to pay such amount upon entry of a final order approving this Stipulation.

17. MRDK and StoneTurn shall have no further claims for fees and expenses incurred prior to November 1, 2021 other than as set forth above.

18. The remaining class issues in the Class Actions shall be conducted in two phases as set forth below.



**Phase I (Method of Aggregation, Data Science, Assumptions and Reliability)**

19. Phase I will be comprised of discovery, pleadings, dispositive motions, and hearing(s) on the admissibility of the expert opinion of Borelian Corporation (“Borelian”) and will include, among other things, the following:

- (i) the integrity and reliability of the SIG data used by Borelian;
- (ii) the reasonableness of the assumptions made by Borelian in computing the amount of the Net Winnings, including but not limited to the inclusion or exclusion of transfers of credits between Participants in the computation of Net Winnings and the assumptions made with respect to the treatment of Triangular Transactions in the computation of Net Winnings.

20. The Court’s findings and conclusions as to Phase I will inform the necessity for Phase II.

**Phase II (Legal Issues/Other Elements of Causes of Action)**

21. Phase II will be comprised of discovery, if necessary, pleadings, dispositive motions, and hearing(s) with respect to the remaining class-wide issues in the litigation, including the following:

- (i) The procedure to be established to determine the damages for each defendant;
- (ii) Whether the Class Representatives have defenses based upon the Wage Act or other applicable state and federal labor laws;
- (iii) Whether the payments to the defendants were made within two years of the petition date;
- (iv) Whether the payments to the defendants were made with actual intent to hinder, delay, or defraud some or all of TelexFree’s existing and/or future creditors;

- (v) Whether the payments to the defendants constitute a transfer of an asset of TelexFree or an interest in an asset of TelexFree;
- (vi) Whether the payments to the defendants were made for less than fair consideration;
- (vii) Whether the payments to the defendants were made while TelexFree was insolvent, undercapitalized, or unable to pay their debts as they became due;
- (viii) Whether the defendants are entitled to any offsets;
- (ix) Whether the defendants have other class-wide defenses not specified above; and
- (x) The disallowance of any claims of Net Winners.

22. In entering into this Stipulation, the Trustee does not agree to or admit the necessity of any of the Phase II issues other than establishing a procedure to determine damages for each defendant.

#### **Budgets/Fees**

23. MRDK shall have one consolidated budget for services rendered and expenses incurred subsequent to November 1, 2021 in Phase I in the amount of \$400,000 and shall not exceed such amount. Amounts not used in Phase I may be added to the Phase II budget.

24. MRDK shall have one consolidated budget for services rendered and expenses incurred subsequent to November 1, 2021 in Phase II in the amount of \$300,000 and shall not exceed such amount.

25. StoneTurn shall have one consolidated budget for services rendered and expenses incurred subsequent to November 1, 2021 in Phases I and II in the amount of \$300,000, and shall not exceed such amount.

26. MRDK and StoneTurn shall be entitled to payment for services rendered and expenses incurred subsequent to November 1, 2021 on a quarterly basis in accordance with the following procedures:

- (i) On or before the twenty-fifth (25th) day of the month following the calendar quarter for which compensation is sought, each professional seeking compensation pursuant to this Stipulation shall serve a quarterly fee and expense statement (the "Quarterly Fee Statement") upon the following persons (collectively, the "Notice Parties"):
  - (A) The Trustee, Stephen B. Darr, at [sdarr@hcg.com](mailto:sdarr@hcg.com);
  - (B) Counsel to the Trustee, Murphy & King, Professional Corporation, One Beacon Street, Boston, Massachusetts 02108 (Attn: Charles R. Bennett, Jr, Esq. and Andrew G. Lizotte, Esq.)([CBennett@murphyking.com](mailto:CBennett@murphyking.com) and [ALizotte@murphyking.com](mailto:ALizotte@murphyking.com)).
  - (C) Any other party the Court may so designate.
- (ii) **Content of Quarterly Fee Statement**  
Each Quarterly Fee Statement shall contain an itemization of time spent and the applicable hourly rate. All timekeepers must maintain contemporaneous time entries in increments of one-tenth (1/10th) of an hour.
- (iii) **Review Period**  
Each person receiving a Quarterly Fee Statement shall have twenty one (21) days after receipt of the Quarterly Fee Statement to review it and serve an objection (the "Objection Period").
- (iv) **Payment**  
In the absence of a timely-served objection, the Trustee will promptly pay the Quarterly Fee Statement for each Professional.
- (v) **Objections**
  - (A) If a party objects to a Quarterly Fee Statement, it must serve a written objection (the "Notice of Objection to Quarterly Fee Statement") upon the Professional and each of the Notice Parties, so that the Notice of Objection to Quarterly Fee Statement is received on or before the last day of the Objection Period.
  - (B) The Notice of Objection to Quarterly Fee Statement must set forth the nature of the objection and the amount of fees and/or expenses at issue.

- (C) If a Notice of Objection is submitted, the Trustee shall withhold payment of that portion of the Quarterly Fee Statement to which the objection is directed, and shall promptly pay the remainder of the fees and disbursements that are not objected to.
- (D) If the parties to an objection are able to resolve their respective dispute(s) following the service of a Notice of Objection to Quarterly Fee Statement, and the Professional and the objecting party serve upon each of the parties served with the Monthly Fee Statement as set forth above a statement indicating that the objection is withdrawn, in whole or in part and describing in detail the terms of the resolution, then the Trustee shall promptly pay such amount which is no longer subject to an objection.
- (E) If the parties are unable to reach a resolution to the objection within twenty one (21) days after service of an objection, the affected Professional may move to compel the payment with the Court, together with a request for payment of the difference, if any, between the total amount of the payment sought and the portion of the payment as to which there is an objection (the “Incremental Amount”).

27. By entering into this Stipulation, the Class Representatives do not agree to waive their opportunity to seek additional funds if necessary.

28. The Trustee reserves all rights with respect to any requests for funding, including but not limited to the right to object to any modification of the budget provided herein. The Trustee further reserves the right to contest the necessity of discovery as to any pending matter.

29. This Stipulation shall be binding upon and inure to the benefit of the Parties, and their respective administrators, representatives, successors and assigns.

30. This Stipulation may be executed in counterparts, each of which shall be deemed to be an original, and all such counterparts together shall constitute one and the same instrument. This Stipulation may be executed by facsimile or portable document format (“pdf”).

31. The Court shall retain jurisdiction to resolve any dispute arising under or in connection with this Stipulation.

32. This Stipulation shall have no force or effect unless it is approved by the Court.

STEPHEN B. DARR AS TRUSTEE  
OF THE CHAPTER 11 ESTATES OF  
TELEXFREE, LLC, TELEXFREE, INC.  
AND TELEXFREE FINANCIAL, INC.  
By his counsel,

/s/ Andrew G. Lizotte  
Charles R. Bennett, Jr. (BBO #037380)  
Andrew G. Lizotte (BBO #559609)  
Murphy & King Professional Corporation  
28 State Street, Suite 3101  
Boston, Massachusetts 02109  
(617) 423-0400  
ALizotte@murphyking.com

DEFENDANT CLASS  
REPRESENTATIVE FRANTZ BALAN  
By his counsel,

/s/ Ilyas J. Rona (AGL w/ permission)  
Ilyas J. Rona, Esq. (BBO #642964)  
MILLIGAN RONA DURAN & KING LLC  
50 Congress Street, Suite 600  
Boston, Massachusetts 02109  
(617) 395-9570  
ijr@mrklaw.com

DEFENDANT CLASS  
REPRESENTATIVES MARCO  
PUZZARINI AND SANDRO PAULO  
FREITAS,  
By counsel,

/s/ Ilyas J. Rona (AGL w/ permission)  
Ilyas J. Rona, Esq. (BBO #642964)  
MILLIGAN RONA DURAN & KING LLC  
50 Congress Street, Suite 600  
Boston, Massachusetts 02109  
(617) 395-9570  
ijr@mrklaw.com

804522

# Exhibit I.

**From:** Andrew G. Lizotte  
**Sent:** Wednesday, November 3, 2021 4:09 PM EDT  
**To:** 'Cameron Freer'  
**CC:** Daniel J. Lyne; Mark Meras  
**Subject:** RE: FW: Telex Free  
**Attachments:** image001.png

Cameron,  
I just had a follow up conversation with Jean Louis (if it is still unclear after this, you may want to call him directly to discuss).

According to Jean, they generally did not have more than one name in an aggregation (such as Andrew Lizotte and Charles Lizotte) as that would defeat the purpose of relying upon name. There were many instances where an aggregation had many variations of a name (Andrew Lizotte, Andy Lizotte, A Lizotte, Andy George Lizotte, AG Lizotte, etc). In these instances, Huron would need to find the most complete version of the name. Jean said they would typically revert to the biggest winner User Account in the aggregation or the name in the lowest value TelexFree rep\*id (the first account created in the aggregation) to locate the correct name.

Andrew Lizotte  
Shareholder



**WE MOVED! Please note our new address:**

28 State Street, Suite 3101, Boston, MA 02109

T: 617-423-0400 | F: 617-423-0498

**Direct:** 617-226-3415

**Email:** [ALizotte@murphyking.com](mailto:ALizotte@murphyking.com)

[www.murphyking.com](http://www.murphyking.com)

**From:** Cameron Freer [mailto:freer@mit.edu]  
**Sent:** Wednesday, November 3, 2021 3:12 PM  
**To:** Andrew G. Lizotte <ALizotte@murphyking.com>  
**Cc:** Daniel J. Lyne <DLyne@murphyking.com>; Mark Meras <markm@aya.yale.edu>  
**Subject:** Re: FW: Telex Free

**This Message originated outside your organization.**

---

Hi Andy,

Thanks for these answers. Sounds good re the second question.

Regarding the first, I don't think that's actually the case -- I'll send some examples later, showing instances where there is more than one name per Huron cluster, despite name parts (e.g., first character and last 4 characters) always being an aspect of each step.

But in any case, it would be helpful for Mark and me to know how the named defendant list was generated for the suit. Is it possible for you to please describe, in detail, how this list of names was generated (e.g., based on accounts with given net equity values, or using Huron clusters)?

Thanks,  
- Cameron

On Wed, Nov 3, 2021, 14:54 Andrew G. Lizotte <[ALizotte@murphyking.com](mailto:ALizotte@murphyking.com)> wrote:

Cameron:

1. Under the 13 step methodology, Huron never really had to migrate from a cluster containing multiple names to a single name because the cluster always had just one name. Each of the 13 steps included the name field in some capacity which prevented stray names from entering the cluster. A new account would only be added into an aggregation if it met more than one criteria of the existing aggregated accounts. If this is not clear, we can go through the 13 steps on our call.
2. Your assumption is correct. The principal inquiry here is reaching a resolution on the user accounts to be aggregated. As the defendants have pointed out, they may raise issues with respect to the calculation of the net equity, but that is an issue for another day (and is in any event presently outside of your scope).

Let me know if you need anything else. Andy

Andrew Lizotte  
Shareholder



**WE MOVED! Please note our new address:**

28 State Street, Suite 3101, Boston, MA 02109

T: 617-423-0400 | F: 617-423-0498

**Direct:** 617-226-3415

**Email:** [ALizotte@murphyking.com](mailto:ALizotte@murphyking.com)

[www.murphyking.com](http://www.murphyking.com)

**From:** Cameron Freer [mailto:[freer@mit.edu](mailto:freer@mit.edu)]

**Sent:** Wednesday, November 3, 2021 2:34 PM

**To:** Andrew G. Lizotte <[ALizotte@murphyking.com](mailto:ALizotte@murphyking.com)>

**Cc:** Daniel J. Lyne <[DLyne@murphyking.com](mailto:DLyne@murphyking.com)>; Mark Meras <[markm@aya.yale.edu](mailto:markm@aya.yale.edu)>

**Subject:** Re: FW: Telex Free

**This Message originated outside your organization.**

---

Hi Andy,

Thanks for the documents. Mark and I have two more questions that would be helpful to get an answer on:



1. What was the methodology for going from a Huron-generated cluster to the name of the defendant (i.e., how would you pick who to sue given a cluster, when the cluster involves multiple names)?
2. I think you've said this before, but we wanted to confirm that the Net Equity calculation by Huron is not under review here. It is our understanding that the Court has approved the Net Equity formula, and that Huron has implemented this formula to create the net\_equity field for each account in the database. We are hoping that we can continue to use this field without further investigation, even as we examine which accounts should be aggregated.

Thanks,  
- Cameron

On Wed, 3 Nov 2021 at 14:18, Andrew G. Lizotte <[ALizotte@murphyking.com](mailto:ALizotte@murphyking.com)> wrote:

The affidavits you refer to are Exhibits 19 and 20 of the attached pdf.

As for the first two items, they were send as part of a share file in October 2017 and the file is no longer active.

I spoke with Jean Louis. He expects that he would have downloaded them and will look for a copy for us.

Andy

Andrew Lizotte  
Shareholder



**WE MOVED! Please note our new address:**

28 State Street, Suite 3101, Boston, MA 02109

T: 617-423-0400 | F: 617-423-0498

**Direct:** 617-226-3415

**Email:** [ALizotte@murphyking.com](mailto:ALizotte@murphyking.com)

[www.murphyking.com](http://www.murphyking.com)

**From:** Cameron Freer [mailto:[freer@mit.edu](mailto:freer@mit.edu)]

**Sent:** Wednesday, November 3, 2021 1:21 PM

**To:** Daniel J. Lyne <[DLyne@murphyking.com](mailto:DLyne@murphyking.com)>

**Cc:** Mark Meras <[markm@aya.yale.edu](mailto:markm@aya.yale.edu)>; Andrew G. Lizotte <[ALizotte@murphyking.com](mailto:ALizotte@murphyking.com)>

**Subject:** Re: FW: Telex Free

**This Message originated outside your organization.**

---

Hi Dan,

## Work Product

We were wondering if you would be able to please provide us the following documents, which came up as we were reviewing the opposition filing and the Dennis rebuttal:

1. Case Study Net Equity and Transfer Detail\_9-15-17.xlsx (referred to on p. 9 of the opposition filing)
2. Top Winner-Loser Acct Aggregation\_9-15-17.xlsx (also p. 9)
3. Affidavit of Frantz Balan, July 29, 2020 (referred to on p. 18 and elsewhere of the Dennis rebuttal, and relevant to Dennis Exhibit 10)
4. Affidavit of Lusette Balan, July 29, 2020 (also p. 18)

Thanks,  
- Cameron

On Wed, 3 Nov 2021 at 08:15, Daniel J. Lyne <[DLyne@murphyking.com](mailto:DLyne@murphyking.com)> wrote:  
[Cameron/Mark,](#)

## Work Product

Daniel J. Lyne  
Shareholder



**Please note our new address**

28 State Street, Suite 3101, Boston, MA 02109

T: 617-423-0400 | F: 617-423-0498

**Direct:** 617-226-3420 | **Direct Fax:** 617-305-0620

**Email:** [dlyne@murphyking.com](mailto:dlyne@murphyking.com)

[www.murphyking.com](http://www.murphyking.com)

**From:** Cameron Freer [<mailto:freer@mit.edu>]

**Sent:** Tuesday, November 2, 2021 8:18 PM

**To:** Daniel J. Lyne <[DLyne@murphyking.com](mailto:DLyne@murphyking.com)>

**Cc:** Mark Meras <[markm@aya.yale.edu](mailto:markm@aya.yale.edu)>; Andrew G. Lizotte <[ALizotte@murphyking.com](mailto:ALizotte@murphyking.com)>

**Subject:** Re: Telex Free

**This Message originated outside your organization.**

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Hi Dan,

Work Product

A large rectangular area of the email body is completely redacted with a solid black fill, covering the majority of the page content below the 'Work Product' header.

Work Product

On Tue, 2 Nov 2021 at 15:17, Cameron Freer <[freer@mit.edu](mailto:freer@mit.edu)> wrote:

Hi Dan,

Thanks for this update. Mark and I will take a look at it and get back to you with our comments.

- Cameron

On Tue, Nov 2, 2021, 15:12 Daniel J. Lyne <[DLyne@murphyking.com](mailto:DLyne@murphyking.com)> wrote:

Cameron/Mark,

Attached is the class defendants' opposition to our scheduling motion. I have omitted the exhibits.

Work Product

Work Product

Daniel J. Lyne  
*Shareholder*

**Please note our new address**

28 State Street, Suite 3101, Boston, MA 02109

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# Exhibit J.

# Active Learning for Probabilistic Record Linkage.\*

Ted Enamorado<sup>†</sup>

September 20, 2018

## Abstract

Integrating information from multiple sources plays a key role in social science research. However, when a unique identifier that unambiguously links records is not available, merging datasets can be a difficult and error-prone endeavor. Probabilistic record linkage (PRL) aims to solve this problem by providing a framework in which common variables between datasets are used as potential identifiers, with the goal of producing a probabilistic estimate for the unobserved matching status across records. In this paper, I propose an active learning algorithm for PRL, which efficiently incorporates *human judgement* into the process and significantly improves PRL's performance at the cost of manually labelling a small number of records. Using data from local politicians in Brazil, where a unique identifier is available for validation, I find that the proposed method bolsters the overall accuracy of the merging process. In addition, I examine data from a recent vote validation study conducted for the ANES, and I show that the proposed method can recover estimates that are indistinguishable from those obtained from a more extensive, expensive, and time-consuming clerical review.

**Key Words:** Active learning, EM algorithm, precision, recall, record linkage

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# 1 Introduction

Modern social science research often relies on bringing together information from different sources to advance our understanding about questions of interest. From studies that seek to explain the differences between self-reported and actual behavior (Ansolabehere and Hersh 2012, Barbera 2015, Meredith and Morse 2015, Berent, Krosnick, and Lupia 2016, Hill and Huber 2017, Jackman and Spahn 2018, Bonica 2018); the effects of the national news media on mass public and elite behavior (DellaVigna and Kaplan 2007, Hopkins and Ladd 2014, Arceneaux et al. 2016, Martin and Yurukoglu 2017); historical accounts about the electorate (Acharya, Blackwell, and Sen 2016, Spahn 2017, Hall, Huff, and Kuriwaki 2018); the impacts of lobbying activities on trade (Bombardini and Trebbi 2012, Bertrand, Bombardini, and Trebbi 2014, Kim 2017); to studies on clientelism and redistributive politics (De La O 2013, Zucco 2013, 2015, Rueda 2016), etc; scholars have spent considerable amounts of time and effort assembling detailed datasets from multiple sources to conduct sound empirical analyses.

When merging data, the main difficulty faced by the researcher is that oftentimes a unique identifier that unambiguously links records across two datasets, such as the social security number, does not exist. Under this scenario the true match status of all the pairwise comparisons across two datasets is unknown and merging data is prone to mis-classifications; in particular, we might fail to find true matches in the data (false negatives) or classify as matches observations that do not refer to the same entity (false positives). This problem is more pronounced when the data are noisy, either due to missing information or typographical errors.

Since the work of Fellegi and Sunter (1969), who formalized the notion of probabilistic record linkage (PRL), a growing literature in statistics, computer science, and more recently in the social sciences, has aimed to solve this problem via a principled framework that uses variables in common between datasets as potential identifiers. The goal is to produce a probabilistic estimate for the latent matching status across pairs of records. The advantages of such an approach are that it is devised specifically as a mechanism to control for possible error rates and to account for any remaining uncertainty into subsequent empirical analyses.

As recently noted by many authors (see e.g., McVeigh and Murray 2017, Sadinle 2017, Enamorado, Fifield, and Imai 2018, and references therein), using PRL to merge two datasets that lack a unique identifier is a good strategy, especially in situations where the amount of overlap between two datasets is large – even in the presence of moderate amounts of noise in the data. However, as originally noted by Winkler (2002), in many common situations, PRL struggles to



accurately match records e.g., when the overlap between datasets is small, when only a few common potential identifiers exist, when the amount of noise in the data is large, when the modeling assumptions are violated, etc.

A common approach to detect problems with PRL is to perform a detailed ex-post clerical review or to use heuristics like random spot checking. Yet, these methods often provide insufficient guidance about which observations are more informative or how to utilize these qualitative assessments about the matching status of a particular set of records to improve the accuracy of our estimates. Hence, the critical question is: can we do better at detecting and addressing problems with PRL? and if so, how?

In this paper, I propose a robust approach for probabilistic record linkage via active learning. The proposed method efficiently incorporates *human judgement* into the merging process by sampling the most informative pairs of observations for manual labeling, rather than requiring the analyst to hand-code every pair of observations in the clerical review region or to use ad-hoc procedures to reduce the size of clerical review task. Thus, through the use of sampling, the researcher can avoid clerical reviews that are orders of magnitude larger while improving the overall accuracy of the results. In addition, through its iterative nature, the model behind the proposed method borrows strength from the small set of manually labeled cases to improve the precision of quantities on interest by directly incorporating them into the estimation stage. Finally, it does not impose major bottlenecks in terms of computing-time as it is fully incorporated into the computational improvements to PRL recently introduced by Enamorado, Fifield, and Imai (2018) and implemented in fastLink an R-package for PRL (Enamorado, Fifield, and Imai 2017).

I demonstrate the proposed method using two empirical examples. In the first application, I validate the model by merging two datasets on local-level candidates in Brazil for the 2012 and 2016 municipal elections. Each dataset contains more than 450,000 observations, and are ideal to test the performance of probabilistic record linkage algorithm as they contain a unique identifier: the *Cadastro de Pessoas Físicas* (CPF), which is the Brazilian individual taxpayer registry identification number. More importantly, while the CPF is perfectly recorded for each individual, the other common variables between datasets are not as they are manually entered into the database, and therefore may be subject to misspellings and other errors.

The matches identified by a PRL model without labeled data are of high quality; however, the estimated rates of false positives and false negatives obtained are at least 6 and 8 percentage points away from the ground truth, respectively. Such a discrepancy might lead a researcher

to conclude, for example, that the rate of politicians that switch their party affiliation (a common practice among Brazilian politicians) is 58%, while 53% actually did. Using my proposed methodology, I find that 53% local politicians in fact joined a different party. To reach this level of precision, it was necessary to manually label just 4% of the usual clerical review proposed by other PRL approaches.

In a second application, I revisit a recent vote validation study conducted by Enamorado and Imai (2018) for the 2016 American National Election Study (ANES). In that study, ANES respondents were matched with a voter file of more than 180 million observations. Enamorado and Imai (2018) conducted a lengthy and detailed clerical review, in which the matching status of 4,271 respondents was carefully evaluated. Using unlabeled data alone, PRL produces a validated turnout rate among ANES respondents that is 5 percentage points larger than the actual turnout rate in the population of interest. In contrast, by manually labeling fewer than 15% of the number of cases included in the original clerical review, the proposed methodology recovers a validated turnout rate that is within the margin of error of the true population-level turnout rate and which is virtually identical to the rate found after a more comprehensive clerical review.

The paper is organized as follows. First, I briefly describe the canonical model of probabilistic record linkage and discuss its shortcomings. Second, I introduce the proposed methodology. Third, I present the results from the two empirical applications. The first application serves as a validation exercise, while the second application highlights the advantages of the proposed methodology. Finally, some concluding remarks and avenues for future extensions are discussed.

## 2 Probabilistic Record Linkage

In this section, I start by describing how to construct an agreement pattern, perhaps the most important concept in the probabilistic record linkage literature. Then, I introduce the canonical model of probabilistic record linkage and describe how this model classifies pairs of records as matches or as non-matches. Finally, I discuss the problems and challenges a researcher might face when conducting a merge using the Fellegi-Sunter framework.

### 2.1 Representing Comparisons as Agreement Patterns

Suppose that we wish to merge two data sets,  $\mathcal{A}$  and  $\mathcal{B}$ , with sample sizes  $N_{\mathcal{A}}$  and  $N_{\mathcal{B}}$ , respectively. The problem is that the true matching status for all the  $N_{\mathcal{A}} \times N_{\mathcal{B}}$  distinct pairs is

unknown. Therefore, the best strategy to conduct a merge under those circumstances is to use the variables which are common to both datasets as potential identifiers. Unfortunately, in practice, most data are noisy, which means that if the variables in common are recorded with error (e.g., misspellings, missing information, etc.), an exact match on these fields would classify many true matches as non-matches. We use the function  $\gamma_k(i, j)$  to represent the level of within-pair similarity for the  $k$ th variable between the  $i$ th observation of data set  $\mathcal{A}$  and the  $j$ th observation of data set  $\mathcal{B}$ . Thus, for each pairwise comparison, an agreement pattern  $\gamma(i, j) = \{\gamma_1(i, j), \gamma_2(i, j), \dots, \gamma_k(i, j), \dots, \gamma_K(i, j)\}$  represents a sequence of similarity levels across all the  $K$  variables used to link files. Intuitively, the higher the level of agreement across fields as recorded in  $\gamma(i, j)$ , the more likely a pair of records is to be a match.

To construct each  $\gamma_k(i, j)$ , we first need to calculate a measure of distance  $S_k(i, j)$  between the observed values for variable  $k$  that the  $i$ th and  $j$ th observations take. Consequently, the smaller the value of  $S_k(i, j)$  the closer are the values being compared. In the case of string-valued variables, there are three prominent options for  $S_k(\cdot)$ : Levenshtein, Jaro, and Jaro-Winkler; all involving character-wise comparisons of two strings (see Cohen, Ravikumar, and Fienberg 2003; Yancey 2005 for a detailed description of each measure). For numeric-valued variables,  $S_k(\cdot)$  can be represented by an  $L1$  (absolute value of the difference) or an  $L2$  norm (euclidean distance) as measures of distance between two values.

Let the number of agreement levels in the  $k$ th variable be denoted by  $L_k$ , then, for example, if  $L_k = 2$  we have that:

$$\gamma_k(i, j) = \begin{cases} 1 & \text{if } S_k(i, j) \leq \tau & \text{"identical (or nearly so)"} \\ 0 & \text{otherwise} & \text{"different"} \end{cases}$$

where  $\tau$  is a threshold value set at the discretion of the researcher – see Jaro (1989) and Winkler (1990) for examples of threshold values commonly used by the U.S. Census Bureau.<sup>1</sup>

Of course, not all data at our disposal is perfectly recorded, and missing values are common features of social science data. The latter means that some components of  $\gamma(i, j)$  might be missing. That is why we define a missingness vector of length  $K$ , denoted by  $\delta(i, j)$ , where its  $k$ th element  $\delta_k(i, j)$  is equal to 1 if at least one record in the pair  $(i, j)$  has a missing value in the  $k$ th variable and is equal to 0 otherwise.

Figure 1 presents an illustrative example on how agreement patterns are constructed. The

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<sup>1</sup>Note that comparisons can be classified using more than two levels e.g., using three agreement levels, we can classify comparisons into: identical (or nearly so), similar, and different.

top panels (in green) represent two artificial data sets,  $\mathcal{A}$  and  $\mathcal{B}$ , of 2500 and 1000 records, respectively. As noted above, the first step to obtain each  $\gamma(i, j)$  is to compare the values of a pair of records for a given variable. In this example, such an operation translates into 2.5 million comparisons per variable.

The third panel of figure 1 (in light blue) presents examples of pairwise distances across six variables: first, middle, and last name, house number and street name. String-valued variables are compared using the Jaro-Winkler string distance – a value of 0 represents that the two values being compared are the same and a value of 1 means that they are different. In the case of numeric-valued variables, the absolute value of the difference (L1 norm) is used. For example, if we compare observations  $\mathcal{A}.1$  and  $\mathcal{B}.2$ , we obtain a renormalized Jaro-Winkler score of 0.49 for first name, 0 for middle name, 1 for last name, and 0.62 for street name; in addition, those two observations are 24,721 days apart in terms of age and their house numbers differ in 660 units.

For all the variables, let  $L_k = 2$  and  $\tau = 0.10$  for string-valued variables and  $\tau = 1$  for numeric-valued variables. Then, for example, we get an agreement pattern for observations  $\mathcal{A}.1$  and  $\mathcal{B}.2$  equal to  $\gamma(\mathcal{A}.1, \mathcal{B}.2) = \{0, 1, 0, 0, 0, 0\}$  i.e., only the middle names are identical for those observations – see the last panel (blue) of figure 1. Note that a comparison involving at least one missing value is indicated by NA, and in our notation this is described by the vector  $\delta(i, j)$ . For example,  $\delta(\mathcal{A}.2, \mathcal{B}.3) = \{0, 1, 0, 0, 0, 0\}$  indicates the middle name comparison is not possible due to a missing value when comparing records  $\mathcal{A}.2$  and  $\mathcal{B}.3$ .

Without a doubt, constructing agreement patterns is the most computational expensive step of any record linkage task as the number of comparisons grows quadratically with the size of the datasets. To reduce the number of comparisons, a common technique used in the related literature is blocking i.e., make comparisons only for observations that share the same value in a variable, treating as non-matches observations that differ on that variable. For example, a researcher may only make comparisons for observations that share the same gender.<sup>2</sup> Without loss of generality, the proposed methodology in this paper can be applied with or without blocking. To facilitate the exposition (notation-wise), no blocking scheme is assumed.

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<sup>2</sup>Christen (2012) and Steorts et al. (2014) are two excellent reviews of blocking techniques.

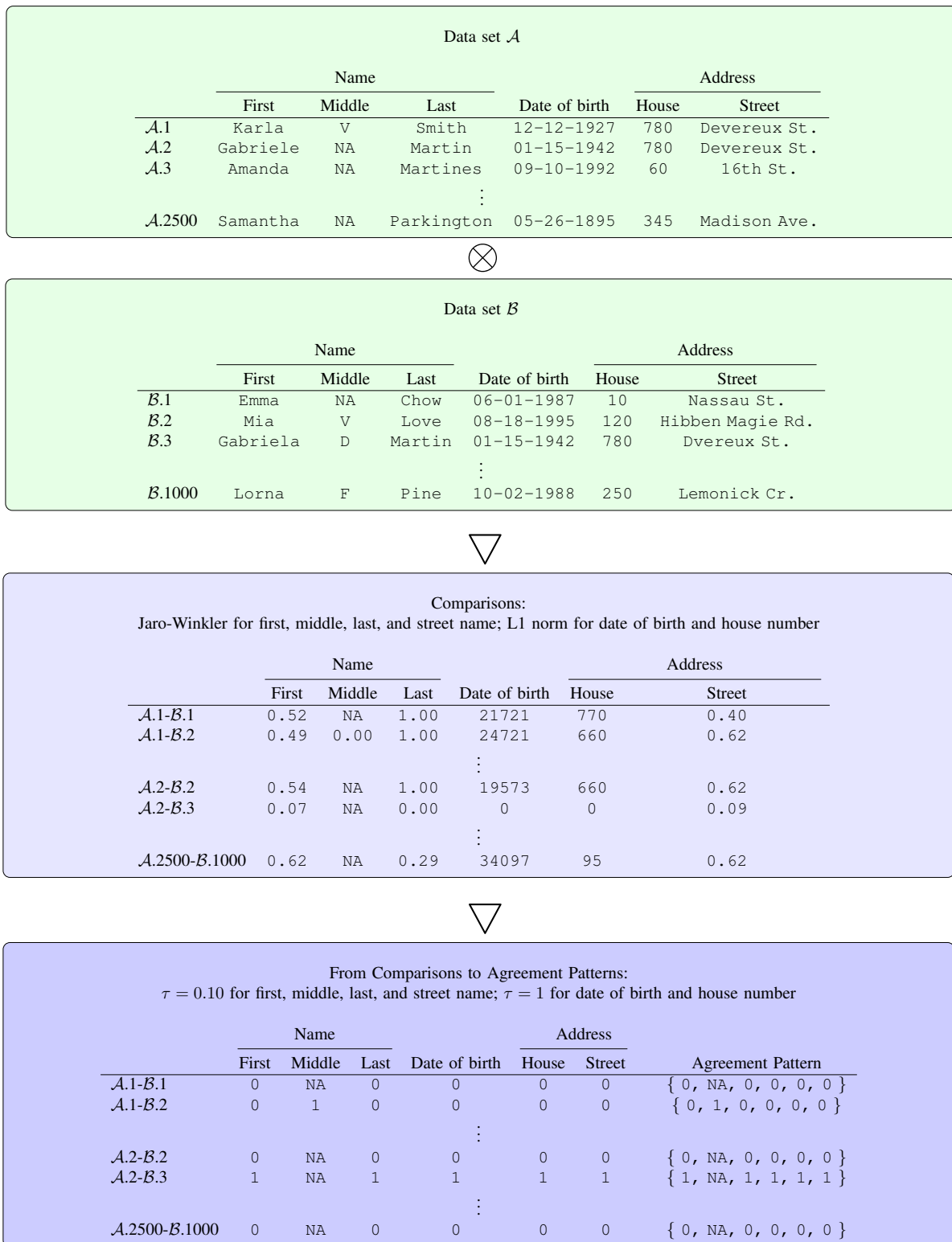


Figure 1: An Illustrative Example on How to Construct Agreement Patterns. The top panels (in green) show two artificial data sets,  $\mathcal{A}$  and  $\mathcal{B}$ , with 2500 and 1000 records, respectively. The third panel shows how the comparisons across values for the different variables are made. The bottom panel shows how we can move from comparisons to agreement values, and consequently to agreement patterns.

## 2.2 The Fellegi-Sunter Model

Fellegi and Sunter (1969) formalized the intuition behind the ideas of Newcombe et al. (1959) and Newcombe and Kennedy (1962), and proposed what is today the workhorse model of probabilistic record linkage. The Fellegi-Sunter model is a two-class mixture model, where the unobserved variable  $M(i, j)$  indicates whether the  $i$ th record in the data set  $\mathcal{A}$  and the  $j$ th record in the data set  $\mathcal{B}$  is a match or not.

The model has the following structure:

$$\gamma_k(i, j) \mid M(i, j) = m \stackrel{\text{indep.}}{\sim} \text{Discrete}(\pi_{km}) \quad (1)$$

$$M(i, j) \stackrel{\text{i.i.d.}}{\sim} \text{Bernoulli}(\lambda) \quad (2)$$

where  $\pi_{km}$  is a vector of length  $L_k$ , containing the probability of each agreement level for the  $k$ th variable given that the pair is a match ( $m = 1$ ) or a non-match ( $m = 0$ ), and  $\lambda$  represents the probability of a match across all pairwise comparisons. Through the parameter  $\pi_{k0}$ , the model allows for the possibility that two records can have identical values for some variables even when they do not represent a match.

The model is based on three key independence assumptions: 1. the latent matching status  $M(i, j)$  is assumed to be independently and identically distributed; 2. conditional independence of the agreement levels across merging variables; and 3. missing at random (MAR). This last assumption was recently introduced in the record linkage literature by Sadinle (2017) and Enamorado, Fifield, and Imai (2018), to avoid ad-hoc decisions about how to represent comparisons involving a missing value.<sup>3</sup>

Under these assumptions, the observed-data likelihood function of the model defined in equations (1) and (2) is given by,

$$\mathcal{L}_{obs}(\lambda, \pi \mid \delta, \gamma) \propto \prod_{i=1}^{N_A} \prod_{j=1}^{N_B} \left\{ \sum_{m=0}^1 \lambda^m (1-\lambda)^{1-m} \prod_{k=1}^K \left( \prod_{l=0}^{L_k-1} \pi_{kml}^{\mathbf{1}\{\gamma_k(i,j)=l\}} \right)^{1-\delta_k(i,j)} \right\}$$

where  $\pi_{kml}$  represents the  $l$ th element of probability vector  $\pi_{km}$ , i.e.,  $\pi_{kml} = \Pr(\gamma_k(i, j) = l \mid M(i, j) = m)$ .

Following the work of Winkler (1988), the model parameters are estimated using the Expectation-Maximization (EM) algorithm (Dempster, Laird, and Rubin 1977).<sup>4</sup> Note that there is no guar-

<sup>3</sup>For example, a common practice in the record linkage literature has been to categorize comparisons involving a missing value as different values (see e.g., Sariyar, Borg, and Pommerening 2012b).

<sup>4</sup>See appendix A.1.1 for more details on how the model parameters are obtained.

antee that the Fellegi-Sunter model will lead to one-to-one matching assignment. If the researcher is interested in imposing such a restriction, the ex-post approach of Jaro (1989) can be used.

## 2.3 Fellegi-Sunter Decision Rules

Fellegi and Sunter (1969) propose an optimal classification plan, where the goal is to separate pairs of records into three groups: matches, non-matches, and cases where model had problems in terms of classification. It is in this last group, known as the clerical review region, where the matching status of each pair of records is adjudicated by *human judgement* in an ex-post manner.

Figure 2 presents the intuition behind the Fellegi-Sunter decision rules on how to separate records into groups. The idea is to select two thresholds so that the false positive and false negative rate are controlled, in other words, keep them below a certain pre-determined value by the researcher. Formally, to separate records into one of the aforementioned classes, the first step Fellegi and Sunter (1969) take is to rank observations according to their likelihood of being a match. To do so, they introduce the following weights for each agreement pattern:

$$W_h = \log \left( \frac{\Pr(\gamma_h \mid M_h = 1)}{\Pr(\gamma_h \mid M_h = 0)} \right) \quad (3)$$

where  $h \in \{1, \dots, H\}$  indexes unique instances of an agreement pattern and  $H$  represents the total number of distinct agreement patterns we observe in the data. Note that larger Fellegi-Sunter weights imply more support in favor of the hypothesis that the pairs of records  $(i, j)$  with agreement pattern  $\gamma_h$  are a match.

The next step in the process is to order pairs and obtain an upper threshold  $W_1$  from:

$$c_1 = \sum_{h: W_h \geq W_1} \Pr(\gamma_h \mid M_h = 0) \quad (4)$$

and, similarly, a lower threshold  $W_2$  from:

$$c_2 = \sum_{h: W_h \leq W_2} \Pr(\gamma_h \mid M_h = 1) \quad (5)$$

where  $c_1$  and  $c_2$  represent values for the false positive and false negative rates that the researcher feels comfortable with e.g.,  $c_1 = c_2 \leq 0.01$ . Fellegi and Sunter (1969) proved that the area between  $W_1$  and  $W_2$ , the clerical review region, is optimal in the sense that there is no other decision rule, for the same level of error tolerance, that will include fewer observations.

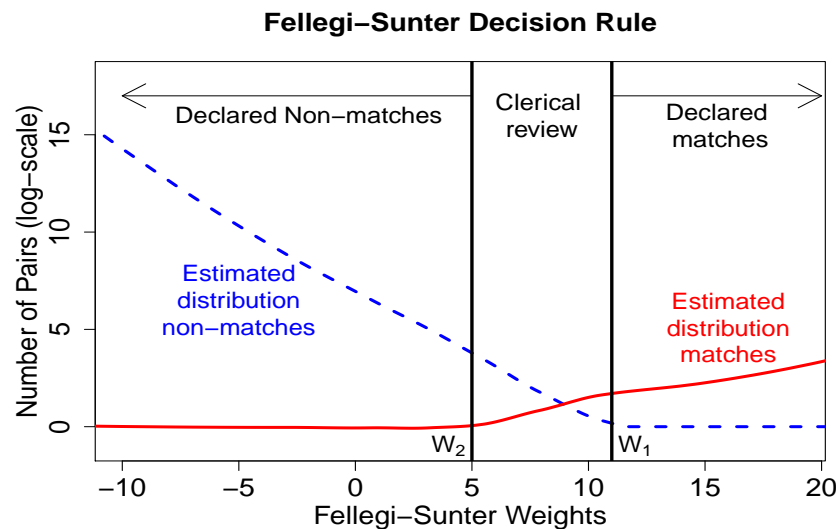


Figure 2: Illustration of the Fellegi-Sunter Decision Rules. Pairwise comparisons with agreement patterns to the left (right) of  $W_2$  ( $W_1$ ) are classified as non-matches (matches). Adjudication of the matching status of pairwise comparisons between  $W_2$  and  $W_1$  is left for clerical review. Note that  $W_2$  ( $W_1$ ) is selected such that the area below the red solid (blue dashed) line which represents the estimated distribution of matches (non-matches) is small.

## 2.4 A Mismatch Between True and Estimated Error Rates

Oftentimes, due to the large number of cases in the clerical review region, researchers avoid a case-by-case manual labeling process; pairs of records are either divided into matches and non-matches, or as recently proposed in Enamorado, Fifield, and Imai (2018) the probability of being a match can be used to control for the uncertainty related to the merging process in subsequent empirical analysis. As noted by Winkler (2002), these approaches are appropriate so long as the overlap between datasets is large, the set of matches and non-matches are well separated, typographical error rates are low or at most moderate, and there are enough fields in common between datasets to overcome faulty data in an specific field. Moreover, as noted by Sadinle (2017), there is always the hope that model assumptions are met (at least in expectation), so that the mixture classes correspond to the set of matches and non-matches.

In situations where those conditions are not met, authors like Thibaudeau (1993), Winkler (1993), Thibaudeau (1993), Belin and Rubin (1995), Larsen and Rubin (2001), Winkler (2006), Winkler and Yancey (2006), Herzog, Scheuren, and Winkler (2010) Murray (2016), Herzog, Scheuren, and Winkler (2010), Sadinle (2017), and Enamorado, Fifield, and Imai (2018) have found that the Fellegi-Sunter model returns estimated error rates (false positives and false negatives) that are not a good approximation of the truth.

Figure 3 illustrates the mismatch between true and estimated error rates. The panel on the



left shows that while the estimated false positive rate (the area under the dashed blue line to the right of  $W_1$ ) is less than 0.01, the true false positive rate is significantly larger (the area under the blue solid line to the right of  $W_1$ ); such a mismatch between an estimate and the truth false positive rate is illustrated by the blue shaded region. Similarly, on the right panel of figure 3 the mismatch between true and estimated false negative rates is illustrated (red shaded area). Moreover, these differences between true and estimated error rates are not greatly improved when relaxing some of the model assumptions made in the Fellegi-Sunter framework (Larsen and Rubin 2001, Sadinle 2017, and Enamorado, Fifield, and Imai 2018). Thus, the question is: can we improve upon the performance of the Fellegi-Sunter model while still retain some of its advantages, such as its simplicity and scalability? The next section lays out a solution that applies selective human judgement to improve the performance of the Fellegi-Sunter model in these scenarios.

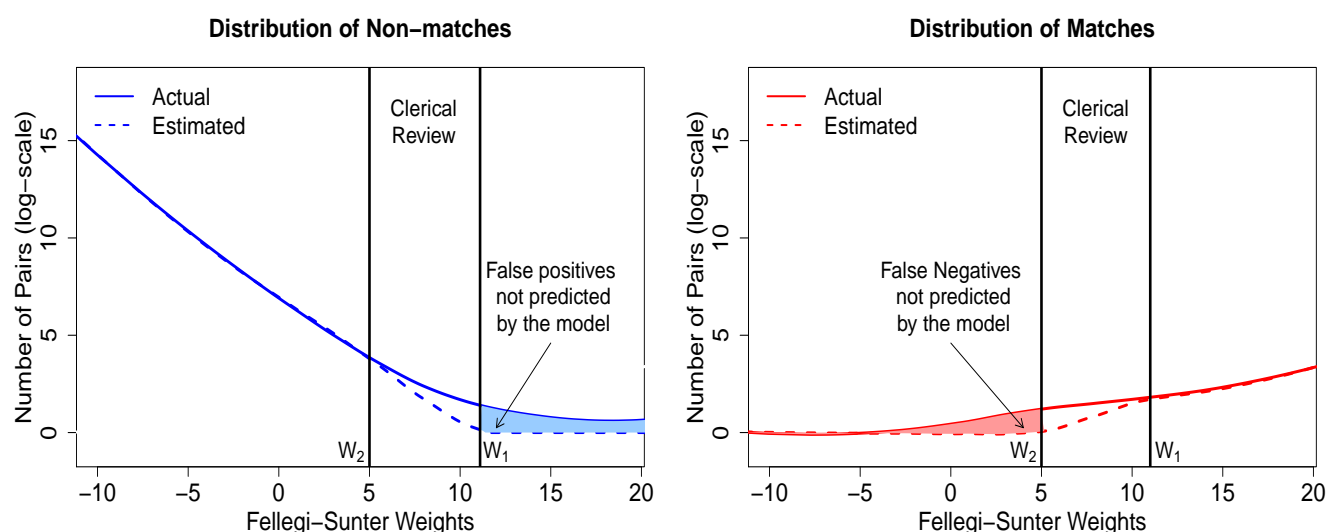


Figure 3: Illustration of the Problem: a Mismatch Between True and Estimated Error Rates. The shaded area in both panels represents the size of bias of the estimated false positive (left panel) and false negative (right panel) error rates if compared to their true counterparts.

### 3 Active Learning for Probabilistic Record Linkage

In this section, I start by presenting a brief description of different machine learning approaches for classification tasks. In addition, I situate the proposed method in the related literature, with an emphasis on how it is designed to directly overcome the drawbacks of previous approaches that aim to incorporate human judgement into probabilistic record linkage. The latter is fol-

lowed by a detailed description of the proposed methodology.

### 3.1 Background

In the machine learning literature, unsupervised learning is a task where only unlabeled observations are used to learn the inherent structure of the data. In classification problems, this translates into learning the unobserved group assignment of different observations. The Fellegi-Sunter model is an example of an unsupervised learning algorithm. For each pairwise comparison, we observe its corresponding agreement pattern ( $\gamma(i, j)$ ), and use this information to predict (learn) its unobserved matching status ( $M(i, j)$ ).

In contrast to unsupervised learning, supervised learning uses labeled data only i.e., observations for which both the predictors and the outcome (labels) are observed. The main advantage of supervised learning over unsupervised learning is that we can actually test how effective a method is, as we have at our disposal objective measures of what constitutes success e.g., how far is our prediction from the truth (Hastie, Tibshirani, and Friedman 2009). In record linkage, supervised learning corresponds to a situation where for each pair of records we observe both its agreement pattern and its true matching status.

Semi-supervised learning aims to encompass the ideas behind supervised and unsupervised learning. In other words, in semi-supervised learning, to train a model we make use labeled and unlabeled data. Still, the problem is that due to the scarcity of labeled data, the amount of unlabeled data at our disposal is orders of magnitude larger. Therefore, for the model to extract signal from the labeled data and not be informed by unlabeled data alone, it is key to increase its relative importance in a principled way. An additional hurdle is that only in exceptional cases a researcher will have access to labeled data. Thus, for semi-supervised learning to be incorporated into any record linkage framework, it is important to find efficient ways to obtain the most informative labeled data. Larsen and Rubin (2001) and Winkler (2002), introduce semi-supervised learning to improve the performance of the Fellegi-Sunter model. They show that by including labeled data in a probabilistic record linkage framework the mismatch between true and estimated error rates can be greatly reduced.

In particular, Winkler (2002) building on the work of Nigam et al. (2000) proposed a model that combines unlabeled and (pre-existing) labeled data to learn the best set of decision rules to divide pairwise comparisons into either matches or non-matches. One of the main advantages of this method is that it balances how much the labeled and unlabeled data contribute to the likelihood of observing an agreement pattern. Thus, the amount of labeled data does not need

to be large but a representative sample of the data of interest. Using this approach, Winkler (2002) finds that the Fellegi-Sunter model, under the conditional independence assumptions discussed in section 2.2, is quite accurate in terms of producing error rates that are statistically indistinguishable from the truth. However, as recognized by Nigam et al. (2000) and Winkler (2002), the main disadvantage of this method is that the set of labeled cases need to exist before training a model. In addition, labeled cases need to be a representative sample of the datasets being merged. For example, Sariyar, Borg, and Pommerening (2012a) note that because of the low frequency of some comparisons, building a representative sample for labeling is a difficult and prohibitively time-consuming task.

Larsen and Rubin (2001), on the other hand, propose an iterative procedure that, as a first step, selects among multiple Fellegi-Sunter style candidate models.<sup>5</sup> Once a model is selected, the second step is to define a clerical review region using a similar procedure as the one described in section 2.3. After those cases are manually labeled, the third step is to fit the model again using labeled and unlabeled data. Finally, these steps are repeated until the number of observation labeled as matches is minimal. Similarly to Winkler (2002), Larsen and Rubin (2001) find that when labeled data is included to recover the parameters of a Fellegi-Sunter model, the estimated false positive and false negative rates are close to the true error rates.

A major caveat with the approach of Larsen and Rubin (2001) is that the number of cases for clerical review, at each iteration, tends to be incredibly large. The reason, as noted above, is that for a semi-supervised model to learn from labeled data and not be guided by unlabeled data alone, labeled observations need to be abundant and at least represent a reasonable fraction of the unlabeled cases (Winkler 2002). Of course, one way to achieve such a goal is to label as many cases as possible. For example, Larsen and Rubin (2001) merged datasets of roughly 10 thousand records each, and had to manually label between two and ten thousand pairs of record to improve the performance of the model. In practice, labelling more than a few thousand cases may take more than a couple days, even for an experienced clerk (Winkler 1995). Therefore, scalability concerns about this approach arise.

### **3.2 The Proposed Method**

To overcome the aforementioned challenges, I propose an active learning approach for probabilistic record linkage. Active learning is a special form of semi-supervised learning that

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<sup>5</sup>For example, this step involves the process of selecting between one Fellegi-Sunter model assuming conditional independence across the merging variables and another model relaxing that specific assumption.

Semi-supervised approaches to Probabilistic Record Linkage within the Fellegi-Sunter framework			
	Larsen and Rubin 2001	Winkler 2002	This paper
No Pre-existing labeled data required	✓	✗	✓
Reasonably sized clerical review tasks	✗	✗	✓
Weights labeled and unlabeled data differently	✗	✓	✓
Iterative process	✓	✗	✓

Table 1: Comparison of the Different Semi-supervised Approaches for Probabilistic Record Linkage. Four dimensions are examined: pre-existence of labeled data, size of the clerical review task, how the likelihood is informed from labeled and unlabeled data, and the iterative nature of the process. The approach proposed in this paper overcomes the problems faced by Larsen and Rubin 2001 and Winkler 2002 by resorting to active learning.

does not require any pre-existing labeled data. In active learning, labels are obtained when a classifier (the model) interactively queries an oracle (a human) about a sample of cases where it has problems to adjudicate labels (cases difficult to classify). Therefore, a classifier can be initially trained using unlabeled data only and subsequently incorporate *human judgement* into the process by manual labeling for those cases difficult to classify.<sup>6</sup> Thus, in probabilistic record linkage problems, active learning directly addresses the practical issues with the methods of Larsen and Rubin (2001) and Winkler (2002), as no pre-existing labeled data is needed and, by requiring a small sample of those cases that are difficult to classify, clerical review tasks can be dramatically reduced.

As noted in table 1, this paper incorporates the virtues of the approaches of Larsen and Rubin (2001) and Winkler (2002), and addresses their main drawbacks using active learning. Additionally, it lays out a sampling scheme specifically designed to tackle the mismatch between true and estimated error rates. It differs from other active learning approaches to record linkage (Sarawagi and Bhamidipaty 2002, Bilenko 2006, Bellare et al. 2012, and Sariyar, Borg, and Pommerening 2012a) as it is embedded a probabilistic record linkage framework. Furthermore, the proposed method directly learns from both labeled and unlabeled data – not only from labeled data as it is the case in the above-mentioned works. Finally, as recognized by Bilenko

<sup>6</sup>See Settles (2010) for a great introduction to active learning.

2006, while those active learning approaches to record linkage are quite appealing, scalability to large datasets is still a concern because the number comparisons needed grows quadratically with the size of the datasets in question. Under the recent computational improvements proposed by Enamorado, Fifield, and Imai (2018), the Fellegi-Sunter model becomes a promising tool in an active learning framework for probabilistic record linkage.

### 3.3 The Algorithm

The basic idea behind the proposed method is to efficiently incorporate *human judgement*, in the form of manually labeled cases, directly into the Fellegi-Sunter model. Due to the iterative nature of active learning, it is best to explain the proposed method through each one of its steps. This is done as follows:

**Step 1. Initialization:** as in most record linkage tasks, we do not observe the true matching status for any pairwise comparison in the cross-product ( $N_A \times N_B$ ) of two datasets  $\mathcal{A}$  and  $\mathcal{B}$ . Thus, in this step, we fit the Fellegi-sunter model with unlabeled data only and under the assumptions described in section 2.2. As in the Fellegi-Sunter framework, we learn the threshold  $W_1$  and  $W_2$  (illustrated in figure 2) using the estimated parameters of the model. These thresholds will serve to guide the selection of cases to be included in the clerical review process.

**Step 2. Sampling informative cases:** in active learning, uncertainty sampling is one the most popular ways to query cases for which the learning algorithm is the least certain about (Lewis and Catlett 1994). For example, in probabilistic record linkage, uncertainty sampling will prioritize labeling efforts in cases where the probability of being a match  $\xi_{ij} = \Pr(M(i, j) = 1 | \gamma(i, j), \delta(i, j)) \approx 0.50$ .<sup>7</sup>

In uncertainty sampling, the prioritization of queries happens in a stream-based fashion i.e., an observation that is difficult to be classified is manually labeled first, the model is fitted to the data again, and then another observation is requested for labeling. Only when the cases predicted as the most difficult for classification are labeled, observations that are farther away in that regard are considered for labeling. In record linkage applications, since labeling is an expensive and time-consuming task, a stream-based strategy is not

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<sup>7</sup>Formally, given the observed comparison data,  $\gamma(i, j)$ , to select the least confident case, we choose  $\gamma(i, j)^* = \arg \max_{\gamma(i, j)} (1 - \hat{\xi}_{ij})$ , where  $\hat{\xi}_{ij} = \max\{\xi_{ij}, 1 - \xi_{ij}\}$ . As a consequence observations with  $\xi_{ij} = 0.50$  are the ones with the smallest margin between classes, and therefore the most uncertain ones in terms of matching status.

ideal as it would take a lot of time and effort (in terms of labeling) to reach cases that are blatant errors that the model predicts as accurate classifications as it is illustrated in figure 3.

To solve this problem, in this paper, I will follow a pool-based approach to select pairwise comparisons to be queried. The latter means that many observations will be chosen for labelling simultaneously. To that end, let  $W_c$  denote the Fellegi-Sunter weight associated with observation(s) that have a match probability  $\xi_h = c$ , where e.g.,  $c = 0.50$ . Then, our measure of uncertainty sampling  $w_h$  can be written as:

$$w_h(W_h, W_c) = K(W_h - W_c) \quad (6)$$

where  $h$  indexes observed agreement patterns and  $K(\cdot)$  is a kernel function centered around  $W_c$  e.g., a Gaussian kernel. Thus, if we select  $N_L$  observations for manual labeling, the number of randomly sampled cases per unique agreement pattern will be given by:

$$N_{L_h} = \begin{cases} N_L \times \frac{\sum_{\{h': W_{h'} \leq W_h\}} w_{h'}}{\sum_{\{h': W_{h'} \leq W_h\}} 1} & \text{if } W_h \leq W_c \\ N_L \times \frac{\sum_{\{h': W_{h'} \geq W_h\}} w_{h'}}{\sum_{\{h': W_{h'} \geq W_h\}} 1} & \text{otherwise} \end{cases} \quad (7)$$

where  $\sum_{h=1}^H N_{L_h} = N_L$ .

Note that if we were to follow the Fellegi-Sunter decisions rules to define a clerical review region, all the observations in the blue shaded area (left panel of figure 4) would be checked by clerks. However, the sampling scheme proposed in this paper will focus its attention in pairwise comparisons around  $W_c$ . In other words, observations in the green shaded region (right panel figure 4) are more likely to be selected, but by virtue of random sampling, a few observations to the left (right) of  $W_2$  ( $W_1$ ) will be selected as well.<sup>8</sup>

**Step 3. Clerical review:** after  $N_L$  pairwise comparisons have been selected for clerical review, the researcher will have to manually adjudicate the matching status for each of them (pseudo truth). In practice three options are given to classify the pair of records: match, non-match, and inconclusive. In the first two cases, a pair of records is considered labeled data, while in the last it is still considered unlabeled.

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<sup>8</sup>In the empirical applications (section 4), it is shown that sampling between 10 and 20 observation per iteration works well in practice.

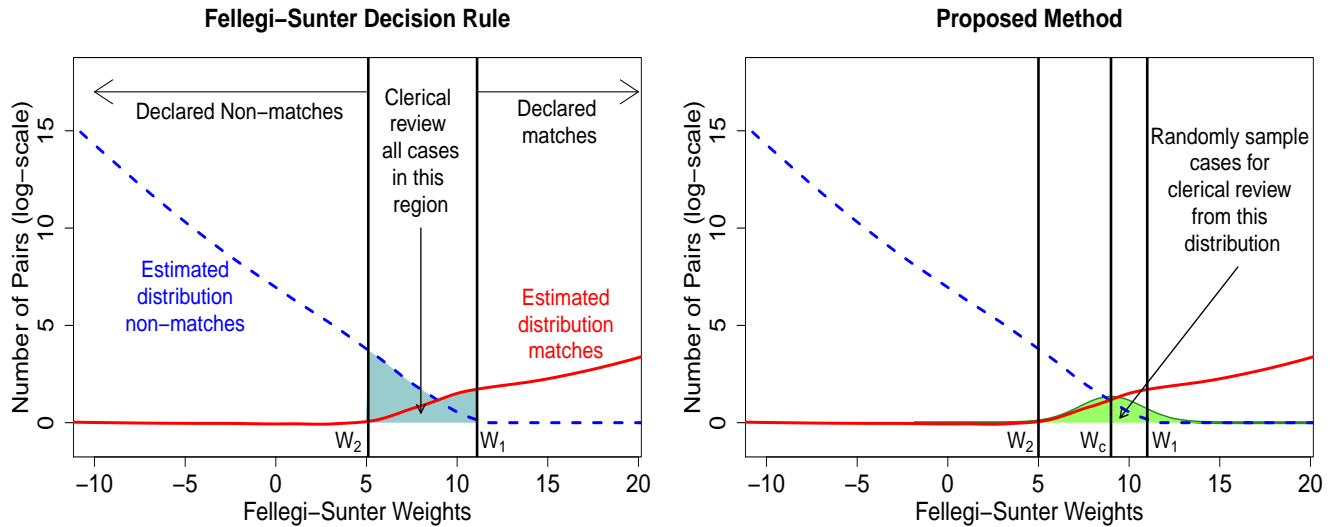


Figure 4: Intuition Behind the Sampling Scheme for Clerical Review Cases. Instead of embarking in a time consuming clerical review tasks as the one the Fellegi-Sunter decision rules would recommend (blue shaded region), the proposed method samples  $N_L$  observations inside and outside the Fellegi-Sunter clerical review region (green shaded area) according to the uncertainty sampling weights  $w_h$  centered around  $W_c$ .

Step 4. **Incorporate newly labeled cases into the model:** to incorporate labeled data into the Fellegi-Model, as Winkler (2002), we will follow the EM- $\Omega$  approach of Nigam et al. (2000) for semi-supervised learning. The idea is to find the best set of parameters that fit both the labeled data and unlabeled data within the Fellegi-Sunter model. The problem is that in record linkage applications, as it is the case for most semi-supervised learning tasks as well, the amount of labeled data overwhelms the information one can extract from the labeled data in a likelihood framework. Hence, a balancing weight  $\Omega \in [0, 1]$  whose purpose is to down-weight the importance of the unlabeled data is needed. Note that for smaller (larger) values of  $\Omega$ , the less (more) information the unlabeled data brings to the model.

Let  $T(i, j) = t$  denote the label status of a pair of records, that is, if  $t = 1$  the matching status for the pair  $(i, j)$  has been labeled by a clerk, while if  $t = 0$  it means that the matching status is still unobserved (unlabeled). Then, the complete data log-likelihood for this modified version of Fellegi-Sunter model can be written as:

$$\log \mathcal{L}_c(\lambda, \pi \mid \delta, \gamma, T, \Omega) \propto$$

$$\begin{aligned}
 & \underbrace{\sum_{i=1}^{N_A} \sum_{j=1}^{N_B} \mathbf{1}\{T(i,j) = 1\} \sum_{m=0}^1 \log \left\{ \lambda^m (1-\lambda)^{1-m} \prod_{k=1}^K \left( \prod_{l=0}^{L_k-1} \pi_{kml}^{\mathbf{1}\{\gamma_k(i,j)=l\}} \right)^{1-\delta_k(i,j)} \right\}}_{\text{Labeled Data}} \\
 & + \Omega \underbrace{\sum_{i=1}^{N_A} \sum_{j=1}^{N_B} \mathbf{1}\{T(i,j) = 0\} \sum_{m=0}^1 \log \left\{ \lambda^m (1-\lambda)^{1-m} \prod_{k=1}^K \left( \prod_{l=0}^{L_k-1} \pi_{kml}^{\mathbf{1}\{\gamma_k(i,j)=l\}} \right)^{1-\delta_k(i,j)} \right\}}_{\text{Unlabeled Data}}
 \end{aligned} \tag{8}$$

This is a non-concave problem, for which a local maximum can still be found with the EM algorithm. Actually, under the conditional independence assumptions made in section 2.2, closed-form solutions exists for all the parameters of the model (see Appendix A.1.2).

Step 5. **Stopping criteria:** if the difference between the parameters of the models is larger than some pre-defined e.g., 0.0001, the process stops. If not, we cycle through Step 2 to 5 until the stopping criteria is met.

As it will be demonstrated in the next section via two empirical applications, adopting an active learning approach and the use of the sampling scheme proposed in this paper results in a more robust probabilistic record linkage process.

## 4 Empirical Applications

As noted throughout this paper, the lack of a unique identifier that links datasets is a common problem faced by researchers when merging datasets. Still, additional challenges might appear as well e.g., the potential identifiers for the merge are noisy, the number of potential identifiers is small, the information in those identifiers is not rich enough to separate matches from not matches, etc. These are all situations where previous probabilistic record linkage models perform poorly. In this section, I test the robustness and demonstrate the advantages of the proposed methodology in two empirical applications. The first application validates the method as the true matching status for each pair of records is known ex-ante. In the second application, I will revisit a turnout validation study that involved one of the most extensive, detailed, and time-consuming clerical reviews in the social sciences.



## 4.1 A Validation Study: Merging Data on Local-level Politicians in Brazil

Instead of making use of synthetic data to test the performance of the model, I validate the model by merging two datasets where the true matching status is known. To do this, I merge data on local-level candidates in Brazil for the 2012 and 2016 municipal elections. They were obtained from the *Tribunal Superior Eleitoral* (TSE), the Brazilian office in charge of electoral matters. Each dataset contains information for more than 450,000 local politicians spread across the 5,570 Brazilian municipalities. In addition, these datasets contain more than 20 variables with information about the office for which a candidate was running, her party affiliation, the coalition she represented (if any), whether they were elected or not, and other information.<sup>9</sup>

Among all the variables, only six can help identify an individual across the two datasets: names, date of birth, marital status, the municipality and state where they were candidates, and the *Cadastro de Pessoas Físicas* (CPF), which is the Brazilian individual taxpayer registry identification number. Indeed, what makes these datasets ideal to validate the proposed method is that they include the CPF which is a unique identifier for each candidate. Furthermore, while the CPF is perfectly recorded for each individual, the other potential identifiers between datasets are not as they are manually entered into the database making them subject to misspellings and other types of errors. In addition, some of these fields might have changed over the course of four years e.g., marital status and names.

Merging two datasets with more than 450,000 records each would result in more than 200 billion comparisons. To reduce the number of comparisons, a blocking scheme is necessary. Specifically, for each local-level politician, the data is blocked by state of residence and gender. Such a strategy results in 52 merges (26 states times two gender categories). The block size ranges from 309 thousand pairs (Roraima/Female) to 3 billion pairs (São Paulo/Male) with the median value of 52 million pairs (Mato Grosso/Male). To make comparisons possible, I use three levels of agreement (different, similar, identical (or nearly so)) for the following variables: first name, last name, and age. For the string-valued variables we used Jaro-Winkler as our measure of distance with 0.88 and 0.94 as the thresholds (see Winkler 1990). In the case of age, the  $L1$  norm was used with thresholds: 1 and 2.5 (see Jackman and Spahn 2018 and Enamorado and Imai 2018 for similar choices). The remaining variables: municipality name and marital status, were compared based on whether or not they had an identical value.

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<sup>9</sup>The data used in the application can be directly from the TSE here: <http://www.tse.jus.br/eleicoes/estatisticas/repositorio-de-dados-eleitorais-1/repositorio-de-dados-eleitorais>

Note that while the amount of missing information per merging field is not too large (less than 1 percent), if an exact match based on these fields were to be conducted, only 61% of the more than 168 thousand true matches would be recovered due to other sources of noise in the data (e.g., typographical errors).

	Fellegi-Sunter	Active learning	Actual
Match rate	39.98	35.10	34.81
Rate of party switchers	57.75	52.70	52.59
Number of labeled cases	0	2,080	

Table 2: Match Rate and Rate of Party Switchers for Local-level Politicians in Brazil (2012 - 2014). Merging is based on the Fellegi-Sunter model (“Fellegi-Sunter”), the proposed methodology (“Active learning”), and the unique identifier (“Actual”). Overall, the proposed method produce rates that are almost identical to their true counterparts.

Table 2 summarizes the results of the merge. In terms of match rates, estimates from the Fellegi-Sunter model would lead to a match rate that is 5 percentage points larger than the truth. Using the proposed method with  $\Omega = 0.01$ , the match rate we obtain is only 0.29 percentage points apart from the true. For each of the 52 blocks, I label 20 record pairs, and after only two iterations of the proposed model, convergence was achieved. The latter results in manual labeling the matching status of 2,080 pairs of records, which represents 4% of the clerical review region suggested by the Fellegi-Sunter framework (53,502 cases).

The second row of table 2 shows that if one wanted to study the rate of party-switching between 2012 and 2016, the estimated rate using the Fellegi-Sunter model would be 5 percentage points larger than the truth. In contrast, the party-switching rate obtained from the proposed methodology is virtually the same as the one we would obtain by merging the datasets using the unique identifier. As shown in appendix A.3.1 these results are robust to the selection of  $\Omega$  conditional on its value being positive but small. Moreover, in the same appendix I explore the effects of combining the proposed procedure with a noisy labeler. I find that if more than 30% manual mis-classifications (completely at random) are made, the rate of matches and party-switchers are as biased as the ones obtained from fitting the Fellegi-Sunter to unlabeled data.

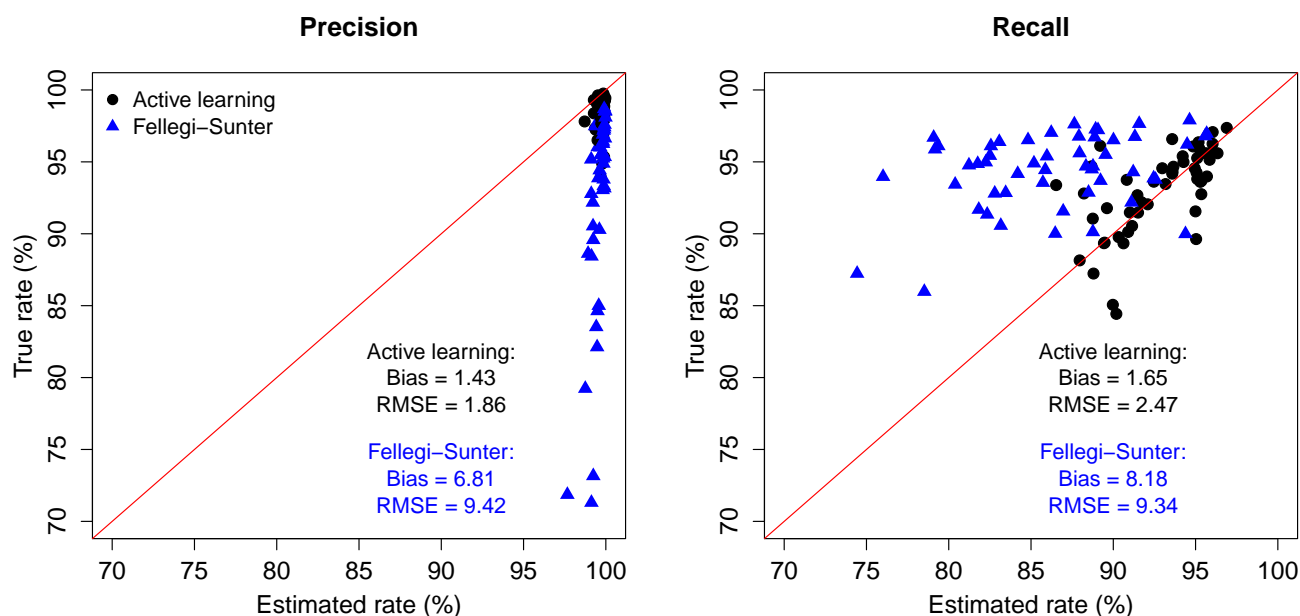


Figure 5: Precision and Recall Rates Across the 52 Blocks Involved in the Merging Process. The recall rate refers to the share of true matches found, while the precision rate represents the share of true matches among declared matches. Overall, the estimates obtained from Fellegi-Sunter (blue triangles) are less accurate when compared to the true if compared to those obtained from the active learning (black dots).

Figure 5 presents precision and recall rates, two common measures used to assess the accuracy of a classifier. The precision rate represents the share of true matches out of all the records classified as matches. The recall rate, on the other hand, denotes the share of true matches that we were able to recover.<sup>10</sup> Figure 5 shows that both in terms of precision (left panel) and recall (right panel) rates, active learning (black solid circles) produces estimates that are much closer to the truth if compared to the ones obtained from the Fellegi-Sunter model alone (blue solid triangles). In terms of bias and root mean squared error, we can see that active learning significantly outperforms the Fellegi-Sunter model by producing estimates that much closer to the truth. All these improvements are important, as accurate parameters estimates in probabilistic record linkage are key to properly account for the uncertainty in the merging process (Enamorado, Fifield, and Imai 2018).

Finally, to illustrate why the proposed sampling scheme is an efficient use of *human judgment* to improve the accuracy of probabilistic record linkage, figure 6 presents precision and

<sup>10</sup>These rates are obtained as a weighted averages using the match probability as weights. Under some mild assumptions, that strategy is shown to be appropriate by Enamorado, Fifield, and Imai (2018). In particular, one of the most important conditions is that the rankings obtained from the Fellegi-Sunter and Enamorado, Fifield, and Imai (2018) are equivalent. As shown in Appendix A.2 this is indeed the case.

recall rates obtained from: 1. the proposed methodology ("Uncertainty sampling"); and 2. the proposed methodology but replacing uncertainty with random sampling ("Random sampling"). As it can be noted in the figure, by labelling the matching status of 20 pairs of records (per block and iteration), the proposed method achieves precision and recall rates of 99% and 93%, respectively. If instead of uncertainty sampling, we use random sampling in step 3, we would need to label more than 200 pairs of records (per block and iteration) to achieve similar levels of accuracy. In other words, instead of labeling 2,080 pairs of records, we would require to manually adjudicate the matching status of 10 times that quantity. These results corroborate what the previous literature on active learning has found i.e., random sampling is not an optimal approach to select informative cases (see Settles 2010).

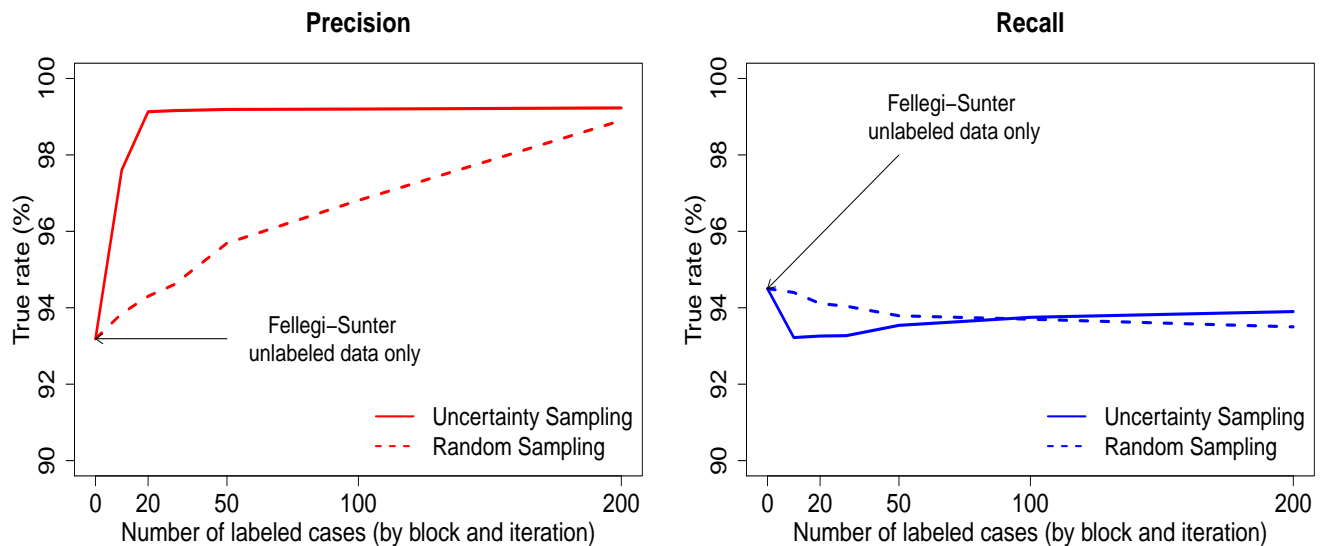


Figure 6: The Power of Uncertainty vs Random Sampling for Manual Labeling. Precision (red) and recall (blue) rates across different amounts of labeled data per iteration and block group used for the merge. The recall rate refers to the share of true matches found, while the precision rate represents the share of true matches among declared matches. The estimates obtained from the proposed method (solid lines) dominate those from the replacing uncertainty with simple random sampling (dashed lines).

## 4.2 Validating Turnout for the 2016 ANES

The American National Election Studies (ANES) is one of the most prestigious and methodologically rigorous public opinion study in the United States. The target population of the ANES are U.S. citizens eligible to vote. Since 2008, the ANES is carried out via two interview modes: the traditional face-to-face interviews; and the nowadays more common Internet interviews. The face-to-face component of the ANES is a multi-stage stratified cluster sample of

residential addresses, which due to financial constraints does not include Alaska and Hawaii. The Internet component of the ANES is a random sample of residential addresses in all the 50 U.S. states and the District of Columbia – from these addresses, individuals are selected to be part of the study. In 2016, out of 4,271 ANES respondents, 1,181 were face-to-face and 3,090 were Internet respondents; and the corresponding attrition rate from the pre-election to post-election surveys was 10% for the face-to-face and 16% for the Internet component.<sup>11</sup>

Motivated by the large gap between self-reported and validated turnout rates for previous ANES studies, Enamorado and Imai (2018) through a research collaboration agreement with the ANES, merged the 2016 ANES with a nationwide voter file using the Fellegi-Sunter model as implemented in fastLink, in order to validate the self-reported turnout of each ANES respondent. The merge was conducted based on the following common variables: first and last name, age, house number, street name, and postal code.

Merging the ANES with the voter file of more than 180 million observations would result in a total of over 756 billion comparisons. To reduce the number of comparisons, Enamorado and Imai (2018) blocked the data according to gender and state of residence, which resulted in 102 blocks. The block size ranges from 48,315 pairs (Hawaii/Female: ANES = 3, Voter file = 16,105) to 705 million pairs (California/Female: ANES = 225, Voter file = 3,137,276) with the median value of 11 million pairs (Idaho/Male: ANES = 28, Voter file = 426,636). Finally, to make comparisons possible, we selected three levels of agreement (different, similar, identical (or nearly so)) for the following variables: first name, last name, street name, and age. For the string-valued variables we used Jaro-Winkler as our measure of distance with the following thresholds: 0.85 and 0.94. In the case of age, the *L1* norm was used with thresholds: 1 and 2.5. The remaining variables, house number and zip code, were compared based on whether they had an identical value or not.

Enamorado and Imai (2018), conducted an extensive and time-consuming clerical review for each ANES respondent. Unlike the previous empirical application (section 4.1) where the ground truth is known ex-ante, the goal of the clerical review was to approximate the truth (pseudo-truth) by product of strenuous manual coding. The clerical review discarded 280 false-matches for the ANES for which it was found that a survey respondent is matched with a different individual.

The proposed method revisits the results in Enamorado and Imai (2018). In particular, for

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<sup>11</sup>For more details on the sampling design see American National Election Studies (2017) and DeBell et al. (2016).

Step 2 (sampling informative cases) the number of observations selected for manual labeling was set to the minimum between 10 and the total amount of ANES respondents per block-group. In practice, the latter is done because there are states like Hawaii and South Dakota for which the ANES only interviewed a limited number of individuals – in those instances, labeling more pairs than observations available would be inefficient as it would be enough to check the best match available for those observations. In all, by implementing the active learning approach here, only 644 record pairs needed to be labeled, which represents 15% of the original clerical review conducted by Enamorado and Imai (2018) and 10% of the 6215 record pairs the decision rules of Fellegi-Sunter would suggest for labeling. The proposed method cycled through Steps 1 – 5 two times for the largest states (California, New York, Texas, Florida, Pennsylvania) while only one iteration was necessary for the remaining block-groups. Note that as in the previous empirical application, I present results for the balancing parameter  $\Omega$  when set equal to 0.01 – however, in appendix A.3.2 other values of  $\Omega$  are explored as well. In particular, the larger the value of  $\Omega$  the closer to the results obtained using unlabeled data.

Table 3 summarizes the results for the match rate among the ANES respondents. The match rate is given separately for the face-to-face and Internet samples as well as for the combined sample (“Overall”). The results are based on the Fellegi-Sunter model with unlabeled data (“Fellegi-Sunter”), the original clerical review in Enamorado and Imai (2018) (“clerical review”) and the proposed method (“Active learning”). As a reference, two estimates of the registration rate are presented here. The first (“Voter file active”) is the total number of registered “active” voters in the voter file divided by the number of eligible voters. Given that the exact definition of active voters varies by state and some states do not distinguish active and inactive voters, these estimates may still overestimate the actual registration rate in the population. The second one is the estimated registration rate based on self-reports from the Voter Supplement of the Current Population Survey (CPS) from the U.S. Census Bureau, which is an additional questionnaire of the CPS focusing on voting and registration that typically produces estimates close to the actual rates observed in the population.

Table 3 shows that the match rates based on the Fellegi-Sunter model using unlabeled data alone (“Fellegi-Sunter”) are similar to the registration rates based on active voters – which as noted above might be an overestimate of the actual rate. In contrast, the estimates obtained from the proposed methodology cannot be statistically distinguished from the most comprehensive clerical review estimates. The turnout rates produced from the clerical review of En-

	Post-election Match Rates			Registration rate	
	Fellegi-Sunter	Clerical review	Active learning	Voter file active	CPS
Overall	77.15 (0.67)	69.85 (0.76)	70.88 (0.75)	76.57	70.34 (1.40)
Face-to-face	75.64 (1.27)	69.12 (1.42)	69.03 (1.41)	76.43	70.40 (1.39)
Internet	77.77 (0.79)	70.15 (0.90)	71.64 (0.88)	76.57	70.34 (1.40)
Number of labeled cases	0	4,271	644		

Table 3: Match Rates from the Results of Merging the 2016 ANES with the Nationwide Voter File. The match rates are computed separately for the face-to-face and Internet samples as well as together for the overall sample. Merging is based on the Fellegi-Sunter model (“Fellegi-Sunter”), the original clerical review in Enamorado and Imai 2018 (“Clerical review”), and the proposed methodology (“Active learning”). Standard errors are given within parentheses. As a benchmark the estimated registration rates from the voter files (Voter file active) as well as the self-reported registration rate from the Current Population Survey (CPS) are reported.

amorado and Imai (2018) and the one from the proposed approach are much closer to the self-reported registration rates from the CPS. Overall, there is little difference in the results across interview modes.

To further explore the gains of labeling just a small number of observations, the validated turnout rates are presented in table 4. These validated turnout rates are calculated as a weighted average of the binary turnout variable from the voter file where the match probability is used as a weight. Again, the results obtained from the Fellegi-Sunter model (“Fellegi-Sunter”), the clerical review of Enamorado and Imai 2018 (“clerical review”), and the proposed methodology (“Active learning”) are compared with the actual turnout rates based on the voter file (“Voter file”) and the United States election project (“Election project”). The standard errors that account for the sampling design of the ANES are given in parentheses.

In table 4, we see a similar pattern as in table 3. Due to not properly accounting for false positives, the validated turnout rate obtained from the Fellegi-Sunter model alone is 5 percentage points larger than the rates from the comprehensive clerical review and the proposed method. While both measures get closer to the actual turnout rates observed in the population, active learning requires only labeling 644 cases, while the comprehensive clerical review of Enamorado and Imai 2018 involved more than 6 times as many. Finally, it is worth noting

that the closeness between validated and actual turnout rates can be considered evidence in favor that through a rigorous sampling procedure the ANES is able to account problems like unit non-response and attrition, and still be representative of its target population.

	Post-election			Actual turnout	
	Fellegi-Sunter	clerical review	Active learning	Voter file	Election project
Overall	64.96 (0.96)	59.77 (1.00)	60.74 (1.01)	57.55	58.83
Face-to-face	67.59 (1.69)	63.07 (1.83)	63.55 (1.91)	57.58	58.86
Internet	63.99 (1.15)	58.55 (1.18)	59.72 (1.91)	57.55	58.83
Number of labeled cases	0	4,271	644		

Table 4: Validated Turnout Rates among the Survey Respondents from the 2016 ANES. The turnout rates are computed separately for the face-to-face and Internet samples as well as together for the overall sample. The validated turnout rates obtained from the probabilistic model alone (“Fellegi-Sunter”), the model plus clerical review (“clerical review”), and the proposed methodology (“Active learning”) are compared to the actual turnout rate for the corresponding target population based on the voter file and the data from the United States election project. The standard errors are given in parentheses.

## 5 Concluding Remarks and Future Work

Incorporating information from multiple sources is at the core of social science research. In scenarios where a unique identifier is missing, the Fellegi-Sunter model of probabilistic record linkage has been proven to be a useful tool, especially in situations where the overlap between the datasets to be merged is large and the amount of noise in the data is moderate. However, in many common situations, the data at hand is far from perfect, which leads to poor estimates for the false match and false non-match rates when using the the Fellegi-Sunter model. To detect such problems, the researcher has to rely on lengthy clerical reviews or ad-hoc methods such as random spot checking.

In this paper, through active learning, I propose a method that efficiently incorporates *human judgement* into parameter estimation of probabilistic record linkage models. The method not only approximates error rates quite well, but offers guidance in how to conduct a clerical review that requires manual labeling a small sample of the most informative cases i.e., those



instances where the probabilistic model has problem adjudicating the matching status of a pair of records. Of course, there is a price: manual labeling the matching status of a few cases. However, as shown in the empirical applications, even when merging large datasets, the accuracy gains outweighs the costs.

While the proposed methodology offers a robust approach to probabilistic record linkage, incorporating such a technique with generative models that aim to model comparisons in a more flexible way i.e., beyond agreement patterns, could be an interesting avenue of future research. In addition, to further improve the proposed methodology, it is critical to find ways about how to find an optimal number of pairs to be labeled at each iteration; an open question in the active learning literature. Finally, even when the Fellegi-Sunter offers an excellent first approximation to many record linkage tasks, the combination of ensemble methods and semi-supervised appears to be a promising way to improve probabilistic record linkage.

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## A Supplementary Appendix

### A.1 Expectation Maximization (EM) Algorithm

#### A.1.1 EM for the Fellegi-Sunter Model

From the E-Step, we can compute the match probability for each pair using the Bayes rule as follows:

$$\begin{aligned}\xi_{ij} &= \Pr(M(i, j) = 1 \mid \delta(i, j), \gamma(i, j)) \\ &= \frac{\lambda \prod_{k=1}^K \left( \prod_{l=0}^{L_k-1} \pi_{k1l}^{\mathbf{1}\{\gamma_k(i, j)=l\}} \right)^{1-\delta_k(i, j)}}{\sum_{m=0}^1 \lambda^m (1-\lambda)^{1-m} \prod_{k=1}^K \left( \prod_{l=0}^{L_k-1} \pi_{kml}^{\mathbf{1}\{\gamma_k(i, j)=l\}} \right)^{1-\delta_k(i, j)}}\end{aligned}\quad (9)$$

and from the M-Step we obtain:

$$\lambda = \frac{1}{N_A N_B} \sum_{i=1}^{N_A} \sum_{j=1}^{N_B} \xi_{ij} \quad (10)$$

$$\pi_{kml} = \frac{\sum_{i=1}^{N_A} \sum_{j=1}^{N_B} \mathbf{1}\{\gamma_k(i, j) = l\} (1 - \delta_k(i, j)) \xi_{ij}^m (1 - \xi_{ij})^{1-m}}{\sum_{i=1}^{N_A} \sum_{j=1}^{N_B} (1 - \delta_k(i, j)) \xi_{ij}^m (1 - \xi_{ij})^{1-m}} \quad (11)$$

with a suitable set of starting values we cycle through the E and M-Steps until some convergence criteria is met e.g., the log-likelihood of the model increases less than a certain threshold (see Enamorado, Fifiield, and Imai 2018).

### A.1.2 EM- $\Omega$

In the case of the proposed method, for unlabeled observations ( $t = 0$ ), the E-step takes the following form:

$$\begin{aligned}\zeta_{ij}^0 &= \Pr(M(i, j) = 1 \mid \delta(i, j), \gamma(i, j), T(i, j) = 0) \\ &= \frac{\lambda \prod_{k=1}^K \left( \prod_{l=0}^{L_k-1} \pi_{k1l}^{\mathbf{1}\{\gamma_k(i, j)=l\}} \right)^{1-\delta_k(i, j)}}{\sum_{m=0}^1 \lambda^m (1-\lambda)^{1-m} \prod_{k=1}^K \left( \prod_{l=0}^{L_k-1} \pi_{kml}^{\mathbf{1}\{\gamma_k(i, j)=l\}} \right)^{1-\delta_k(i, j)}}\end{aligned}\quad (12)$$

For labeled data ( $t = 1$ ), the matching status is fixed at the qualitative assessment made by the researcher:

$$\zeta_{ij}^1 = \begin{cases} 1 & \text{if } (i, j) \text{ is labeled as Match} \\ 0 & \text{if } (i, j) \text{ is labeled as Non-match} \end{cases} \quad (13)$$

While the M-step, the parameters of the model are determined by labeled and unlabeled data as follows:

$$\lambda = \frac{\sum_{i=1}^{N_A} \sum_{j=1}^{N_B} \sum_{t=0}^1 \Omega^{1-t} \mathbf{1}\{T(i, j) = t\} \zeta_{ij}^t}{N_L + \Omega(N_A N_B - N_L)} \quad (14)$$

$$\pi_{kml} = \frac{\sum_{i=1}^{N_A} \sum_{j=1}^{N_B} \sum_{t=0}^1 \Omega^{1-t} \mathbf{1}\{T(i, j) = t\} \mathbf{1}\{\gamma_k(i, j) = l\} (1 - \delta_k(i, j)) (\zeta_{ij}^t)^m (1 - \zeta_{ij}^t)^{1-m}}{\sum_{i=1}^{N_A} \sum_{j=1}^{N_B} \sum_{t=0}^1 \Omega^{1-t} \mathbf{1}\{T(i, j) = t\} (1 - \delta_k(i, j)) (\zeta_{ij}^t)^m (1 - \zeta_{ij}^t)^{1-m}} \quad (15)$$

where  $N_L$  represents the number of labeled cases and, consequently,  $N_A N_B - N_L$  denotes all the unlabeled pairs. Again, with a suitable set of starting values, we repeat the E-step and M-step until convergence.

## A.2 Equivalence between Rankings

**Proposition 1:** the ranking obtained by sorting agreement patterns according to their Fellegi-Sunter weights ( $W_{ij}$ ) is the same as the one would obtain by using the probability of being a match ( $\zeta_{ij}$ ) instead.

*Proof:* Note that for every observed agreement pattern  $h \in \{1, \dots, H\}$ , where  $H$  is the total number of observed agreement patterns, if we divide the numerator and denominator of equation 12 by  $\lambda \Pr(\gamma_h \mid M_h = 0)$  we get:



$$\tilde{\zeta}_h = \frac{R_h}{R_h + \frac{1-\lambda}{\lambda}}$$

where  $R_h = \frac{\Pr(\gamma_h | M_h = 1)}{\Pr(\gamma_h | M_h = 0)}$ . After some rearranging, the equation above is equivalent to:

$$R_h = \kappa \times \frac{\tilde{\zeta}_h}{1 - \tilde{\zeta}_h}$$

the ratio  $\kappa = \frac{1-\lambda}{\lambda}$  is always positive and and in record linkage problems strictly larger than

1. Thus, if  $\tilde{\zeta}_h$  increases, so does  $R_h$  as  $\frac{\partial R_h}{\partial \tilde{\zeta}_h} = \frac{\kappa}{(1-\tilde{\zeta}_h)^2} > 0$ .

Therefore, since the logarithm is a monotonically increasing function, that means that for  $h$  and  $h'$ , with  $h \neq h'$  and  $\tilde{\zeta}_h \geq \tilde{\zeta}_{h'}$ , we have that  $W_h = \log R_h \geq \log R_{h'} = W_{h'}$ . The latter is true for any pair of agreement patterns, so the ranking induced by  $\tilde{\zeta}_h$  is preserved by  $W_h$ .

Following a similar rationale, one can argue that  $W_h = \log R_h \geq \log R_{h'} = W_{h'}$  if and only if  $R_h \geq R_{h'}$ . The latter directly implies that  $\tilde{\zeta}_h \geq \tilde{\zeta}_{h'}$  for every pairwise comparison between agreement patterns. Therefore the rankings from both approaches are equivalent.QED.

Proposition 1 discards any possible difference in the results obtained from the Fellegi-Sunter model if one were to use either the Fellegi-Sunter decision rules or the one proposed in Enamorado, Fifield, and Imai (2018).

### A.3 Additional Empirical Results

#### A.3.1 A Validation Study: Merging Data on Local-level Politicians in Brazil

	Fellegi-Sunter	Active learning			Actual
		$\Omega = 0.01$	$\Omega = 0.05$	$\Omega = 0.10$	
Match rate	39.98	35.10	36.36	36.76	34.81
Rate of party switchers	57.75	52.70	53.05	53.46	52.59

Table 5: Match Rate and Rate of Party Switchers for Local-level Politicians in Brazil (2012 - 2014). Merging is based on the Fellegi-Sunter model (“Fellegi-Sunter”), the proposed methodology (“Active learning”) for three values of  $\Omega$ , and a unique identifier (“Actual”). Overall, the proposed method produce rates that are almost identical to their true counterparts.

	Active learning with a mis-classification equal to:			
	0%	15%	30%	Actual
Match rate	35.10	37.00	39.05	34.81
Rate of party switchers	52.70	53.63	56.91	52.59

Table 6: The Effect of a Noisy Manual Labeling Process. Match Rate and Rate of Party Switchers for Local-level Politicians in Brazil (2012 - 2014). Merging is based on the proposed methodology (“Active learning”) for three values of manual mis-classification, and a unique identifier (“Actual”). Mis-classifications are added completely at random to the labeled data. For active learning,  $\Omega$  is set to 0.01.

### A.3.2 Validating Turnout for the 2016 ANES

	Post-election Match Rates				
	Fellegi- Sunter	Clerical review	Active learning		
			$\Omega = 0.01$	$\Omega = 0.05$	$\Omega = 0.10$
Overall	77.15 (0.67)	69.85 (0.76)	70.88 (0.75)	73.19 (0.72)	73.89 (0.71)
Face-to-face	75.64 (1.27)	69.12 (1.42)	69.03 (1.41)	71.19 (1.37)	71.82 (1.36)
Internet	77.77 (0.79)	70.15 (0.90)	71.64 (0.88)	74.01 (0.85)	74.74 (0.84)

Table 7: Match Rates from the Results of Merging the 2016 ANES with the Nationwide Voter File. The match rates are computed separately for the face-to-face and Internet samples as well as together for the overall sample. Merging is based on the Fellegi-Sunter model (“Fellegi-Sunter”), the original clerical review in Enamorado and Imai 2018 (“Clerical review”), and the proposed methodology (“Active learning”) for three values of  $\Omega$ . Standard errors are given within parentheses. As a benchmark the estimated registration rates from the voter files (Voter file active) as well as the self-reported registration rate from the Current Population Survey (CPS) are reported.

	Post-election Match Rates				
	Fellegi-Sunter	Clerical review	Active learning		
			$\Omega = 0.01$	$\Omega = 0.05$	$\Omega = 0.10$
Overall	64.96 (0.96)	59.77 (1.00)	60.74 (1.01)	62.15 (0.95)	62.59 (0.95)
Face-to-face	67.59 (1.69)	63.07 (1.83)	63.55 (1.91)	64.72 (1.87)	65.06 (1.83)
Internet	63.99 (1.15)	58.55 (1.18)	59.72 (1.91)	61.21 (1.10)	61.68 (1.11)

Table 8: Validated Turnout Rates among the Survey Respondents from the 2016 ANES. The turnout rates are computed separately for the face-to-face and Internet samples as well as together for the overall sample. The validated turnout rates obtained from the probabilistic model alone (“Fellegi-Sunter”), the model plus clerical review (“clerical review”), and the proposed methodology (“Active learning”) for three values of  $\Omega$ . The standard errors are given in parentheses.

# Exhibit K.



**The Commonwealth of Massachusetts**  
**William Francis Galvin**

Minimum Fee: \$500.00

Secretary of the Commonwealth, Corporations Division  
One Ashburton Place, 17th floor  
Boston, MA 02108-1512  
Telephone: (617) 727-9640

**Certificate of Organization**

(General Laws, Chapter )

**Federal Employer Identification Number:** 001127713 (must be 9 digits)

**1. The exact name of the limited liability company is:** TELEX SERVICES LLC

**2a. Location of its principal office:**

No. and Street: 104 BROADWAY  
City or Town: SOMERVILLE State: MA Zip: 02145 Country: USA

**2b. Street address of the office in the Commonwealth at which the records will be maintained:**

No. and Street: 104 BROADWAY  
City or Town: SOMERVILLE State: MA Zip: 02145 Country: USA

**3. The general character of business, and if the limited liability company is organized to render professional service, the service to be rendered:**

FACILITATE OR OTHERWISE ACQUIRE MARKETING AND INVESTMENT OPPORTUNITIES FOR CLIENTS.

**4. The latest date of dissolution, if specified:**

**5. Name and address of the Resident Agent:**

Name: DELMY ARGUETA  
No. and Street: 104 BROADWAY  
City or Town: SOMERVILLE State: MA Zip: 02145 Country: USA

**I, DELMY ARGUETA resident agent of the above limited liability company, consent to my appointment as the resident agent of the above limited liability company pursuant to G. L. Chapter 156C Section 12.**

**6. The name and business address of each manager, if any:**

Title	Individual Name First, Middle, Last, Suffix	Address (no PO Box) Address, City or Town, State, Zip Code
MANAGER	LOUIS A MORALES	104 BROADWAY SOMERVILLE, MA 02145

**7. The name and business address of the person(s) in addition to the manager(s), authorized to execute documents to be filed with the Corporations Division, and at least one person shall be named if there are no managers.**

Title	Individual Name First, Middle, Last, Suffix	Address (no PO Box) Address, City or Town, State, Zip Code
SOC SIGNATORY	BLANCA M MORALES	104 BROADWAY

SOMERVILLE, MA 02145

**8. The name and business address of the person(s) authorized to execute, acknowledge, deliver and record any recordable instrument purporting to affect an interest in real property:**

<b>Title</b>	<b>Individual Name</b> First, Middle, Last, Suffix	<b>Address</b> (no PO Box) Address, City or Town, State, Zip Code
REAL PROPERTY	LOUIS A MORALES	104 BROADWAY SOMERVILLE, MA 02145

**9. Additional matters:**

**SIGNED UNDER THE PENALTIES OF PERJURY, this 6 Day of February, 2014,**  
**LOUIS A MORALES**

*(The certificate must be signed by the person forming the LLC.)*

THE COMMONWEALTH OF MASSACHUSETTS

I hereby certify that, upon examination of this document, duly submitted to me, it appears that the provisions of the General Laws relative to corporations have been complied with, and I hereby approve said articles; and the filing fee having been paid, said articles are deemed to have been filed with me on:

February 06, 2014 12:13 PM

A handwritten signature in black ink, reading "William Francis Galvin". The signature is written in a cursive, flowing style with a large initial 'W' and 'G'.

WILLIAM FRANCIS GALVIN

*Secretary of the Commonwealth*

# Exhibit L.





# EL PLANETA

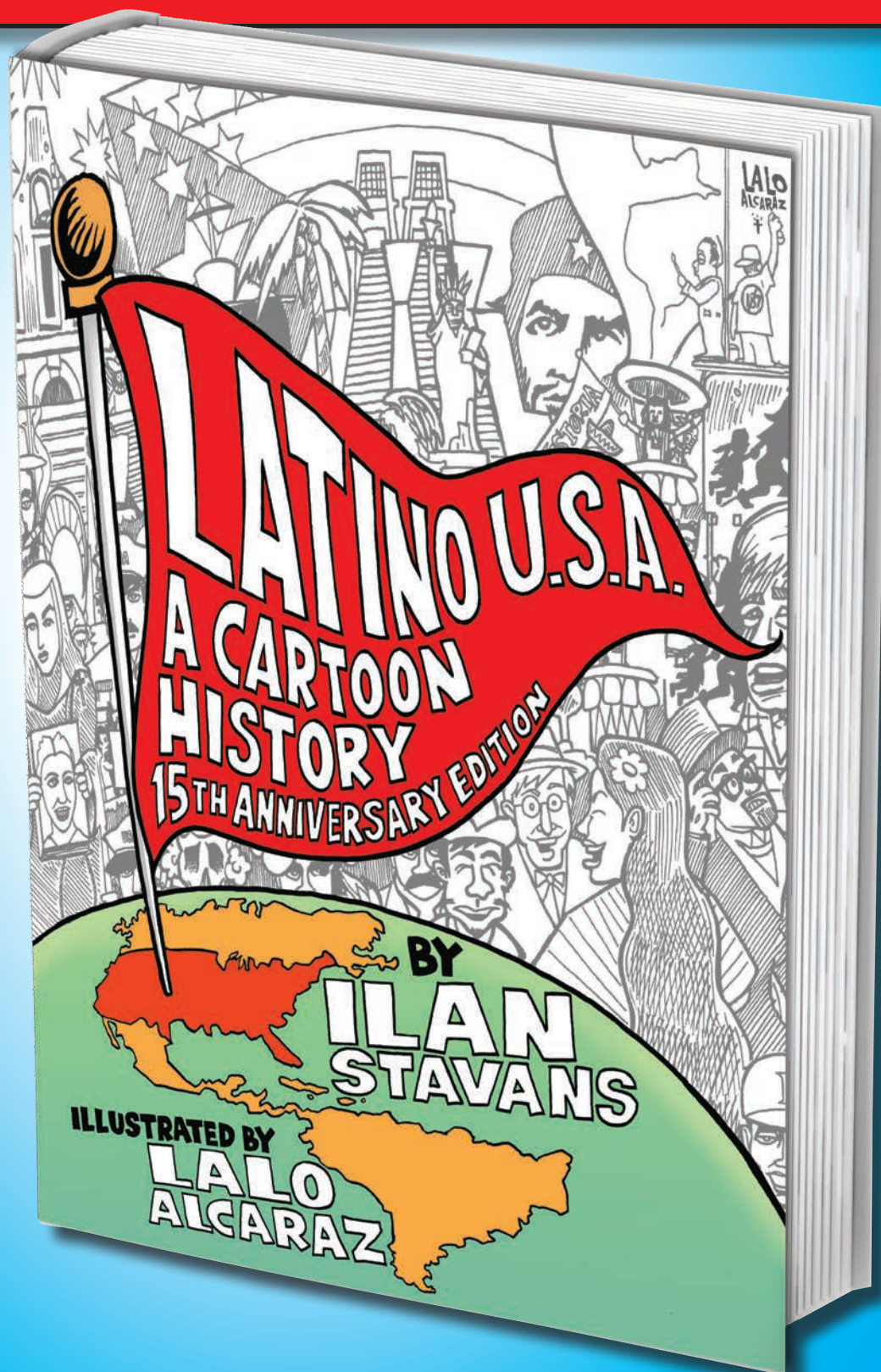
Visita  
**TuBoston.com**  
El Portal Hispano  
De Nueva Inglaterra

GRATIS-FREE AHORA TODOS LOS VIERNES www.TUBOSTON.com | 6 al 12 de abril de 2012 - Año 8 - Nº 402

## PLASMANDO LA HISTORIA DE LOS HISPANOS CON HUMOR

Una divertida y original obra sale a la venta esta semana. Se trata de la versión actualizada de un libro fruto de la colaboración entre el intelectual Ilan Stavans y el renombrado caricaturista Lalo Alcaraz. **"Latino USA: A Cartoon History"** relata la historia colectiva de los hispanos en este país. Entérese cómo las mentes creativas de los autores emprendieron este ambicioso esfuerzo.

**P3-P4**



El "Dr. Loco" ofrecerá  
concierto con jóvenes de  
East Boston | **P12-P13**



Ni hispano ni latino:  
Inmigrantes se identifican  
por país de origen | **P8**



Concejo Municipal de Boston  
recibe a Antanas Mockus | **P14**



# Lopesa Services

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**Lopesa Services cuenta con expertos que están actualizados con todos los cambios hechos por el IRS y que desde 1991 han ayudado a los latinos con el objetivo de obtener el máximo reembolso para sus clientes en el menor tiempo posible.**

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Llámenos o visítenos:**

**Miry López**

617-889-3335

274 Broadway

Chelsea, MA 02150

lopesaservices@hotmail.com

**Amilcar López**

617-623-7368

94 Broadway

Somerville, MA 02145

lopesasvs@aol.com

**Jonathan López**

781-581-3198

501A Washington St

Lynn, MA 01901

lopesaservices@gmail.com

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**(567372)**



# Exhibit M.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_ equity	total_martin_ net_ equity	total_freer_n et_ equity	rep_email	rep_cel	rep_fone	rep_login	rep_data nasc	registration_ date	ssn_id	rep_end	rep_ num_ ero	rep_ce p	city	state_ cod e	country_ code
2	11402765	Juan C. Daza	11402765	11402765	\$ 10,379.60	\$ (27,589.40)	\$ (28,477.90)	jdazaburgoa@gmail.com	.	15083039630	jdaza	9/19/62	10/2/13		224 Mechanic St	.	1752	Marlborough	Ma	US
3	11402893	Juan C. Daza	11402765	11402765	\$ (975.90)	\$ (27,589.40)	\$ (28,477.90)	jdazaburgoa@gmail.com	.	15083039630	jdaza1	9/19/62	10/2/13		224 Mechanic St	.	1605	Marlborough	Ma	US
4	11402965	Juan C. Daza	11402765	11402765	\$ (349.30)	\$ (27,589.40)	\$ (28,477.90)	jdazaburgoa@gmail.com	.	5083039630	jdazacli		10/2/13		224 Mechanic St	.	1752	Marlborough	Ma	US
5	11403083	Juan C. Daza	11402765	11402765	\$ (1,375.10)	\$ (27,589.40)	\$ (28,477.90)	jdazaburgoa@gmail.com	.	15083039630	jdaza2	9/19/62	10/2/13		224 Mechanic St	.	1752	Marlborough	Ma	US
6	11506763	Juan C. Daza	11402765	11402765	\$ (1,425.00)	\$ (27,589.40)	\$ (28,477.90)	jdazaburgoa@gmail.com	.	15083039630	jdaza3	9/19/62	10/9/13		224 Mechanic St	.	1752	Marlborough	Ma	US
7	11506847	Juan C. Daza	11402765	11402765	\$ (1,425.00)	\$ (27,589.40)	\$ (28,477.90)	jdazaburgoa@gmail.com	.	15083039630	jdaza4	9/19/62	10/9/13		224 Mechanic St	.	1752	Marlborough	Ma	US
8	14738983	Juan Carlos Daza	11402765	11402765	\$ (1,425.00)	\$ (27,589.40)	\$ (28,477.90)	jdazaburgoa@gmail.com	5083039630	.	jdaza5	9/19/62	1/22/14		224 Mechanic st	.	1752	Marlborough	MA	US
9	14739393	Juan Carlos Daza	11402765	11402765	\$ (1,425.00)	\$ (27,589.40)	\$ (28,477.90)	jdazaburgoa@gmail.com	5083039630	.	jdaza6	9/19/62	1/22/14		224 Mechanic st	.	1752	Marlborough	MA	US
10	14739829	Juan Carlos Daza	11402765	11402765	\$ (1,425.00)	\$ (27,589.40)	\$ (28,477.90)	jdazaburgoa@gmail.com	5083039630	.	jdaza7	9/19/62	1/22/14		224 Mechanic st	.	1752	Marlborough	MA	US
11	14740317	Juan Carlos Daza	11402765	11402765	\$ (1,425.00)	\$ (27,589.40)	\$ (28,477.90)	jdazaburgoa@gmail.com	5083039630	.	jdaza8	9/19/62	1/22/14		224 Mechanic st	.	1752	Marlborough	MA	US
12	14740669	Juan Carlos Daza	11402765	11402765	\$ (1,425.00)	\$ (27,589.40)	\$ (28,477.90)	jdazaburgoa@gmail.com	5083039630	.	jdaza9	9/19/62	1/22/14		224 Mechanic	.	1752	Marlborough	MA	US
13	14741393	Juan Carlos Daza	11402765	11402765	\$ (1,425.00)	\$ (27,589.40)	\$ (28,477.90)	jdazaburgoa@gmail.com	5083039630	.	jdaza10	9/19/62	1/22/14		224 Mechanic st	.	1752	Marlborough	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_ equity	total_martin_ net_ equity	total_freer_n et_ equity	rep_email	rep_cel	rep_fone	rep_login	rep_data nasc	registration_ date	ssn_id	rep_end	rep_ num_ ero	rep_ce p	city	state_ cod e	country_ code
14	15643897	Juan Daza	11402765	11402765	\$ (1,425.00)	\$ (27,589.40)	\$ (28,477.90)	jdazaburgoa@gmail.com	5083039630	.	jdaza11	9/19/62	2/7/14		224 Mechanic st	.	1752	Marlboro	MA	US
15	15644425	Juan Daza	11402765	11402765	\$ (1,425.00)	\$ (27,589.40)	\$ (28,477.90)	jdazaburgoa@gmail.com	5083039630	.	jdaza12	9/19/62	2/7/14		224 Mechanic st	.	1752	Marlboro	MA	US
16	15644805	Juan Daza	11402765	11402765	\$ (1,425.00)	\$ (27,589.40)	\$ (28,477.90)	jdazaburgoa@gmail.com	5083039630	.	jdaza13	9/19/62	2/7/14		224 Mechanic st	.	1752	Marlboro	MA	US
17	15644959	Juan Daza	11402765	11402765	\$ (1,425.00)	\$ (27,589.40)	\$ (28,477.90)	jdazaburgoa@gmail.com	5083039630	.	jdaza14	9/19/62	2/7/14		224 Mechanic st	.	1752	Marlboro	MA	US
18	15645131	Juan Daza	11402765	11402765	\$ (1,425.00)	\$ (27,589.40)	\$ (28,477.90)	jdazaburgoa@gmail.com	5083039630	.	jdaza15	9/19/62	2/7/14		224 Mechanic st	.	1752	Marlboro	MA	US
19	15902269	Juan Daza	11402765	11402765	\$ (1,425.00)	\$ (27,589.40)	\$ (28,477.90)	jdazaburgoa@gmail.com	.	5083039630	jdaza16	9/19/62	2/11/14		224 Mechanic st	.	1752	Marlborough	MA	US
20	15902623	Juan Daza	11402765	11402765	\$ (1,425.00)	\$ (27,589.40)	\$ (28,477.90)	jdazaburgoa@gmail.com	.	508-303-9630	jdaza21	9/19/62	2/11/14		224 mechanic st	.	1752	Marlboro	MA	US
21	15903361	Juan Daza	11402765	11402765	\$ (1,425.00)	\$ (27,589.40)	\$ (28,477.90)	jdazaburgoa@gmail.com	.	5083039630	jdaza17	9/19/62	2/11/14		224 Mechanic st	.	1752	Marlboro	MA	US
22	15903677	Juan Daza	11402765	11402765	\$ (1,425.00)	\$ (27,589.40)	\$ (28,477.90)	jdazaburgoa@gmail.com	.	5083039630	jdaza18	9/19/62	2/11/14		224 Mechanic st	.	1752	Marlboro	MA	US
23	15903821	Juan Daza	11402765	11402765	\$ (1,425.00)	\$ (27,589.40)	\$ (28,477.90)	jdazaburgoa@gmail.com	.	508-9630	jdaza25	9/19/62	2/11/14		224 mechanic st	.	1752	Marlboro	MA	US
24	15903971	Juan Daza	11402765	11402765	\$ (1,425.00)	\$ (27,589.40)	\$ (28,477.90)	jdazaburgoa@gmail.com	.	5083039630	jdaza19	9/19/62	2/11/14		224 Mechanic st	.	1752	Marlboro	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_data_nasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
25	15904169	Juan Daza	11402765	11402765	\$ (1,425.00)	\$ (27,589.40)	\$ (28,477.90)	jdazaburgoa@gmail.com	.	508-303-9630	jdaza26	9/19/62	2/11/14		224 mechanic st .		1752	Marlboro	MA	US
26	15904199	Juan Daza	11402765	11402765	\$ (1,425.00)	\$ (27,589.40)	\$ (28,477.90)	jdazaburgoa@gmail.com	.	5083039630	jdaza20	9/19/62	2/11/14		224 Mechanic st .		1752	Marlboro	MA	US
27	15904865	Juan Daza	11402765	11402765	\$ (1,425.00)	\$ (27,589.40)	\$ (28,477.90)	jdazaburgoa@gmail.com	.	508-303-9630	jdaza22a	9/19/62	2/11/14		224 mechanic st .		1752	Marlboro	MA	US
28	15905229	Juan Daza	11402765	11402765	\$ (1,425.00)	\$ (27,589.40)	\$ (28,477.90)	jdazaburgoa@gmail.com	.	508-303-9630	jdaza23a	9/19/62	2/11/14		224 mechanic st .		1752	Marlboro	MA	US
29	15905473	Juan Daza	11402765	11402765	\$ (1,425.00)	\$ (27,589.40)	\$ (28,477.90)	jdazaburgoa@gmail.com	.	508-303-9630	jdaza24a	9/19/62	2/11/14		224 mechanic st .		1752	Marlboro	MA	US
30	31283614	Juan C. Daza	11402765	11402765	\$ (339.60)	\$ (27,589.40)	\$ (28,477.90)	jdazaburgoa@gmail.com	5083039630	5083039630	dazaj1	9/19/62	4/9/14		224 Mechanic st .		1752	Marlboro	MA	US
31	31289362	Juan C. Daza	11402765	11402765	\$ (339.60)	\$ (27,589.40)	\$ (28,477.90)	jdazaburgoa@gmail.com	5083039630	5083039630	dazaj2	9/19/62	4/9/14		224 Mechanic st .		1752	Marlboro	MA	US
32	31290230	Juan C. Daza	11402765	11402765	\$ (339.60)	\$ (27,589.40)	\$ (28,477.90)	jdazaburgoa@gmail.com	5083039630	5083039630	dazaj3	9/19/62	4/9/14		224 Mechanic st .		1752	Marlboro	MA	US
33	31302722	ross ross	31302722	31302722	\$ (49.90)	\$ (1,497.00)	\$ (1,497.00)	jdazaburgoa@gmail.com	9784434344	9784434344	3ahi1y50y5a6csd		4/9/14		224 belmont st	3	1776	sudbury	MA	US
34	31302724	ross ross	31302722	31302722	\$ (49.90)	\$ (1,497.00)	\$ (1,497.00)	jdazaburgoa@gmail.com	9784434344	9784434344	bg4gqr9arjqvzot		4/9/14		224 belmont st	3	1776	sudbury	MA	US
35	31302728	ross ross	31302722	31302722	\$ (49.90)	\$ (1,497.00)	\$ (1,497.00)	jdazaburgoa@gmail.com	9784434344	9784434344	wjuo3vszq4qhvtv		4/9/14		224 belmont st	3	1776	sudbury	MA	US
36	31302778	ross ross	31302722	31302722	\$ (49.90)	\$ (1,497.00)	\$ (1,497.00)	jdazaburgoa@gmail.com	9784434344	9784434344	yfr6riw7ldqpW01		4/9/14		224 belmont st	3	1776	sudbury	MA	US
37	31302780	ross ross	31302722	31302722	\$ (49.90)	\$ (1,497.00)	\$ (1,497.00)	jdazaburgoa@gmail.com	9784434344	9784434344	kmrpoogatsq5u25		4/9/14		224 belmont st	3	1776	sudbury	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_ equity	total_martin_ net_ equity	total_freer_n et_ equity	rep_email	rep_cel	rep_fone	rep_login	rep_data nasc	registration_ date	ssn_id	rep_end	rep_ num_ ero	rep_ce p	city	state_ cod e	country_ code
38	31302782	ross ross	31302722	31302722	\$ (49.90)	\$ (1,497.00)	\$ (1,497.00)	jdazaburgoa@gmail.com	9784434344	9784434344	dm573qdw9zccs5		4/9/14		224 belmont st	3	1776	sudbury	MA	US
39	31302784	ross ross	31302722	31302722	\$ (49.90)	\$ (1,497.00)	\$ (1,497.00)	jdazaburgoa@gmail.com	9784434344	9784434344	lwr0mssxni2u8o5		4/9/14		224 belmont st	3	1776	sudbury	MA	US
40	31302786	ross ross	31302722	31302722	\$ (49.90)	\$ (1,497.00)	\$ (1,497.00)	jdazaburgoa@gmail.com	9784434344	9784434344	jibqekujbnb4t4u		4/9/14		224 belmont st	3	1776	sudbury	MA	US
41	31302788	ross ross	31302722	31302722	\$ (49.90)	\$ (1,497.00)	\$ (1,497.00)	jdazaburgoa@gmail.com	9784434344	9784434344	cgx5zq9rhonzdx		4/9/14		224 belmont st	3	1776	sudbury	MA	US
42	31302790	ross ross	31302722	31302722	\$ (49.90)	\$ (1,497.00)	\$ (1,497.00)	jdazaburgoa@gmail.com	9784434344	9784434344	bvo6wmvieqyr611		4/9/14		224 belmont st	3	1776	sudbury	MA	US
43	31302792	ross ross	31302722	31302722	\$ (49.90)	\$ (1,497.00)	\$ (1,497.00)	jdazaburgoa@gmail.com	9784434344	9784434344	f1tv7fjp0cbvwcj		4/9/14		224 belmont st	3	1776	sudbury	MA	US
44	31302794	ross ross	31302722	31302722	\$ (49.90)	\$ (1,497.00)	\$ (1,497.00)	jdazaburgoa@gmail.com	9784434344	9784434344	zcn9pj7efqvjof6		4/9/14		224 belmont st	3	1776	sudbury	MA	US
45	31302796	ross ross	31302722	31302722	\$ (49.90)	\$ (1,497.00)	\$ (1,497.00)	jdazaburgoa@gmail.com	9784434344	9784434344	96oa2qcctktyc8x		4/9/14		224 belmont st	3	1776	sudbury	MA	US
46	31302798	ross ross	31302722	31302722	\$ (49.90)	\$ (1,497.00)	\$ (1,497.00)	jdazaburgoa@gmail.com	9784434344	9784434344	phnfk7v5ljybdxi		4/9/14		224 belmont st	3	1776	sudbury	MA	US
47	31302800	ross ross	31302722	31302722	\$ (49.90)	\$ (1,497.00)	\$ (1,497.00)	jdazaburgoa@gmail.com	9784434344	9784434344	i9326jjq3txz0c2		4/9/14		224 belmont st	3	1776	sudbury	MA	US
48	31302804	ross ross	31302722	31302722	\$ (49.90)	\$ (1,497.00)	\$ (1,497.00)	jdazaburgoa@gmail.com	9784434344	9784434344	hr6xb0c66p55clw		4/9/14		224 belmont st	3	1776	sudbury	MA	US
49	31302806	ross ross	31302722	31302722	\$ (49.90)	\$ (1,497.00)	\$ (1,497.00)	jdazaburgoa@gmail.com	9784434344	9784434344	48znaan4xwlmwyzg		4/9/14		224 belmont st	3	1776	sudbury	MA	US
50	31302810	ross ross	31302722	31302722	\$ (49.90)	\$ (1,497.00)	\$ (1,497.00)	jdazaburgoa@gmail.com	9784434344	9784434344	p5xcwe6vbnbvo9r		4/9/14		224 belmont st	3	1776	sudbury	MA	US
51	31302866	ross ross	31302722	31302722	\$ (49.90)	\$ (1,497.00)	\$ (1,497.00)	jdazaburgoa@gmail.com	9784434344	9784434344	Onu1wwqmu47upp1		4/9/14		224 belmont st	3	1776	sudbury	MA	US
52	31302868	ross ross	31302722	31302722	\$ (49.90)	\$ (1,497.00)	\$ (1,497.00)	jdazaburgoa@gmail.com	9784434344	9784434344	hokb7m9celhusm8		4/9/14		224 belmont st	3	1776	sudbury	MA	US
53	31302870	ross ross	31302722	31302722	\$ (49.90)	\$ (1,497.00)	\$ (1,497.00)	jdazaburgoa@gmail.com	9784434344	9784434344	ixrvqlk8lcsy16f		4/9/14		224 belmont st	3	1776	sudbury	MA	US
54	31302872	ross ross	31302722	31302722	\$ (49.90)	\$ (1,497.00)	\$ (1,497.00)	jdazaburgoa@gmail.com	9784434344	9784434344	edtxmo41dwoxcbt		4/9/14		224 belmont st	3	1776	sudbury	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_data_nasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
55	31302876	ross ross	31302722	31302722	\$ (49.90)	\$ (1,497.00)	\$ (1,497.00)	jdazaburgoa@gmail.com	9784434344	9784434344	n5boc5cn09jtegv		4/9/14		224 belmont st	3	1776	sudbury	MA	US
56	31302920	ross ross	31302722	31302722	\$ (49.90)	\$ (1,497.00)	\$ (1,497.00)	jdazaburgoa@gmail.com	9784434344	9784434344	9gk6238fm430oc8		4/9/14		224 belmont st	3	1776	sudbury	MA	US
57	31302922	ross ross	31302722	31302722	\$ (49.90)	\$ (1,497.00)	\$ (1,497.00)	jdazaburgoa@gmail.com	9784434344	9784434344	0ctcufazlo34is7		4/9/14		224 belmont st	3	1776	sudbury	MA	US
58	31302928	ross ross	31302722	31302722	\$ (49.90)	\$ (1,497.00)	\$ (1,497.00)	jdazaburgoa@gmail.com	9784434344	9784434344	gpui2flam54vant		4/9/14		224 belmont st	3	1776	sudbury	MA	US
59	31302972	ross ross	31302722	31302722	\$ (49.90)	\$ (1,497.00)	\$ (1,497.00)	jdazaburgoa@gmail.com	9784434344	9784434344	6rfrq2k4ffdzoq7		4/9/14		224 belmont st	3	1776	sudbury	MA	US
60	31303032	ross ross	31302722	31302722	\$ (49.90)	\$ (1,497.00)	\$ (1,497.00)	jdazaburgoa@gmail.com	9784434344	9784434344	tqws33o6jcacf9k		4/9/14		224 belmont st	3	1776	sudbury	MA	US
61	31303034	ross ross	31302722	31302722	\$ (49.90)	\$ (1,497.00)	\$ (1,497.00)	jdazaburgoa@gmail.com	9784434344	9784434344	9pw70c6xxdusrpv		4/9/14		224 belmont st	3	1776	sudbury	MA	US
62	31303088	ross ross	31302722	31302722	\$ (49.90)	\$ (1,497.00)	\$ (1,497.00)	jdazaburgoa@gmail.com	9784434344	9784434344	msh35rz6alp3t9k		4/9/14		224 belmont st	3	1776	sudbury	MA	US
63	31324482	juan daze	11402765	31324482	\$ (339.60)	\$ (339.60)	\$ (28,477.90)	jdazaburgoa@gmail.com	5083039630	5083039630	dazaj4	9/19/62	4/9/14		224 mechanic st		1752	malborough	MA	US



# Exhibit N.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN		
1	rep_id	claimid	firstname	middle	lastname	claimnumber	creditor	signature	signature	noticeadd	signature	issubmitted	doesamend	hasagreed	hasaccepted	createdatetime	created	updatedatetime	updated	CLAIMID	REGISTRATIONID	REGISTRATIONNAME	REGISTRATIONEMAIL	CLAIMNUMBER	ISCLAIMAMENDED	CREDITORNAME	SIGNATURE	DATECLAIMFILE	NOTICEFULLNAME	NOTICEADDRESS	NOTICECOUNT	NOTICEEMAIL	PAYMENTADDRESS	PAYMENTEMAIL	LOGIN	NETEQUITYTYPE	AMOUNTOFFCLAIM	SUMOFFCANCULARPAYMENT	SUMOFFRECEIPT	UPDATEDDATE	TIME	
2	11402765	229613	Juan	C	Daza	105494	357	Rosmery Torrico	9/26/16	283887	0	TRUE	FALSE	TRUE	TRUE	9/26/16 12:30 AM	125008	9/26/16 1:40 AM	125008	229613	125008	Rosmery Torrico	rosmerytorrico@verizon.net	105494	FALSE	Juan C Daza	Rosmery Torrico	9/26/16	Rosmery Torrico	30 Nobscot Rd unit 20 Sudbury01776 US	1	jdazaburgoe@gmail.com	Sudbury01776	jdazaburgoe@gmail.com	jdaza		\$ (10,379.60)	\$ (10,379.60)	\$ 1,425.00	\$ (11,804.60)	9/25/16 8:40 PM	
3	11402893	229613	Juan	C	Daza	105494	357	Rosmery Torrico	9/26/16	283887	0	TRUE	FALSE	TRUE	TRUE	9/26/16 12:30 AM	125008	9/26/16 1:40 AM	125008	229613	125008	Rosmery Torrico	rosmerytorrico@verizon.net	105494	FALSE	Juan C Daza	Rosmery Torrico	9/26/16	Rosmery Torrico	30 Nobscot Rd unit 20 Sudbury01776 US	1	jdazaburgoe@gmail.com	Sudbury01776	jdazaburgoe@gmail.com	jdaza1		\$ 975.90	\$ 975.90	\$ 1,425.00	\$ (449.10)	9/25/16 8:40 PM	
4	11402965	229613	Juan	C	Daza	105494	357	Rosmery Torrico	9/26/16	283887	0	TRUE	FALSE	TRUE	TRUE	9/26/16 12:30 AM	125008	9/26/16 1:40 AM	125008	229613	125008	Rosmery Torrico	rosmerytorrico@verizon.net	105494	FALSE	Juan C Daza	Rosmery Torrico	9/26/16	Rosmery Torrico	30 Nobscot Rd unit 20 Sudbury01776 US	1	jdazaburgoe@gmail.com	Sudbury01776	jdazaburgoe@gmail.com	jdazacl		\$ 349.30	\$ 349.30	\$ 349.30	\$ -	9/25/16 8:40 PM	
5	11403083	229613	Juan	C	Daza	105494	357	Rosmery Torrico	9/26/16	283887	0	TRUE	FALSE	TRUE	TRUE	9/26/16 12:30 AM	125008	9/26/16 1:40 AM	125008	229613	125008	Rosmery Torrico	rosmerytorrico@verizon.net	105494	FALSE	Juan C Daza	Rosmery Torrico	9/26/16	Rosmery Torrico	30 Nobscot Rd unit 20 Sudbury01776 US	1	jdazaburgoe@gmail.com	Sudbury01776	jdazaburgoe@gmail.com	jdaza2		\$ 1,375.10	\$ 1,375.10	\$ 1,425.00	\$ (49.90)	9/25/16 8:40 PM	
6	11506763	229613	Juan	C	Daza	105494	357	Rosmery Torrico	9/26/16	283887	0	TRUE	FALSE	TRUE	TRUE	9/26/16 12:30 AM	125008	9/26/16 1:40 AM	125008	229613	125008	Rosmery Torrico	rosmerytorrico@verizon.net	105494	FALSE	Juan C Daza	Rosmery Torrico	9/26/16	Rosmery Torrico	30 Nobscot Rd unit 20 Sudbury01776 US	1	jdazaburgoe@gmail.com	Sudbury01776	jdazaburgoe@gmail.com	jdaza3		\$ 1,425.00	\$ 1,425.00	\$ 1,425.00	\$ -	9/25/16 8:40 PM	
7	11506847	229613	Juan	C	Daza	105494	357	Rosmery Torrico	9/26/16	283887	0	TRUE	FALSE	TRUE	TRUE	9/26/16 12:30 AM	125008	9/26/16 1:40 AM	125008	229613	125008	Rosmery Torrico	rosmerytorrico@verizon.net	105494	FALSE	Juan C Daza	Rosmery Torrico	9/26/16	Rosmery Torrico	30 Nobscot Rd unit 20 Sudbury01776 US	1	jdazaburgoe@gmail.com	Sudbury01776	jdazaburgoe@gmail.com	jdaza4		\$ 1,425.00	\$ 1,425.00	\$ 1,425.00	\$ -	9/25/16 8:40 PM	
8	14738983	229613	Juan	C	Daza	105494	357	Rosmery Torrico	9/26/16	283887	0	TRUE	FALSE	TRUE	TRUE	9/26/16 12:30 AM	125008	9/26/16 1:40 AM	125008	229613	125008	Rosmery Torrico	rosmerytorrico@verizon.net	105494	FALSE	Juan C Daza	Rosmery Torrico	9/26/16	Rosmery Torrico	30 Nobscot Rd unit 20 Sudbury01776 US	1	jdazaburgoe@gmail.com	Sudbury01776	jdazaburgoe@gmail.com	jdaza5		\$ 1,425.00	\$ 1,425.00	\$ 1,425.00	\$ -	9/25/16 8:40 PM	
9	14739393	229613	Juan	C	Daza	105494	357	Rosmery Torrico	9/26/16	283887	0	TRUE	FALSE	TRUE	TRUE	9/26/16 12:30 AM	125008	9/26/16 1:40 AM	125008	229613	125008	Rosmery Torrico	rosmerytorrico@verizon.net	105494	FALSE	Juan C Daza	Rosmery Torrico	9/26/16	Rosmery Torrico	30 Nobscot Rd unit 20 Sudbury01776 US	1	jdazaburgoe@gmail.com	Sudbury01776	jdazaburgoe@gmail.com	jdaza6		\$ 1,425.00	\$ 1,425.00	\$ 1,425.00	\$ -	9/25/16 8:40 PM	
10	14739829	229613	Juan	C	Daza	105494	357	Rosmery Torrico	9/26/16	283887	0	TRUE	FALSE	TRUE	TRUE	9/26/16 12:30 AM	125008	9/26/16 1:40 AM	125008	229613	125008	Rosmery Torrico	rosmerytorrico@verizon.net	105494	FALSE	Juan C Daza	Rosmery Torrico	9/26/16	Rosmery Torrico	30 Nobscot Rd unit 20 Sudbury01776 US	1	jdazaburgoe@gmail.com	Sudbury01776	jdazaburgoe@gmail.com	jdaza7		\$ 1,425.00	\$ 1,425.00	\$ 1,425.00	\$ -	9/25/16 8:40 PM	
11	14740317	229613	Juan	C	Daza	105494	357	Rosmery Torrico	9/26/16	283887	0	TRUE	FALSE	TRUE	TRUE	9/26/16 12:30 AM	125008	9/26/16 1:40 AM	125008	229613	125008	Rosmery Torrico	rosmerytorrico@verizon.net	105494	FALSE	Juan C Daza	Rosmery Torrico	9/26/16	Rosmery Torrico	30 Nobscot Rd unit 20 Sudbury01776 US	1	jdazaburgoe@gmail.com	Sudbury01776	jdazaburgoe@gmail.com	jdaza8		\$ 1,425.00	\$ 1,425.00	\$ 1,425.00	\$ -	9/25/16 8:40 PM	
12	14740669	229613	Juan	C	Daza	105494	357	Rosmery Torrico	9/26/16	283887	0	TRUE	FALSE	TRUE	TRUE	9/26/16 12:30 AM	125008	9/26/16 1:40 AM	125008	229613	125008	Rosmery Torrico	rosmerytorrico@verizon.net	105494	FALSE	Juan C Daza	Rosmery Torrico	9/26/16	Rosmery Torrico	30 Nobscot Rd unit 20 Sudbury01776 US	1	jdazaburgoe@gmail.com	Sudbury01776	jdazaburgoe@gmail.com	jdaza9		\$ 1,425.00	\$ 1,425.00	\$ 1,425.00	\$ -	9/25/16 8:40 PM	
13	14741393	229613	Juan	C	Daza	105494	357	Rosmery Torrico	9/26/16	283887	0	TRUE	FALSE	TRUE	TRUE	9/26/16 12:30 AM	125008	9/26/16 1:40 AM	125008	229613	125008	Rosmery Torrico	rosmerytorrico@verizon.net	105494	FALSE	Juan C Daza	Rosmery Torrico	9/26/16	Rosmery Torrico	30 Nobscot Rd unit 20 Sudbury01776 US	1	jdazaburgoe@gmail.com	Sudbury01776	jdazaburgoe@gmail.com	jdaza10		\$ 1,425.00	\$ 1,425.00	\$ 1,425.00	\$ -	9/25/16 8:40 PM	
14	15643897	229613	Juan	C	Daza	105494	357	Rosmery Torrico	9/26/16	283887	0	TRUE	FALSE	TRUE	TRUE	9/26/16 12:30 AM	125008	9/26/16 1:40 AM	125008	229613	125008	Rosmery Torrico	rosmerytorrico@verizon.net	105494	FALSE	Juan C Daza	Rosmery Torrico	9/26/16	Rosmery Torrico	30 Nobscot Rd unit 20 Sudbury01776 US	1	jdazaburgoe@gmail.com	Sudbury01776	jdazaburgoe@gmail.com	jdaza11		\$ 1,425.00	\$ 1,425.00	\$ 1,425.00	\$ -	9/25/16 8:40 PM	
15	15644425	229613	Juan	C	Daza	105494	357	Rosmery Torrico	9/26/16	283887	0	TRUE	FALSE	TRUE	TRUE	9/26/16 12:30 AM	125008	9/26/16 1:40 AM	125008	229613	125008	Rosmery Torrico	rosmerytorrico@verizon.net	105494	FALSE	Juan C Daza	Rosmery Torrico	9/26/16	Rosmery Torrico	30 Nobscot Rd unit 20 Sudbury01776 US	1	jdazaburgoe@gmail.com	Sudbury01776	jdazaburgoe@gmail.com	jdaza12		\$ 1,425.00	\$ 1,425.00	\$ 1,425.00	\$ -	9/25/16 8:40 PM	
16	15644805	229613	Juan	C	Daza	105494	357	Rosmery Torrico	9/26/16	283887	0	TRUE	FALSE	TRUE	TRUE	9/26/16 12:30 AM	125008	9/26/16 1:40 AM	125008	229613	125008	Rosmery Torrico	rosmerytorrico@verizon.net	105494	FALSE	Juan C Daza	Rosmery Torrico	9/26/16	Rosmery Torrico	30 Nobscot Rd unit 20 Sudbury01776 US	1	jdazaburgoe@gmail.com	Sudbury01776	jdazaburgoe@gmail.com	jdaza13		\$ 1,425.00	\$ 1,425.00	\$ 1,425.00	\$ -	9/25/16 8:40 PM	
17	15644959	229613	Juan	C	Daza	105494	357	Rosmery Torrico	9/26/16	283887	0	TRUE	FALSE	TRUE	TRUE	9/26/16 12:30 AM	125008	9/26/16 1:40 AM	125008	229613	125008	Rosmery Torrico	rosmerytorrico@verizon.net	105494	FALSE	Juan C Daza	Rosmery Torrico	9/26/16	Rosmery Torrico	30 Nobscot Rd unit 20 Sudbury01776 US	1	jdazaburgoe@gmail.com	Sudbury01776	jdazaburgoe@gmail.com	jdaza14		\$ 1,425.00	\$ 1,425.00	\$ 1,425.00	\$ -	9/25/16 8:40 PM	
18	15645131	229613	Juan	C	Daza	105494	357	Rosmery Torrico	9/26/16	283887	0	TRUE	FALSE	TRUE	TRUE	9/26/16 12:30 AM	125008	9/26/16 1:40 AM	125008	229613	125008	Rosmery Torrico	rosmerytorrico@verizon.net	105494	FALSE	Juan C Daza	Rosmery Torrico	9/26/16	Rosmery Torrico	30 Nobscot Rd unit 20 Sudbury01776 US	1	jdazaburgoe@gmail.com	Sudbury01776	jdazaburgoe@gmail.com	jdaza15		\$ 1,425.00	\$ 1,425.00	\$ 1,425.00	\$ -	9/25/16 8:40 PM	
19	15900949	229613	Juan	C	Daza	105494	357	Rosmery Torrico	9/26/16	283887	0	TRUE	FALSE	TRUE	TRUE	9/26/16 12:30 AM	125008	9/26/16 1:40 AM	125008	229613	125008	Rosmery Torrico	rosmerytorrico@verizon.net	105494	FALSE	Juan C Daza	Rosmery Torrico	9/26/16	Rosmery Torrico	30 Nobscot Rd unit 20 Sudbury01776 US	1	jdazaburgoe@gmail.com	Sudbury01776	jdazaburgoe@gmail.com	jdaza1cl		\$ 49.90	\$ 49.90	\$ 49.90	\$ -	9/25/16 8:40 PM	
20	15902269	229613	Juan	C	Daza	105494	357	Rosmery Torrico	9/26/16	283887	0	TRUE	FALSE	TRUE	TRUE	9/26/16 12:30 AM	125008	9/26/16 1:40 AM	125008	229613	125008	Rosmery Torrico	rosmerytorrico@verizon.net	105494	FALSE	Juan C Daza	Rosmery Torrico	9/26/16	Rosmery Torrico	30 Nobscot Rd unit 20 Sudbury01776 US	1	jdazaburgoe@gmail.com	Sudbury01776	jdazaburgoe@gmail.com	jdaza16		\$ 1,425.00	\$ 1,425.00	\$ 1,425.00	\$ -	9/25/16 8:40 PM	

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN			
1	rep_id	claimid	firstname	middle name	lastname	claimnumb er	creditor type	signature	signature date	noticeadd ressid	signature addressid	issubmitted	doesamend	hasagreed	hasaccept ed	createddate time	created byid	updateddate time	updated byid	CLAIMID	REGISTR ATIONID	REGISTRATI ONNAME	REGISTRATIO NEMAIL	CLAIMN UMBER	ISCLAIMA MENDED	CREDITOR NAME	SIGNATURE FILE	DATECLAIM	NOTICEFULL NAME	NOTICEADDR ESS	NOTICE COUNT RY	NOTICEEMAIL	PAYMENTAD DRESS	PAYMENTEM AIL	LOGIN	NETEQUITY PERTELEX	AMOUNTOFCL AIM	SUMOFTRI ANGULARP AYMENT	SUMOFTRI NGULARRECE IPT	UPDATEDDATE TIME			
21	15902623	229613	Juan	C	Daza	105494	357	Rosmery Torrico	9/26/16	283887	0	TRUE	FALSE	TRUE	TRUE	9/26/16 12:30 AM	125008	9/26/16 1:40 AM	125008	229613	125008	Torrico	rosmerytorrico @verizon.net	105494	FALSE	Juan C Daza	Rosmery Torrico	9/26/16	Rosmery Torrico	30 Nobscot Rd unit 20 Sudbury01776	US	jdazaburgoe@gmail.com	30 Nobscot Rd unit 20 Sudbury01776	jdazaburgoe@gmail.com	jdaza21	\$	1,425.00	\$	1,425.00	\$	1,425.00	\$	9/25/16 8:40 PM
22	15903361	229613	Juan	C	Daza	105494	357	Rosmery Torrico	9/26/16	283887	0	TRUE	FALSE	TRUE	TRUE	9/26/16 12:30 AM	125008	9/26/16 1:40 AM	125008	229613	125008	Torrico	rosmerytorrico @verizon.net	105494	FALSE	Juan C Daza	Rosmery Torrico	9/26/16	Rosmery Torrico	30 Nobscot Rd unit 20 Sudbury01776	US	jdazaburgoe@gmail.com	30 Nobscot Rd unit 20 Sudbury01776	jdazaburgoe@gmail.com	jdaza17	\$	1,425.00	\$	1,425.00	\$	1,425.00	\$	9/25/16 8:40 PM
23	15903677	229613	Juan	C	Daza	105494	357	Rosmery Torrico	9/26/16	283887	0	TRUE	FALSE	TRUE	TRUE	9/26/16 12:30 AM	125008	9/26/16 1:40 AM	125008	229613	125008	Torrico	rosmerytorrico @verizon.net	105494	FALSE	Juan C Daza	Rosmery Torrico	9/26/16	Rosmery Torrico	30 Nobscot Rd unit 20 Sudbury01776	US	jdazaburgoe@gmail.com	30 Nobscot Rd unit 20 Sudbury01776	jdazaburgoe@gmail.com	jdaza18	\$	1,425.00	\$	1,425.00	\$	1,425.00	\$	9/25/16 8:40 PM
24	15903821	229613	Juan	C	Daza	105494	357	Rosmery Torrico	9/26/16	283887	0	TRUE	FALSE	TRUE	TRUE	9/26/16 12:30 AM	125008	9/26/16 1:40 AM	125008	229613	125008	Torrico	rosmerytorrico @verizon.net	105494	FALSE	Juan C Daza	Rosmery Torrico	9/26/16	Rosmery Torrico	30 Nobscot Rd unit 20 Sudbury01776	US	jdazaburgoe@gmail.com	30 Nobscot Rd unit 20 Sudbury01776	jdazaburgoe@gmail.com	jdaza25	\$	1,425.00	\$	1,425.00	\$	1,425.00	\$	9/25/16 8:40 PM
25	15903971	229613	Juan	C	Daza	105494	357	Rosmery Torrico	9/26/16	283887	0	TRUE	FALSE	TRUE	TRUE	9/26/16 12:30 AM	125008	9/26/16 1:40 AM	125008	229613	125008	Torrico	rosmerytorrico @verizon.net	105494	FALSE	Juan C Daza	Rosmery Torrico	9/26/16	Rosmery Torrico	30 Nobscot Rd unit 20 Sudbury01776	US	jdazaburgoe@gmail.com	30 Nobscot Rd unit 20 Sudbury01776	jdazaburgoe@gmail.com	jdaza19	\$	1,425.00	\$	1,425.00	\$	1,425.00	\$	9/25/16 8:40 PM
26	15904169	229613	Juan	C	Daza	105494	357	Rosmery Torrico	9/26/16	283887	0	TRUE	FALSE	TRUE	TRUE	9/26/16 12:30 AM	125008	9/26/16 1:40 AM	125008	229613	125008	Torrico	rosmerytorrico @verizon.net	105494	FALSE	Juan C Daza	Rosmery Torrico	9/26/16	Rosmery Torrico	30 Nobscot Rd unit 20 Sudbury01776	US	jdazaburgoe@gmail.com	30 Nobscot Rd unit 20 Sudbury01776	jdazaburgoe@gmail.com	jdaza26	\$	1,425.00	\$	1,425.00	\$	1,425.00	\$	9/25/16 8:40 PM
27	15904199	229613	Juan	C	Daza	105494	357	Rosmery Torrico	9/26/16	283887	0	TRUE	FALSE	TRUE	TRUE	9/26/16 12:30 AM	125008	9/26/16 1:40 AM	125008	229613	125008	Torrico	rosmerytorrico @verizon.net	105494	FALSE	Juan C Daza	Rosmery Torrico	9/26/16	Rosmery Torrico	30 Nobscot Rd unit 20 Sudbury01776	US	jdazaburgoe@gmail.com	30 Nobscot Rd unit 20 Sudbury01776	jdazaburgoe@gmail.com	jdaza20	\$	1,425.00	\$	1,425.00	\$	1,425.00	\$	9/25/16 8:40 PM
28	15904865	229613	Juan	C	Daza	105494	357	Rosmery Torrico	9/26/16	283887	0	TRUE	FALSE	TRUE	TRUE	9/26/16 12:30 AM	125008	9/26/16 1:40 AM	125008	229613	125008	Torrico	rosmerytorrico @verizon.net	105494	FALSE	Juan C Daza	Rosmery Torrico	9/26/16	Rosmery Torrico	30 Nobscot Rd unit 20 Sudbury01776	US	jdazaburgoe@gmail.com	30 Nobscot Rd unit 20 Sudbury01776	jdazaburgoe@gmail.com	jdaza22	\$	1,425.00	\$	1,425.00	\$	1,425.00	\$	9/25/16 8:40 PM
29	15905229	229613	Juan	C	Daza	105494	357	Rosmery Torrico	9/26/16	283887	0	TRUE	FALSE	TRUE	TRUE	9/26/16 12:30 AM	125008	9/26/16 1:40 AM	125008	229613	125008	Torrico	rosmerytorrico @verizon.net	105494	FALSE	Juan C Daza	Rosmery Torrico	9/26/16	Rosmery Torrico	30 Nobscot Rd unit 20 Sudbury01776	US	jdazaburgoe@gmail.com	30 Nobscot Rd unit 20 Sudbury01776	jdazaburgoe@gmail.com	jdaza23	\$	1,425.00	\$	1,425.00	\$	1,425.00	\$	9/25/16 8:40 PM
30	15905473	229613	Juan	C	Daza	105494	357	Rosmery Torrico	9/26/16	283887	0	TRUE	FALSE	TRUE	TRUE	9/26/16 12:30 AM	125008	9/26/16 1:40 AM	125008	229613	125008	Torrico	rosmerytorrico @verizon.net	105494	FALSE	Juan C Daza	Rosmery Torrico	9/26/16	Rosmery Torrico	30 Nobscot Rd unit 20 Sudbury01776	US	jdazaburgoe@gmail.com	30 Nobscot Rd unit 20 Sudbury01776	jdazaburgoe@gmail.com	jdaza24	\$	1,425.00	\$	1,425.00	\$	1,425.00	\$	9/25/16 8:40 PM
31	31283614	229613	Juan	C	Daza	105494	357	Rosmery Torrico	9/26/16	283887	0	TRUE	FALSE	TRUE	TRUE	9/26/16 12:30 AM	125008	9/26/16 1:40 AM	125008	229613	125008	Torrico	rosmerytorrico @verizon.net	105494	FALSE	Juan C Daza	Rosmery Torrico	9/26/16	Rosmery Torrico	30 Nobscot Rd unit 20 Sudbury01776	US	jdazaburgoe@gmail.com	30 Nobscot Rd unit 20 Sudbury01776	jdazaburgoe@gmail.com	daza1	\$	339.60	\$	339.60	\$	339.60	\$	9/25/16 8:40 PM
32	31289362	229613	Juan	C	Daza	105494	357	Rosmery Torrico	9/26/16	283887	0	TRUE	FALSE	TRUE	TRUE	9/26/16 12:30 AM	125008	9/26/16 1:40 AM	125008	229613	125008	Torrico	rosmerytorrico @verizon.net	105494	FALSE	Juan C Daza	Rosmery Torrico	9/26/16	Rosmery Torrico	30 Nobscot Rd unit 20 Sudbury01776	US	jdazaburgoe@gmail.com	30 Nobscot Rd unit 20 Sudbury01776	jdazaburgoe@gmail.com	daza2	\$	339.60	\$	339.60	\$	339.60	\$	9/25/16 8:40 PM
33	31290230	229613	Juan	C	Daza	105494	357	Rosmery Torrico	9/26/16	283887	0	TRUE	FALSE	TRUE	TRUE	9/26/16 12:30 AM	125008	9/26/16 1:40 AM	125008	229613	125008	Torrico	rosmerytorrico @verizon.net	105494	FALSE	Juan C Daza	Rosmery Torrico	9/26/16	Rosmery Torrico	30 Nobscot Rd unit 20 Sudbury01776	US	jdazaburgoe@gmail.com	30 Nobscot Rd unit 20 Sudbury01776	jdazaburgoe@gmail.com	daza3	\$	339.60	\$	339.60	\$	339.60	\$	9/25/16 8:40 PM

# Exhibit O.

**In the Matter of:**  
*Stephen B. Darr, et al. vs*  
*Frantz Balan, et al.*

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*Rosmery Torrico*

*January 19, 2023*

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*68 Commercial Wharf • Boston, MA 02110*  
*888.825.3376 - 617.399.0130*  
*Global Coverage*  
*court-reporting.com*



Stephen B. Darr, et al. vs  
Frantz Balan, et al.

Rosmery Torrico  
January 19, 2023

DISTRICT OF MASSACHUSETTS  
UNITED STATES BANKRUPTCY COURT

-----X  
IN RE:

TELEXFREE, LLC, TELEXFREE, INC., AND  
TELEXFREE FINANCIAL, INC.,  
Debtors.

-----X  
STEPHEN B. DARR, TRUSTEE  
Plaintiff,

v.

FRANTZ BALAN, A REPRESENTATIVE OF A  
CLASS OF DEFENDANT NET WINNERS,  
Defendants.

-----X  
STEPHEN B. DARR, TRUSTEE,  
Plaintiff,

v.

MARCO PUZZARINI AND SANDRO PAULO FREITAS,  
REPRESENTATIVES OF A CLASS OF DEFENDANT  
NET WINNERS,  
Defendants.

Stephen B. Darr, et al. vs  
Frantz Balan, et al.

Rosmery Torrico  
January 19, 2023

2

1 VIDEO REMOTE DEPOSITION OF ROSMERY  
2 TORRICO, a witness called on behalf of the  
3 Defendant, taken pursuant to the provisions  
4 of the Massachusetts Rules of Civil  
5 Procedure, before Linda Bernis, a Registered  
6 Professional Reporter and Notary Public in  
7 and for the Commonwealth of Massachusetts,  
8 held in, Sudbury Massachusetts, on Thursday,  
9 January 19, 2023, commencing at 10:00 a.m.

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Stephen B. Darr, et al. vs  
Frantz Balan, et al.

Rosmery Torrico  
January 19, 2023

3

1 APPEARANCES:

2  
3 MILLIGAN RONA DURAN & KING

4 By Ilyas Rona, Esq.

5 28 State Street

6 Boston, Massachusetts 02109

7 Counsel for the Defendants

8  
9 MURPHY & KING

10 By Charles Bennett, Jr., Esq.

11 28 State Street

12 Boston, Massachusetts 02109

13 Counsel for the Plaintiff

14  
15 Also Present: Lea Kraemer, Esq.

16  
17 (Present via Remote)



Stephen B. Darr, et al. vs  
Frantz Balan, et al.

Rosmery Torrico  
January 19, 2023

4

I N D E X

Video Remote Deposition of:	Direct
ROSMERY TORRICO	
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PROCEEDINGS

THE VIDEOGRAPHER: We're going on the record on January 19, 2023 at approximately 10:00 a.m. This is video-recorded deposition of ROSMERY Torrico in the matter of, In Re: TelexFree, LLC, TelexFree, Inc. and TelexFree Financial, Inc., Debtors, Stephen B. Darr, Trustee, Plaintiff versus Frantz Balan, a Representative of a Class of Defendant Net Winners, Defendant, Stephen B. Darr, Trustee, Plaintiff, versus Marco Puzzarini and Sandro Palo Freitas, Representatives of a Class of Defendant Net Winners, Defendants.

This case is currently pending in the United States Bankruptcy Court, District of Massachusetts. Adversary proceeding number 16-4006 and adversary proceeding number 16-4007.

This deposition is being taken remotely. This witness is appearing remotely from 30 Nobscot Road, Number 20, Sudbury, Massachusetts.

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1 My name is David Hanrahan with  
2 O'Brien & Levine Court Reporting Solutions.  
3 I am legal video specialist. I will be  
4 recording the proceedings remotely. The  
5 court reporter today is Linda Bernis, also  
6 with O'Brien & Levine Court Reporting  
7 Solutions, and she will be recording this  
8 proceeding remotely and is a notary public  
9 in the Commonwealth of Massachusetts.  
10 Neither of us is physically present with the  
11 witness.

12 will counsel please state their  
13 appearances and who they represent for the  
14 record, and acknowledge that in lieu of an  
15 oath administered in person the witness will  
16 verbally declare her testimony in this  
17 matter under the pains and penalties of  
18 perjury. And also that counsel consent to  
19 this arrangement and waive any objections to  
20 this manner of proceeding, after which the  
21 court reporter will swear in the witness and  
22 we may begin.

23 So if we can have all the attorneys  
24 present please agree to the remote

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deposition conditions and state your  
appearances.

MR. RONA: Good morning, Ilyas Rona  
on behalf of both classes of defendants in  
the TelexFree adversary proceedings  
mentioned. And on behalf of the defendants,  
I acknowledge and consent to the arrangement  
described by Mr. Hanrahan.

MR. BENNETT: Charles Bennett on  
behalf of the plaintiff, Stephen Darr, as he  
is trustee of the TelexFree bankruptcy  
estate. And on behalf of Mr. Darr we  
acknowledge and agree the conditions under  
which this deposition is being conducted.

MS. KRAEMER: Good morning, Lea  
Kraemer on behalf of both classes of  
defendants. I also acknowledge and assent.

(Witness sworn.)

DIRECT EXAMINATION

BY MR. RONA:

Q. Good morning. Could you state and spell  
your full name for the record, please?

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1 A. Sure. My name is Rosmery -  
2 R O S M E R Y. Last name is Torrico -  
3 T O R R I C O.

4 Q. Where do you currently reside?

5 A. 30 Nobscot Road, Unit 20, Sudbury,  
6 Massachusetts 01776.

7 Q. Did you previously reside in Marlboro?

8 A. Yes.

9 Q. Do you recall the address that you lived at  
10 previously?

11 A. I do; it's 224 Mechanic Street, Marlboro.

12 Q. Are you represented by counsel relative to  
13 matters concerning TelexFree?

14 A. (Screen froze) I don't know how I ended with  
15 all of this and I know you said it was  
16 through that video that it was interviewed  
17 victims of TelexFree. And right now, to be  
18 honest, I don't know, I know you said that  
19 I'm doing something good to help other  
20 people but I keep wondering, and I couldn't  
21 sleep last night even after I got the letter  
22 from your office why it was me getting this,  
23 there's hundreds of thousands out there of  
24 people affected by this.

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1 I don't know who, why, and I  
2 mention that to you on our meeting on  
3 Tuesday. I said, am I in trouble? And you  
4 said, no. And then I said, is someone  
5 representing me? Is someone, you know,  
6 suing me while I'm the victim. Until today,  
7 you said no, no, no, but I'm still wondering  
8 what is going on. Like I said, I was one of  
9 the victims from the TelexFree the people  
10 knowingly what they were doing. I don't  
11 know. I'm very, very confused. And  
12 frankly, it's very scary, all of this.

13 Q. Ms. Torrico, in the interest of time,  
14 because I know you don't have, your time is  
15 limited, I'm just going to try to refocus  
16 you on the question and then maybe we can  
17 cover some of the points you make.

18 The answer to my question, do you  
19 have a lawyer representing you in  
20 connection --

21 A. No, I don't.

22 Q. You and I have met, have we not?

23 A. Yes.

24 Q. And when we met, did you provide documents

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1 to me, did you provide copies of documents  
2 to me?

3 A. I lost you for a second.

4 Q. Are you able to hear me?

5 A. I can hear now.

6 Q. You and I have met, have we not?

7 A. Yes, we have.

8 Q. When you and I met, did you provide me with  
9 copies of documents that you had related to  
10 TelexFree?

11 A. Yes, whatever I have I gave, yes, I made  
12 copies for you. Yes, you are correct.

13 Q. And the letter you're referring to was a  
14 subpoena that you received that was sent by  
15 my office?

16 A. Yes.

17 Q. And you mentioned that you went on TV. You  
18 participated in TelexFree; is that right?

19 A. Yes.

20 Q. Do you recall what year or years you  
21 participated in TelexFree?

22 A. It was 2013 and 2014. I'm not 100 percent  
23 sure it was started in '12, but I'm very  
24 sure it was 2013, 2014.

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1 Q. Okay. And at some point after TelexFree  
2 closed down, did you go on TV to talk about  
3 your experience with TelexFree?

4 A. Yes. I got connected with the Brazilian  
5 group in Brighton and they ask me if I can  
6 help because I was the one that speak more  
7 fluent English, which I doubt it, my accent  
8 is very bad, but I agree to help and to see  
9 the people so the world will know what  
10 happened, how victims were affected, yes.

11 Q. Did you have an opportunity to watch that  
12 television program?

13 A. I did. I did. That was so many years ago.  
14 I did, yes.

15 Q. And do you recall that the name of the  
16 television program was American Greed?

17 A. I didn't recall until you mention, yes, now  
18 I remember. When I was talking to my  
19 husband I said, I really want to see,  
20 remember, you know, what happened, how long,  
21 what I say, and all this stuff.

22 Q. In the chance that you had to watch the  
23 episode you were able to see the part where  
24 you were speaking; is that correct?



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1 A. Yes.

2 Q. And did the statements that you gave in that  
3 television program were those to the best of  
4 your knowledge and ability the truth?

5 A. Yes. That happened, like I mention, years  
6 ago, and right after what happened I was  
7 interviewed. What I recall maybe not  
8 100 percent, you know, even when I had the  
9 meeting with you I can't remember a lot of  
10 the things that happened. It happened so  
11 many years ago.

12 Q. Understood.

13 And how did you -- who introduced  
14 you to TelexFree?

15 A. It was a couple, I mentioned, that were  
16 meeting, the name is Alfredo Marillo, the  
17 husband name, and Jacqueline Marillo, the  
18 wife. We went to their home and all of them  
19 was part of a group, we had birthday parties  
20 and all this stuff. And then after I was  
21 introduced to Jenn Carla and her husband,  
22 Jenn Carla Bonito and her husband, yes.

23 Q. And you said, did you say Nemez?

24 A. Yes. It's very hard for me to pronounce

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1 that name.

2 Q. Would it be Sandor Nemez?

3 A. Yes, that's right.

4 Q. I think we will have some documents that  
5 will have the spelling there.

6 Did you give money to the Marillos  
7 and to the second couple that you mentioned?

8 A. Yes, I did.

9 Q. And did you give records of how much money,  
10 did you keep records of how much money you  
11 gave them?

12 A. To the best of our ability, we have the  
13 copies that I gave you, but unfortunately,  
14 you know, we were, I guess, too naïve and  
15 too greedy, too stupid at the same time to  
16 just give a chunk of money and not, no  
17 documents or anything at all. But we gave  
18 them money, we gave them cash. Everything  
19 was cash. There was no check, no signed  
20 documents or anything.

21 Q. You still have some records from TelexFree;  
22 is that right?

23 A. Yes.

24 Q. At some point in time, did you have more

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1 records than you currently have?

2 A. I believe, I did, yes. Like I mention, you  
3 know, we had a very ugly separation and  
4 divorce with my ex-husband, with TelexFree  
5 that I move from Marlboro to Sudbury so in  
6 that transition a lot of stuff got lost and  
7 I think maybe my ex-husband, because like I  
8 said, it was very ugly, a lot of things  
9 disappear, yeah.

10 Q. I'm going to mark an exhibit. I'm going to  
11 ask if you see it on your E-Depoze screen.

12 A. Yes. Open new exhibit?

13 Q. Yes.

14 (Exhibit 1 marked  
15 for identification.)

16 A. Okay. I will open that.

17 This is the paper that I gave you,  
18 yeah, the copy you made a couple days ago,  
19 yes.

20 Q. You're referring to when we met in person at  
21 your house you provided me with photocopies  
22 of the files that you have in connection  
23 with TelexFree; is that correct?

24 A. Yes.

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1 Q. And if you're able to look through the  
2 pages, there's 18 pages in total, if you  
3 could look through them and tell me if this  
4 is a copy of the documents that you  
5 provided?

6 A. Some are upside down.

7 Q. I tried to fix that, I apologize.

8 A. No worries.

9 Page 7 now, so far, yes. It's  
10 taking a little longer.

11 (Pause)

12 A. So far on page 12, I see, yes, those are the  
13 copies that we did on Tuesday.

14 Q. And I'm going to first ask you to look at  
15 page 10. If you could go to page 10.

16 A. I'm at page 10.

17 Q. Page 10 has a bunch of checkmarks in boxes.  
18 Could you tell me what page 10 is showing?

19 A. That's the way that when I was looking  
20 before our meeting this morning, the papers,  
21 this is the numbers, how many phone lines we  
22 had, and the taxes were going everyday to  
23 post those lines on the Internet or through  
24 the computer, yes.

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1 Q. When you say phone lines, are you referring  
2 to accounts?

3 A. Yes.

4 Q. With TelexFree?

5 A. Yes.

6 MR. BENNETT: Excuse me, before you  
7 go further. I am having difficulty logging  
8 in. I am missing the session number, the  
9 log-in.

10 MR. RONA: It's in the zoom chat.  
11 21635.

12 (Pause)

13 MR. BENNETT: Thank you.

14 Q. Ms. Torrico, the left hand column says, does  
15 it not, jdaza?

16 A. Yes.

17 Q. A series of numbers?

18 A. Yes.

19 Q. And to your recollection, these are notes  
20 that you wrote; is that right?

21 A. Yes.

22 Q. And these, on the left hand column those,  
23 you call them phone lines but do those refer  
24 to accounts at TelexFree?

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1 A. That's correct, yes. I notice the writing  
2 on the left hand side is my ex-husband or my  
3 late husband's writing and the other ones  
4 are mine, yes. Those are the ones, how many  
5 accounts we had. Of course, it says 1 to  
6 10, 1, 10, 11. We had, at one point, I  
7 think, we had more than 30 accounts.

8 Q. In whose name were the accounts?

9 A. Under my late husband's name.

10 Q. Did you have any accounts that were under  
11 your name?

12 A. I don't remember. I know you mention over  
13 the phone that it was some accounts that  
14 Ross, it was R O S S, I think what you said,  
15 and that was my nickname in Bolivia. I  
16 guess, at one point we created more  
17 accounts.

18 Q. To your knowledge, did you ever create an  
19 account under the name Rosmery Torrico?

20 A. I don't think so. I don't remember.  
21 Everything was mostly under that one Daza.

22 Q. And is that the name of your ex-husband?

23 A. Yes.

24 Q. He is currently deceased; is that correct?

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1 A. Yes.

2 Q. And so this, on page 10, does this reflect  
3 the practice in TelexFree of posting daily  
4 ads for each account?

5 A. Yes.

6 Q. And you were to earn credits?

7 A. Yes.

8 Q. Did anyone help you set up these accounts?

9 A. Yes, they did, because we didn't even know  
10 how to do that. The couple, the second  
11 couple, help us to set up all of this.

12 And I'm assuming because we didn't  
13 how to do that, the first couple help us to  
14 do that, the same thing, to set up some of  
15 the accounts. And then when we got more  
16 accounts that's when we got help from the  
17 them, yes.

18 Q. You say they helped you, so you're referring  
19 to the couples that you had given money to?

20 A. Yeah, yeah.

21 Q. And when you say helped, do you know who  
22 actually sat at the computer and created the  
23 accounts, let's focus just on the beginning  
24 period?

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1 A. The beginning period so it was the first  
2 three accounts it was Jacqueline Marillo and  
3 her husband, they help us to set up. Then  
4 when we got more accounts, Sandro and his  
5 wife, actually, his wife help us to create  
6 even the gmail account because we didn't  
7 even know how to create a gmail account.

8 At the beginning everything was in  
9 their home in Worcester, and then once, I  
10 think, their business grew for them, got  
11 bigger and bigger and bigger, they have so  
12 many people wanting to get into the  
13 TelexFree they open an office in Framingham.

14 Q. Do you remember the address of that office?

15 A. I can drive by, but I don't remember. I  
16 think we went once or twice to that office.  
17 Maybe just once. But it was most of the  
18 time, 99 percent of the time we were going  
19 to their house.

20 Q. When accounts were being set up whose  
21 computer was being used?

22 A. Their commuter, because when we went to the  
23 office in Framingham they use their  
24 computer. And I think when we went to



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1 Worcester, I'm assuming it was their  
2 computer because I don't ever recall  
3 bringing any, we didn't own a laptop so our  
4 computer was very big bulky old-fashioned  
5 way computer and we had the iPad and all the  
6 stuff, but we used their computers, their  
7 system. We never brought any computer or  
8 anything to their home or their office.

9 Q. Did the couples that you reference, did they  
10 give you suggestions or recommendations or  
11 advice on how to set up the accounts?

12 A. Once we start with them they show us, you  
13 know, how to do that. I have to be honest,  
14 and I am not going to make this up, I cannot  
15 lie under oath, I don't remember if we  
16 created our own accounts or -- I know they  
17 show us step-by-step because in the papers  
18 that I show you there's some steps how to  
19 click here, click there, but I don't know if  
20 it was just to create the accounts or to  
21 post. This happened, how many years ago, 10  
22 year ago, 11 years ago, nine years ago, so I  
23 don't really recollect everything.

24 Q. Do you know whose idea or suggestion it was

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1 to have accounts that said jdaza and then  
2 have numbers going sequentially?

3 A. I want to say they, the Marillos and Sandro  
4 and his wife, they told us, you know, you  
5 have to create an account, put a name, it  
6 will be something easy to remember. And I  
7 remember Juan said, okay, let's do jdaza, I  
8 think they said it's too long so maybe they  
9 shorten, and they number, I think people do  
10 numbers 1234 accounts so it will be easy for  
11 you.

12 Like I said, we were like kids, we  
13 were doing what we were told thinking that  
14 we going to get money. We were not taking  
15 advantage to anybody, we were thinking there  
16 was someone honest money somehow, and not  
17 going to place to work for 10, 12 hours or  
18 eight hours a day and be at home in a  
19 convenient phone lines or posted lines on  
20 the computer.

21 Q. If I could have you turn to page 13 of  
22 Exhibit 1. Let me know when you're there.

23 A. I am there.

24 Q. Do you recognize this page?

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1 A. Yes.

2 Q. whose handwriting is this?

3 A. My late husband.

4 Q. what does this show?

5 A. It shows when we purchase the accounts and  
6 how many accounts and all this stuff, how  
7 much money we put, I don't know if that's  
8 the right terminology to say that, but,  
9 yeah.

10 Q. There's two columns of dollar amounts; is  
11 that right?

12 A. Yes.

13 Q. what does the left hand column represent?

14 A. Looks like how much money we gave the first  
15 time and then the second time, and then it  
16 looks like there was a return and  
17 reimbursed. And then we bought more lines  
18 of credit, or whatever it was called, yeah.

19 Q. Then at the bottom there's a subtotal. Do  
20 you see that?

21 A. Yes.

22 Q. what is that number?

23 A. 35,213. But I know it was more than that.

24 Q. When you say it was, what do you believe was

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1 more than 35,000?

2 A. What you said, you know, what I told on the  
3 TV was 60,000. I don't know what the 60,000  
4 per se in total, but I know it was closer  
5 than that. Because we created with  
6 different names and all this stuff because I  
7 know we had money in the savings. I know we  
8 moved the money and all the stuff. We like  
9 to have cash just in case anything could  
10 happen in life. So I know all the cash we  
11 were bringing to them. And unfortunately, I  
12 don't have more papers to prove that. And  
13 that is the sad part. And I don't have any  
14 documents so it's my word against their  
15 word. I know that.

16 Q. Is it your belief, to the best of your  
17 recollection, that the amount of money that  
18 you put into TelexFree --

19 A. I lost you.

20 (Screen froze)

21 A. I lost you for a few seconds.

22 Q. Let me ask that question again.

23 Is it your belief, to the best of  
24 your recollection, that the amount of money

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1           you put into TelexFree was not less than  
2           \$35,000?

3       A.    Oh, no, not less, no.

4       Q.    At some point did you submit a proof of  
5           claim in the TelexFree bankruptcy?

6       A.    I did when, I think, one of the relatives  
7           from the Nemez, and his wife, mentioned  
8           something that there was a group, and we saw  
9           in the newspapers and it got bigger and  
10          bigger in the news, that there was a group  
11          of Brazilian women they were helping trying  
12          to get some money, they were in a  
13          class-action, you know, against TelexFree  
14          because I show the newspapers.

15               And I contact them and we went to  
16          multiple meetings in Brighton, then we went  
17          to Chelsea, and they brought lawyers which  
18          it was incredible to see how people they can  
19          help each other fight for their rights. I  
20          didn't know how to do it and they walk me  
21          through that. And I know I show you the  
22          papers. I said, I don't recollect sending  
23          it to the Brazilian group because people  
24          were bringing all the documents, all their

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1 stuff to send it, to fax it over, or file  
2 over, or something like that, yes.

3 Q. Did someone help you submit your proof of  
4 claim?

5 A. Yeah, yeah. The Brazilian group of women,  
6 help a lot of people. And I'm very grateful  
7 for them.

8 Q. Before we get to a little bit about the  
9 claim. When I asked you earlier about the  
10 amount of money that you put into TelexFree,  
11 the money that you put in, whose money was  
12 that, was that your money or your  
13 ex-husband's?

14 A. We never his or mine, it was ours. But the  
15 person who made more money through our  
16 marriage it was me, so it was our money, my  
17 money.

18 Q. And the claim that you submitted was that in  
19 your name?

20 A. It was -- hold on, let me see. Everything  
21 was under my late husband's name, had to be  
22 under his name, otherwise will not  
23 recognize, but I put his name. And also at  
24 one point they send me stuff, the check or

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1 the gift cards under my name.

2 Q. Let me see if we can, we will go to page --

3 A. Even the accounts it was not under his name  
4 it was ours.

5 Q. If you go to page 14 there's a proof of  
6 claim form.

7 A. Yes.

8 Q. Do you know who filled out that form?

9 A. I did.

10 Q. And the amount of the claim listed, is that  
11 that same 35,000 figure that we saw in your  
12 notes?

13 A. Yes, but it's a little different, and I  
14 mention that to you on Tuesday to say I  
15 cannot remember to save my life. And you  
16 said it was the system that showed that  
17 amount and someone gave me that system and  
18 I'm assuming it was that group that was  
19 helping us.

20 Q. But this form, you filled this out; is that  
21 right?

22 A. Yes.

23 Q. And then if we keep going, at some point you  
24 had a claim that was allowed; is that right?

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1 A. I'm sorry.

2 Q. At some point your claim was allowed by the  
3 bankruptcy court; is that correct? You  
4 ended up getting paid some money on your  
5 claim?

6 A. Oh, now, I understand, yeah, yeah.

7 Q. If you could go to page 17 there's a  
8 document that came from the bankruptcy  
9 court. It references a claim number  
10 105494-000. Do you see that?

11 A. Yes.

12 Q. Do you recognize that as your claim number?

13 A. According to the paper that's my claim  
14 number, I don't remember any specifics.  
15 This happened so long ago. Yeah, that is  
16 the paper that I provided to you.

17 Q. And you only submitted one claim; is that  
18 correct?

19 A. Yes.

20 Q. And then it says, amount of claim  
21 \$27,589.40. Do you see that?

22 A. Yes.

23 Q. Do you recognize that to be the amount of  
24 your claim that was allowed?



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1 A. I don't understand the question.

2 Q. Do you recognize the figure 27,000 to be the  
3 amount that your claim was valued at?

4 A. I guess, yes, what I see in the paper in  
5 front of me, the document, yes, that's the  
6 money that was the claim, allowed to say we  
7 will be getting that. But, of course, I did  
8 not get that amount.

9 Q. You got a lesser amount in the form of gift  
10 cards?

11 A. Yes.

12 Q. But nevertheless, the amount of your claim  
13 that was recognized was that \$27,589.40; is  
14 that right?

15 A. Yes. And the document says that.

16 Q. I'm going to now ask you to try to remember,  
17 you need to write that figure down  
18 27,589.40, and I'm going to leave this  
19 exhibit and I'm going to introduce what's  
20 going to be Exhibit 2. Let me know when you  
21 have that in front of you.

22 A. Yeah, opened. Okay.

23 Q. I don't believe you've ever seen this  
24 before. But I'm going to represent that

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1 this is data from the claims, the trustee's  
2 claim system. And you recognize the name on  
3 this first page; is that right?

4 A. I do.

5 Q. And there's a claim number, do you see that?

6 Do you need a break?

7 A. Just a second, please.

8 (Pause)

9 Q. On the first page there's a series of names  
10 and you recognize that name; is that right?

11 A. Yes.

12 Q. As your ex-husband?

13 A. Yes.

14 Q. And then there's a claim number on the first  
15 page that's 105494. Do you see that?

16 A. 105494, yes.

17 Q. And that seems like that's the same claim  
18 number that we saw earlier in Exhibit 1; is  
19 that right?

20 A. I think so. I didn't write the claim number  
21 down.

22 Q. You're right. I didn't ask you to write it  
23 down.

24 If we could go to page 13 there's,

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1 and it's a little hard to see because the  
2 headers are cut off a little bit, but do you  
3 see that 27,589.40 figure?

4 A. Page 13 you said?

5 Q. Yes.

6 A. Yes.

7 I'm sorry the reason I get  
8 overwhelmed is, how stupid, how naive, I  
9 worked so hard, more than my ex-husband, I  
10 work hard, very hard. I clean offices; I  
11 clean houses; I work in a dental office to  
12 save that money. And to just give it away.  
13 We had so much trouble, so many fights about  
14 this. I can't believe this. I thought this  
15 was over, this nine years was over. And  
16 10 years it's coming back again. I'm so  
17 sorry.

18 Q. I'm sorry to have you have to relive this.

19 But if you go to page 12 there's at  
20 least your first name and your partial  
21 address; is that right?

22 A. Page 12 you said?

23 Q. Yes.

24 A. Let me go to page 12. Yes.

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1 Q. And do you see that there's your first name  
2 and part of your address?

3 A. Yeah, yeah.

4 Q. And there's a part of an e-mail address in  
5 the middle. Do you still have or did you  
6 have when the claim was submitted access to  
7 the gmail account?

8 A. Yes.

9 Q. For the TelexFree accounts?

10 A. Yeah. I was able to get that because I  
11 thought it was most everything, the group  
12 said, you know, I have to get that e-mail  
13 account. I spoke to one of my former  
14 co-workers, a kid, he was very good with  
15 computers and all the technological, he was  
16 able to help me get this. I don't know how  
17 he did it. For the mercy of God, I was able  
18 to get the e-mail address back.

19 Q. If you could go to page 9. This will be the  
20 last question I think on this document. You  
21 see it says signature and then there's your  
22 name?

23 A. Yes.

24 Q. Did you sign the proof of claim in your

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1 name?

2 A. I sign.

3 Q. We can set aside Exhibit 2.

4 Now I'm going put what's going to  
5 be Exhibit 3.

6 (Exhibits 2-3 marked  
7 for identification.)

8 Q. I'm going to put that in front of you. Let  
9 me know when you have Exhibit 3 in front of  
10 you.

11 A. I have it.

12 Q. I don't know if you've seen this before, but  
13 I'm just going to represent that this is  
14 account data taken from the TelexFree  
15 computer system.

16 Do you recognize under B those  
17 account log-ins as the log-ins for your  
18 accounts?

19 A. Yes.

20 Q. The full name in column E there's some  
21 variations but that's your ex-husband's  
22 name?

23 A. Yes. I recognize the ones but then it's, I  
24 went all the way back down and it says J1.

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1 I don't remember that. I don't have a  
2 recollection of being like that.

3 Q. If you look at rows, on this first page of  
4 Exhibit 3, if you look at rows 19 and 20  
5 there's a reference to jdaza1 and 2 CLI.

6 Do you see that?

7 A. 19 and 20? Yeah.

8 Q. Do you see the log-in ends with CLI?

9 A. Yes.

10 Q. Do you know what CLI is referring to?

11 A. No, I don't. I don't remember. I don't  
12 know.

13 Q. We can go back to Exhibit 1 in a moment if  
14 that will help. But do you recall seeing in  
15 the documents that you compared and gave me  
16 copies of, do you recall seeing any accounts  
17 that had CLI?

18 A. Hold on just a second. If I'm looking at  
19 the right paper. I'm assuming you have your  
20 exhibit it will be easier.

21 Q. You don't have to look through the papers.  
22 I'm just asking if you remember seeing CLI  
23 in any of the papers that you looked at  
24 recently. You don't have to look at it now.

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1 I'm just asking if you remember.

2 A. I don't remember. I'm assuming if the  
3 papers of the I don't know.

4 Q. If you could go to page 2 of this exhibit  
5 there are a series of e-mail addresses and  
6 street addresses. Do you see those?

7 A. E-mail address, yeah.

8 Q. And there's a gmail address, is that the  
9 gmail address that one of the couples that  
10 you mentioned earlier helped you set up?

11 A. Yeah, yeah.

12 Q. Is that 224 Mechanic Street, is that your  
13 former residence in Marlboro?

14 A. Yes.

15 Q. Marlboro is spelled differently?

16 A. I was just looking at it right now.  
17 Marlboro is the wrong way. I notice that 19  
18 and 20 doesn't have address.

19 Q. Do you know why there might be variations in  
20 what was entered?

21 A. I don't know.

22 Q. Do you know who was able to enter account  
23 information for accounts that you were  
24 involved in; meaning, who besides you?

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1 A. Created the accounts or --

2 Q. Created the accounts and entering the  
3 information that went with it. Do you know  
4 who was involved besides you?

5 A. Created the account would be, like I said  
6 earlier, at the beginning it was the couple  
7 Marillo. And the second time it was Jenn  
8 Carla and Sandro Nemez. And I'm assuming at  
9 one point we did it with them, so yeah.

10 Q. And you recognize that some of those  
11 spellings of Marlboro are not correct?

12 A. Yes.

13 Q. If we keep going, I'm going to try to, you  
14 said you had a series of accounts. Do you  
15 recall testifying earlier that you had a  
16 number of accounts?

17 A. Yes, I had a number of accounts, yes.

18 Q. Something, more than 20 accounts?

19 A. Yes.

20 Q. This page 2 looks like it goes from one to  
21 32 so I'm just going to keep moving through  
22 this document until we get to page 6. If  
23 you go to page 6. Let me know when you're  
24 there.



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1 A. I am here.

2 Q. There's a series of accounts that don't have  
3 the name Juan Daza in them. Do you see  
4 that?

5 A. Yes.

6 Q. What name, do you recognize the name in  
7 column E that's not Juan Daza?

8 A. Yes, it's my nickname.

9 Q. And you mentioned earlier your nickname in  
10 Bolivia is Ross - R O S S?

11 A. Yes.

12 Q. Do you remember typing into a computer your  
13 nickname, Ross Ross in the creation of  
14 accounts?

15 A. I don't, to be honest, I don't. But I'm  
16 assuming if we create this, you know, I'm  
17 sure Jenn Carla help us to create more of  
18 this.

19 Q. We are at rows 34 all the way down to 63.  
20 If you go to the next page.

21 A. And also in the account data log-in there  
22 are a lot of numbers. I don't recognize any  
23 of those.

24 Q. If you could go to -- we're still looking at

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1 rows, when you make that observation you're  
2 talking about the column D entries for rows  
3 35 through 63?

4 A. Yes.

5 Q. I ask you to go to the next page, page 7.  
6 And, again, looking at rows 35 to 63, do you  
7 recognize the e-mail address for those rows?

8 A. Yes, all the e-mail addresses that we use.

9 Q. Then how about the address, 224 Belmont  
10 Street, Sudbury, do you recognize that  
11 address?

12 A. No, I don't.

13 Q. Okay. Have you ever lived there?

14 A. I know he work in Worcester, and I think it  
15 was a convenient store, I believe, it was  
16 Belmont Street in Worcester. I don't know  
17 Sudbury.

18 Q. When you say he, who are you referring to?

19 A. My late husband.

20 But not Sudbury. He used to work  
21 in Sudbury but that's not the address. It  
22 was 57 Corder Lane. I don't know what this  
23 224 Belmont Street in Sudbury is.

24 Q. That's not something that you recall typing

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1 into a computer?

2 A. No.

3 Q. If we could go to page 15.

4 A. I have not seen this.

5 Q. If you could go to page 15 there's column

6 BG. Let me know when you're at page 15.

7 A. I'm not there yet.

8 Q. I apologize. Let me know when you're there.

9 A. I'm here.

10 Q. Column BG says net equity and has a series  
11 of numbers in that. Do you see that?

12 A. Yes.

13 Q. Then for rows 76 there's a number 29974.9.  
14 Do you see that?

15 A. Yes.

16 Q. If I represented to you that that's the  
17 total amount of net equity for all of the  
18 accounts that had either your nickname or  
19 your e-mail or your home address for your  
20 ex-husband's name, would you agree with me  
21 that that amount is slightly larger than the  
22 amount that was in your claim in Exhibit 1?  
23 And we can go to it, if that will help you.

24 A. The 27,000?

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1 Q. Yes.

2 A. Yeah, yeah. You asked me to write the  
3 number, so yeah.

4 Q. It's slightly larger?

5 A. Yeah.

6 Q. Okay. It's a negative number?

7 A. Yeah.

8 Q. Okay. But it's a slightly larger negative  
9 number?

10 A. Yeah.

11 Q. And do you know what accounts were included  
12 when you submitted your proof of claim?

13 A. No, I don't. I don't because I didn't have  
14 any access to see, you know, how many  
15 accounts we had. I didn't know that even I  
16 can go in the computer or go on-line or  
17 anyplace to see my account or the accounts  
18 that we had. I didn't know that until you  
19 told me.

20 Q. Did you ever receive money from anybody  
21 involved with TelexFree, receive cash, I  
22 should say?

23 A. Yeah. I made sure that I talked to one of  
24 my co-workers, and I said, you know, I am

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1 doing this and I am posting. A lot of  
2 people are leaving their jobs and they are  
3 making good money. And she said, yes,  
4 Rosmery, I would like to have one credit or  
5 one line.

6 I do not recall if I cut the money  
7 or I gave the money to the couple, Sandro  
8 Nemez and Jenn Carla, because even though I  
9 was posting and doing that I was not savvy  
10 how to create and all that stuff. So I  
11 don't remember, unfortunately I don't. That  
12 was the only time.

13 Q. To the best of your recollection there was  
14 only one instance where you may have  
15 received money from somebody and that's  
16 referring to a co-worker of yours?

17 A. Yes.

18 MR. RONA: Why don't we take a  
19 quick break off the record.

20 THE VIDEOGRAPHER: We are now going  
21 off the record at 10:49 a.m.

22 (Off the record.)

23 THE VIDEOGRAPHER: We are back on  
24 the record at 10:58 a.m.

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1 Q. Ms. Torrico, my final question is, that in  
2 the instances where you gave cash to the  
3 couples that you mentioned earlier, did you  
4 know how that money was going to be  
5 accounted for in connection with the  
6 TelexFree operation; meaning, did you know  
7 how many accounts were going to be created  
8 or what the money was going to be used for?

9 A. Well, I knew how many accounts because every  
10 time they, you know, at the beginning it was  
11 1,425 so you had one account. It was for  
12 the purpose to, you know, post those phone  
13 lines and get a profit every time that you  
14 were posting. That was my understanding or  
15 our understanding.

16 Q. Do you know who decided which accounts would  
17 be created in the instances where you gave  
18 money?

19 A. The couple that were helping us, you know --  
20 maybe I'm not understanding who decide, when  
21 you say decide how many accounts where the  
22 accounts were created.

23 Q. I guess, what I'm saying is, did you have  
24 any awareness when you gave money to either

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1 of the couples how that would be translated  
2 into the computer system, how that would be  
3 recorded in the computer system?

4 A. I did not. We never ask that question. We  
5 didn't know where the money will be going  
6 other than just we were told that it was  
7 going to, you know -- to be honest, that's a  
8 very good question, where the money was  
9 going. I know it was going to the couples,  
10 and I thought, I don't know, I guess, we  
11 assumed that couple would give to someone  
12 else to buy us the credits or the lines, or  
13 whatever you call, so we can have those  
14 lines or those accounts.

15 MR. RONA: Ms. Torrico, thank you.  
16 I have no further questions.

17  
18 CROSS EXAMINATION

19 BY MR. BENNETT:

20 Q. Ms. Torrico, my name is Charles Bennett, I  
21 represent Mr. Darr who is the trustee of the  
22 TelexFree bankruptcy proceedings. I have a  
23 couple of questions for you regarding these  
24 transactions with the third-party.

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1 Do I understand your testimony to  
2 be that -- let me back up for a second.  
3 what was the name of the individual who was  
4 helping you set up the accounts and for whom  
5 you were giving the money to?

6 A. The first was, when we started it was the  
7 family Marillo, Jacqueline Marillo and  
8 Alfredo Marillo. And the second time when  
9 we were giving a lot of money it was Sandor  
10 Nemez and his wife Jenn Carla Bonito.

11 Q. When you met with Nemez and Bonito, how much  
12 money -- strike that.

13 Did you have an understanding of  
14 how the amount of money that you were giving  
15 them equated to what interest or what  
16 agreement you were getting from TelexFree?

17 A. Can you repeat the question again, please.

18 Q. Sure.

19 Each time that you gave either of  
20 those individuals money, what were you  
21 giving them the money for?

22 A. To get credits or to get those lines to post  
23 for the accounts.

24 Q. When you say to get those lines, what you're



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1 referring to is a membership interest to be  
2 able to participate in a TelexFree  
3 proceeding?

4 A. No, I don't know if, for me, English is not  
5 my first language. Membership is when, it's  
6 different. But I don't take it as a  
7 membership. It was to have those accounts  
8 so we can post and we can go on-line, and  
9 every time we were posting we were given  
10 money and money that we never took out of  
11 those accounts.

12 Q. With respect to the accounts, did you  
13 understand there was a certain amount of  
14 money that you would need to give to these  
15 individuals in order to get an account?

16 A. Yes.

17 Q. And what was that amount, to the best of  
18 your memory?

19 A. They started, each one was 1,425, I believe.

20 Q. Each time that you bought an account, did  
21 you pay 1,425 in cash to those individuals?

22 A. Yeah. Yes, I think, with the papers the  
23 lawyers, I gave them the copies, it was  
24 three accounts and then five accounts and

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1 more accounts and more accounts. For each  
2 one it was that amount.

3 Sometimes we took almost 5,000;  
4 sometimes we took 10,000; sometimes we take  
5 15,000, so yeah.

6 I'm looking at the paper right now,  
7 at one point I'm looking at my paper and  
8 seeing the lawyer provide is 4,275 the first  
9 time, but it was a close one some time in  
10 January and it says 8,550. Then in February  
11 it says 15,675. So it kept going on and on,  
12 yeah.

13 Q. And each time you made those payments you  
14 understood you were buying, what you  
15 understood to be an account which would  
16 allow you to earn credits?

17 A. Yeah, yeah.

18 Q. And all these transaction always were in  
19 cash?

20 A. Always. Unfortunately. Otherwise, we would  
21 not be in this predicament.

22 MR. BENNETT: Thank you. I have no  
23 further questions.

24 MR. RONA: Thank you, Ms. Torrico.

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1 THE WITNESS: You're very welcome.

2 THE VIDEOGRAPHER: If there are no  
3 further questions that concludes our  
4 deposition for today at 11:05 a.m.

5 THE COURT REPORTER: Who is going  
6 to get a copy of the transcript.

7 MR. BENNETT: Could you provide us,  
8 please, Charles Bennet at Murphy & King.

9 THE VIDEOGRAPHER: Also, if you  
10 could put your video orders on the  
11 transcript as well. Ilyas, I'm sure you  
12 just want the transcript for now.

13 MR. RONA: That's correct.  
14 Charles, do you want, let's stay in order.  
15 Do you put a video order in at this point?

16 MR. BENNETT: No, at this point the  
17 transcript will be fine. Then if we want  
18 the video we will contact O'Brien & Levine.

19 THE VIDEOGRAPHER: Ilyas, you want  
20 the video just not synchronized for the  
21 moment?

22 MR. RONA: That's correct.

23 The defendants will take an  
24 electronic only copy of the transcript.

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1           And the last order of business, Ms.  
2           Torrico, you have the opportunity to review  
3           the transcript and make any corrections. Is  
4           30 days enough time? It's going to be a  
5           short transcript, I think. Will 30 days be  
6           enough time from when you receive it to  
7           review it and send any corrections back?  
8           Can you hear me?

9           MS. TORRICO: Hello.

10          MR. RONA: I don't know if that's  
11          me. Can you hear me, Ms. Torrico?

12          THE WITNESS: I hear you now.

13          MR. RONA: Is 30 days enough time  
14          for you to review the transcript and send  
15          back any corrections that you have?

16          THE WITNESS: That would be fine.

17          (Off the record discussion.)

18          (Whereupon the deposition was  
19          concluded at 11:07 a.m.)

20

21

22

23

24

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1 ERRATA SHEET DISTRIBUTION INFORMATION

2 DEPONENT'S ERRATA & SIGNATURE INSTRUCTIONS

3  
4 ERRATA SHEET DISTRIBUTION INFORMATION

5 The original of the Errata Sheet has  
6 been delivered to Ilyas Rona, Esquire.

7 When the Errata Sheet has been  
8 completed by the deponent and signed, a copy  
9 thereof should be delivered to each party of  
10 record and the ORIGINAL forwarded to Ilyas  
11 Rona, Esquire, to whom the original  
12 deposition transcript was delivered.

13  
14 INSTRUCTIONS TO DEPONENT

15 After reading this volume of your  
16 deposition, please indicate any corrections  
17 or changes to your testimony and the reasons  
18 therefor on the Errata Sheet supplied to you  
19 and sign it. DO NOT make marks or notations  
20 on the transcript volume itself. Add  
21 additional sheets if necessary. Please  
22 refer to the above instructions for errata  
23 sheet distribution information.

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PLEASE ATTACH TO THE DEPOSITION OF:

Rosmery Torrico

CASE: TelexFree

DATE TAKEN: January 19, 2023

ERRATA SHEET

Please refer to page 49 for errata sheet  
instructions and distribution instructions.

PAGE	LINE	CHANGE	REASON
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I have read the foregoing transcript  
of my deposition and except for any  
corrections or changes noted above, I hereby  
subscribe to the transcript as an accurate  
record of the statements made by me.

Executed this       day of       , 2023.

ROSMERY TORRICO

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COMMONWEALTH OF MASSACHUSETTS)  
SUFFOLK, SS. )

I, Linda Bernis, a Registered  
Professional Reporter and Notary Public in  
and for the Commonwealth of Massachusetts,  
do hereby certify that ROSMERY TORRICO, the  
witness who remotely appeared, was duly  
sworn by me and that such deposition is a  
true record of the testimony given by the  
witness.

I further certify that I am neither  
related to or employed by any of the parties  
in or counsel to this action, nor am I  
financially interested in the outcome of  
this action.

In witness whereof, I have hereunto  
set my hand and seal this 22nd day of  
January, 2023.



Notary Public

My Commission expires:  
July 25, 2025

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<p><b>thousands</b> 8:23</p> <p><b>time</b> 9:13,14 13:15,24 19:18 22:15 35:7 40:12 41:10,13 43:8, 19 44:9,20 45:9,13 47:4,6,13</p> <p><b>today</b> 6:5 9:6 46:4</p> <p><b>told</b> 21:4,13 23:2 39:19 42:6</p> <p><b>Torrico</b> 5:5 8:2 9:13 16:14 17:19 41:1 42:15,20 45:24 47:2,9,11</p> <p><b>total</b> 15:2 23:4 38:17</p> <p><b>transaction</b> 45:18</p> <p><b>transactions</b> 42:24</p> <p><b>transcript</b> 46:6,11,12,17,24 47:3,5,14</p> <p><b>transition</b> 14:6</p> <p><b>translated</b> 42:1</p> <p><b>trouble</b> 9:3 30:13</p> <p><b>trustee</b> 5:8,12 7:11 42:21</p> <p><b>trustee's</b> 29:1</p> <p><b>truth</b> 12:4</p> <p><b>Tuesday</b> 9:3 15:13 26:14</p> <p><b>turn</b> 21:21</p> <p><b>TV</b> 10:17 11:2 23:3</p> <p><b>typing</b> 36:12 37:24</p> <hr/> <p><b>U</b></p> <hr/> <p><b>ugly</b> 14:3,8</p> <p><b>understand</b> 27:6 28:1 43:1 44:13</p>	<p><b>understanding</b> 41:14,15,20 43:13</p> <p><b>understood</b> 12:12 45:14,15</p> <p><b>Unit</b> 8:5</p> <p><b>United</b> 5:17</p> <p><b>upside</b> 15:6</p> <hr/> <p><b>V</b></p> <hr/> <p><b>valued</b> 28:3</p> <p><b>variations</b> 32:21 34:19</p> <p><b>verbally</b> 6:16</p> <p><b>versus</b> 5:9,12</p> <p><b>victim</b> 9:6</p> <p><b>victims</b> 8:17 9:9 11:10</p> <p><b>video</b> 6:3 8:16 46:10,15, 18,20</p> <p><b>video-recorded</b> 5:5</p> <hr/> <p><b>W</b></p> <hr/> <p><b>waive</b> 6:19</p> <p><b>walk</b> 24:20</p> <p><b>wanting</b> 19:12</p> <p><b>watch</b> 11:11,22</p> <p><b>wife</b> 12:18 19:5 21:4 24:7 43:10</p> <p><b>Winners</b> 5:11,14</p> <p><b>women</b> 24:11 25:5</p> <p><b>wondering</b> 8:20 9:7</p> <p><b>Worcester</b> 19:9 20:1 37:14,16</p>	<p><b>word</b> 23:14,15</p> <p><b>work</b> 21:17 30:10,11 37:14,20</p> <p><b>worked</b> 30:9</p> <p><b>world</b> 11:9</p> <p><b>worries</b> 15:8</p> <p><b>write</b> 28:17 29:20,22 39:2</p> <p><b>writing</b> 17:1,3</p> <p><b>wrong</b> 34:17</p> <p><b>wrote</b> 16:20</p> <hr/> <p><b>Y</b></p> <hr/> <p><b>year</b> 10:20 20:22</p> <p><b>years</b> 10:20 11:13 12:5,11 20:21,22 30:15,16</p> <hr/> <p><b>Z</b></p> <hr/> <p><b>zoom</b> 16:10</p>
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# Exhibit P.



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_e quity	total_martin _net_equity	total_freer_n et_equity	rep_email	rep_cel	rep_fone	rep_login	rep_data nasc	registratio n_date	ssn_id	rep_end	rep_n umero	rep_cep	city	state_ code	country _code
2	10403497	Ella Reid	10403497	10403497	\$ (1,075.10)	\$ (8,058.50)	\$ (8,058.50)	ellareid82@gn	8287135083	8287135083	ella82	1/30/82	7/5/13		7 Spring Drive		28806	Asheville	NC	US
3	13525181	Ella Reid	10403497	10403497	\$ (1,474.90)	\$ (8,058.50)	\$ (8,058.50)	ellareid82@gn	8287135083	8287135083	82ella		12/25/13		7 Spring Drive		28806	Asheville	NC	US
4	13525347	Ella Reid	10403497	10403497	\$ (1,474.90)	\$ (8,058.50)	\$ (8,058.50)	ellareid82@gn	8287135083	8287135083	ella1982		12/25/13		7 Spring Drive		28806	Asheville	NC	US
5	18588771	Ella Reid	10403497	10403497	\$ 389.00	\$ (8,058.50)	\$ (8,058.50)	ellareid82@gn	8287135083	8287135083	01ella	1/30/82	3/13/14		Spring Drive	7	28806	Asheville	NC	US
6	18594581	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	ffaithajelgohar	18287135083	18287135083	01ella1		3/13/14		Spring Drive	7	28806	Asheville	NC	US
7	18594737	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithajelgohar	18287135083	18287135083	01ella2		3/13/14		Spring Drive	7	28806	Asheville	NC	US
8	18594937	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithajelgohar	18287135083	18287135083	01ella3		3/13/14		Spring Drive	7	28806	Asheville	NC	US
9	18595491	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohar	18287135083	18287135083	01ella4		3/13/14		Spring Drive	7	28806	Asheville	NC	US
10	18595645	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohar	18287135083	18287135083	01ella5		3/13/14		Spring Drive	7	28806	Asheville	NC	US
11	18595913	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohar	18287135083	18287135083	01ella6		3/13/14		Spring Drive	7	28806	Asheville	NC	US
12	18596113	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohar	18287135083	18287135083	01ella7		3/13/14		Spring Drive	7	28806	Asheville	NC	US
13	18596223	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohar	18287135083	18287135083	01ella8		3/13/14		Spring Drive	7	28806	Asheville	NC	US
14	18596373	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohar	18287135083	18287135083	01ella9		3/13/14		Spring Drive	7	28806	Asheville	NC	US
15	18596541	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohar	18287135083	18287135083	01ella10		3/13/14		Spring Drive	7	28806	Asheville	NC	US
16	18601785	Ella Reid	10403497	10403497	\$ (309.60)	\$ (8,058.50)	\$ (8,058.50)	ellareid82@gn	18287135083	18287135083	02ella	1/30/82	3/13/14		Spring Drive	7	28806	Asheville	NC	US
17	18602435	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohar	18287135083	18287135083	02ella1		3/13/14		Spring Drive	7	28806	Asheville	NC	US
18	18602637	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohar	18287135083	18287135083	02ella2		3/13/14		Spring Drive	7	28806	Asheville	NC	US
19	18602751	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohar	18287135083	18287135083	02ella3		3/13/14		Spring Drive	7	28806	Asheville	NC	US
20	18602885	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohar	18287135083	18287135083	02ella4		3/13/14		Spring Drive	7	28806	Asheville	NC	US
21	18603113	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohar	18287135083	18287135083	02ella5		3/13/14		Spring Drive	7	28806	Asheville	NC	US
22	18603257	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohar	18287135083	18287135083	02ella6		3/13/14		Spring Drive	7	28806	Asheville	NC	US
23	18603459	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohar	18287135083	18287135083	02ella7		3/13/14		Spring Drive	7	28806	Asheville	NC	US
24	18603601	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohar	18287135083	18287135083	02ella8		3/13/14		Spring Drive	7	28806	Asheville	NC	US
25	18603765	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohar	18287135083	18287135083	02ella0		3/13/14		Spring Drive	7	28806	Asheville	NC	US
26	18603945	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohar	18287135083	18287135083	02ella10		3/13/14		Spring Drive	7	28806	Asheville	NC	US
27	18698549	Ella Reid	10403497	10403497	\$ (309.60)	\$ (8,058.50)	\$ (8,058.50)	ellareid82@gn	18287135083	18287135083	3ella	1/30/82	3/13/14		Spring Drive	7	28806	Asheville	NC	US
28	18699065	Ella Reid	10403497	10403497	\$ (309.60)	\$ (8,058.50)	\$ (8,058.50)	ellareid82@gn	18287135083	18287135083	4ella	1/30/82	3/13/14		Spring Drive	7	28806	Asheville	NC	US
29	18699461	Ella Reid	10403497	10403497	\$ (309.60)	\$ (8,058.50)	\$ (8,058.50)	ellareid82@gn	18287135083	18287135083	5ella	1/30/82	3/13/14		Spring Drive	7	28806	Asheville	NC	US
30	18700299	Ella Reid	10403497	10403497	\$ (190.20)	\$ (8,058.50)	\$ (8,058.50)	ellareid82@gn	18287135083	18287135083	6ella	1/30/82	3/13/14		Spring Drive	7	28806	Asheville	NC	US
31	18702827	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohar	18287135083	18287135083	3ella1		3/13/14		Spring Drive	7	28806	Asheville	NC	US
32	18703143	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohar	18287135083	18287135083	3ella2		3/13/14		Spring Drive	7	28806	Asheville	NC	US
33	18706769	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohar	18287135083	18287135083	3ella3		3/13/14		Spring Drive	7	28806	Asheville	NC	US
34	18707057	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohar	18287135083	18287135083	3ella5		3/13/14		Spring Drive	7	28806	Asheville	NC	US
35	18707611	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohar	18287135083	18287135083	3ella6		3/13/14		Spring Drive	7	28806	Asheville	NC	US
36	18707855	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohar	18287135083	18287135083	3ella7		3/13/14		Spring Drive	7	28806	Asheville	NC	US
37	18708127	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohar	18287135083	18287135083	3ella8		3/13/14		Spring Drive	7	28806	Asheville	NC	US
38	18708625	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohar	18287135083	18287135083	3ella9		3/13/14		Spring Drive	7	28806	Asheville	NC	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_e quity	total_martin _net_equity	total_freer_n et_equity	rep_email	rep_cel	rep_fone	rep_login	rep_data nasc	registratio n_date	ssn_id	rep_end	rep_n umero	rep_cep	city	state_ code	country _code
39	18709087	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohard	18287135083	18287135083	3ella10		3/13/14		Spring Drive	7	28806	Asheville	NC	US
40	18709357	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohard	18287135083	18287135083	3ella4		3/13/14		Spring Drive	7	28806	Asheville	NC	US
41	18714879	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohard	18287135083	18287135083	4ella1		3/13/14		Spring Drive	7	28806	Asheville	NC	US
42	18715091	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohard	18287135083	18287135083	4ella2		3/13/14		Spring Drive	7	28806	Asheville	NC	US
43	18715539	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohard	18287135083	18287135083	4ella3		3/13/14		Spring Drive	7	28806	Asheville	NC	US
44	18715753	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohard	18287135083	18287135083	4ella4		3/13/14		Spring Drive	7	28806	Asheville	NC	US
45	18715947	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohard	18287135083	18287135083	4ella5		3/13/14		Spring Drive	7	28806	Asheville	NC	US
46	18716125	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohard	18287135083	18287135083	4ella6		3/13/14		Spring Drive	7	28806	Asheville	NC	US
47	18716347	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohard	18287135083	18287135083	4ella7		3/13/14		Spring Drive	7	28806	Asheville	NC	US
48	18716593	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohard	18287135083	18287135083	4ella8		3/13/14		Spring Drive	7	28806	Asheville	NC	US
49	18716781	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohard	18287135083	18287135083	4ella9		3/13/14		Spring Drive	7	28806	Asheville	NC	US
50	18717145	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohard	18287135083	18287135083	4ella10		3/13/14		Spring Drive	7	28806	Asheville	NC	US
51	18722285	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohard	18287135093	18287135093	5ella1		3/13/14		Spring Drive	7	28806	Asheville	NC	US
52	18722499	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohard	18287135093	18287135093	5ella2		3/13/14		Spring Drive	7	28806	Asheville	NC	US
53	18722697	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohard	18287135093	18287135093	5ella3		3/13/14		Spring Drive	7	28806	Asheville	NC	US
54	18723095	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohard	18287135093	18287135093	5ella4		3/13/14		Spring Drive	7	28806	Asheville	NC	US
55	18723351	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohard	18287135093	18287135093	5ella5		3/13/14		Spring Drive	7	28806	Asheville	NC	US
56	18724105	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohard	18287135093	18287135093	5ella6		3/13/14		Spring Drive	7	28806	Asheville	NC	US
57	18724307	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohard	18287135093	18287135093	5ella7		3/13/14		Spring Drive	7	28806	Asheville	NC	US
58	18724751	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohard	18287135093	18287135093	5ella8		3/13/14		Spring Drive	7	28806	Asheville	NC	US
59	18725147	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohard	18287135093	18287135093	5ella9		3/13/14		Spring Drive	7	28806	Asheville	NC	US
60	18725385	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohard	18287135093	18287135093	5ella10		3/13/14		Spring Drive	7	28806	Asheville	NC	US
61	18730211	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohard	18287135093	18287135093	6ella1		3/13/14		Spring Drive	7	28806	Asheville	NC	US
62	18730419	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohard	18287135093	18287135093	6ella2		3/13/14		Spring Drive	7	28806	Asheville	NC	US
63	18730615	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohard	18287135093	18287135093	6ella3		3/13/14		Spring Drive	7	28806	Asheville	NC	US
64	18730841	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohard	18287135093	18287135093	6ella4		3/13/14		Spring Drive	7	28806	Asheville	NC	US
65	18731079	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohard	18287135093	18287135093	6ella5		3/13/14		Spring Drive	7	28806	Asheville	NC	US
66	18731309	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohard	18287135093	18287135093	6ella6		3/13/14		Spring Drive	7	28806	Asheville	NC	US
67	18731545	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohard	18287135093	18287135093	6ella7		3/13/14		Spring Drive	7	28806	Asheville	NC	US
68	18731917	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohard	18287135093	18287135093	6ella8		3/13/14		Spring Drive	7	28806	Asheville	NC	US
69	18732237	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohard	18287135093	18287135093	6ella9		3/13/14		Spring Drive	7	28806	Asheville	NC	US
70	18733001	Ella Reid	10403497	10403497	\$ (49.90)	\$ (8,058.50)	\$ (8,058.50)	faithjaelgohard	18287135093	18287135093	6ella10		3/13/14		Spring Drive	7	28806	Asheville	NC	US

# Exhibit Q.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO
1	rep_id	claimid	firstname	middlename	lastname	claimnumber	creditor type	signature	signature date	noticeaddress	signature addressid	issubmitted	doesamend	hasagreed	hasaccepted	createddatetime	createdbyid	updateddatetime	updatedbyid	CLAIMID	REGISTRATIONID	REGISTRATIONNAME	REGISTRATIONEMAIL	CLAIMNUMBER	ISCLAIMAMENDED	CREDITORNAME	SIGNATURE	DATECLAIM FILE	NOTICEFULLNAME	NOTICEADDRESS	NOTICECOUNTRY	NOTICEEMAIL	PAYMENTADDRESS	PAYMENTEMAIL	LOGIN	NETEQUITY PERTELEX	AMOUNT OF CLAIM	SUM OF DIRECT RECEIPT	SUM OF TRIANGULAR PAYMENT	SUM OF TRIANGULAR RECEIPT	UPDATEDDATE TIME
2	10403497	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgohar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgohar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgohar@gmail.com	ella82	\$ 1,075.10	\$ 1,075.10	\$ (300.00)	\$ 1,425.00	\$ (49.90)	8/29/16 8:45 AM
3	13525181	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgohar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgohar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgohar@gmail.com	82ella	\$ 1,474.90	\$ 1,474.90	\$ -	\$ 1,474.90	\$ -	8/29/16 8:45 AM
4	13525347	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgohar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgohar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgohar@gmail.com	ella1982	\$ 1,474.90	\$ 1,474.90	\$ -	\$ 1,524.80	\$ (49.90)	8/29/16 8:45 AM
5	18588771	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgohar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgohar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgohar@gmail.com	01ella	\$ (389.00)	\$ (389.00)	\$ -	\$ 359.50	\$ (748.50)	8/29/16 8:45 AM
6	18594581	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgohar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgohar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgohar@gmail.com	01ella1	\$ 49.90	\$ 49.90	\$ -	\$ 49.90	\$ -	8/29/16 8:45 AM
7	18594737	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgohar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgohar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgohar@gmail.com	01ella2	\$ 49.90	\$ 49.90	\$ -	\$ 49.90	\$ -	8/29/16 8:45 AM
8	18594937	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgohar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgohar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgohar@gmail.com	01ella3	\$ 49.90	\$ 49.90	\$ -	\$ 49.90	\$ -	8/29/16 8:45 AM
9	18595491	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgohar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgohar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgohar@gmail.com	01ella4	\$ 49.90	\$ 49.90	\$ -	\$ 49.90	\$ -	8/29/16 8:45 AM
10	18595645	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgohar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgohar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgohar@gmail.com	01ella5	\$ 49.90	\$ 49.90	\$ -	\$ 49.90	\$ -	8/29/16 8:45 AM
11	18595913	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgohar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgohar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgohar@gmail.com	01ella6	\$ 49.90	\$ 49.90	\$ -	\$ 49.90	\$ -	8/29/16 8:45 AM
12	18596113	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgohar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgohar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgohar@gmail.com	01ella7	\$ 49.90	\$ 49.90	\$ -	\$ 49.90	\$ -	8/29/16 8:45 AM
13	18596223	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgohar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgohar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgohar@gmail.com	01ella8	\$ 49.90	\$ 49.90	\$ -	\$ 49.90	\$ -	8/29/16 8:45 AM
14	18596373	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgohar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgohar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgohar@gmail.com	01ella9	\$ 49.90	\$ 49.90	\$ -	\$ 49.90	\$ -	8/29/16 8:45 AM
15	18596541	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgohar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgohar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgohar@gmail.com	01ella10	\$ 49.90	\$ 49.90	\$ -	\$ 49.90	\$ -	8/29/16 8:45 AM
16	18601785	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgohar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgohar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgohar@gmail.com	02ella	\$ 309.60	\$ 309.60	\$ -	\$ 359.50	\$ (49.90)	8/29/16 8:45 AM
17	18602435	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgohar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgohar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgohar@gmail.com	02ella1	\$ 49.90	\$ 49.90	\$ -	\$ 49.90	\$ -	8/29/16 8:45 AM
18	18602637	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgohar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgohar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgohar@gmail.com	02ella2	\$ 49.90	\$ 49.90	\$ -	\$ 49.90	\$ -	8/29/16 8:45 AM
19	18602751	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgohar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgohar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgohar@gmail.com	02ella3	\$ 49.90	\$ 49.90	\$ -	\$ 49.90	\$ -	8/29/16 8:45 AM
20	18602885	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgohar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgohar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgohar@gmail.com	02ella4	\$ 49.90	\$ 49.90	\$ -	\$ 49.90	\$ -	8/29/16 8:45 AM
21	18603113	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgohar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgohar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgohar@gmail.com	02ella5	\$ 49.90	\$ 49.90	\$ -	\$ 49.90	\$ -	8/29/16 8:45 AM

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO
1	rep_id	claimid	firstname	middlename	lastname	claimnumber	creditor type	signature	signature date	noticeaddress	signature addressid	issubmitted	doesamend	hasagreed	hasaccepted	createdatetime	createdbyid	updatedatetime	updatedbyid	CLAIMID	REGISTRATIONID	REGISTRATIONNAME	REGISTRATIONEMAIL	CLAIMNUMBER	ISCLAIMAMENDED	CREDITORNAME	SIGNATURE	DATECLAIM FILE	NOTICEFULLNAME	NOTICEADDRESS	NOTICECOUNTRY	NOTICEEMAIL	PAYMENTADDRESS	PAYMENTEMAIL	LOGIN	NETEQUITY PERTELEX	AMOUNT OF CLAIM	SUM OF DIRECT RECEIPT	SUM OF TRIANGULAR PAYMENT	SUM OF TRIANGULAR RECEIPT	UPDATED DATE TIME
22	18603257	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgothar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgothar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgothar@gmail.com	02ella6	\$ 49.90	\$ 49.90	\$ -	\$ 49.90	\$ -	8/29/16 8:45 AM
23	18603459	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgothar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgothar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgothar@gmail.com	02ella7	\$ 49.90	\$ 49.90	\$ -	\$ 49.90	\$ -	8/29/16 8:45 AM
24	18603601	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgothar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgothar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgothar@gmail.com	02ella8	\$ 49.90	\$ 49.90	\$ -	\$ 49.90	\$ -	8/29/16 8:45 AM
25	18603765	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgothar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgothar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgothar@gmail.com	02ella0	\$ 49.90	\$ 49.90	\$ -	\$ 49.90	\$ -	8/29/16 8:45 AM
26	18603945	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgothar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgothar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgothar@gmail.com	02ella10	\$ 49.90	\$ 49.90	\$ -	\$ 49.90	\$ -	8/29/16 8:45 AM
27	18698549	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgothar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgothar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgothar@gmail.com	3ella	\$ 309.60	\$ 309.60	\$ -	\$ 359.50	\$ (49.90)	8/29/16 8:45 AM
28	18699065	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgothar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgothar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgothar@gmail.com	4ella	\$ 309.60	\$ 309.60	\$ -	\$ 359.50	\$ (49.90)	8/29/16 8:45 AM
29	18699461	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgothar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgothar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgothar@gmail.com	5ella	\$ 309.60	\$ 309.60	\$ -	\$ 359.50	\$ (49.90)	8/29/16 8:45 AM
30	18700299	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgothar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgothar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgothar@gmail.com	6ella	\$ 190.20	\$ 190.20	\$ -	\$ 359.50	\$ (169.30)	8/29/16 8:45 AM
31	18702827	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgothar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgothar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgothar@gmail.com	3ella1	\$ 49.90	\$ 49.90	\$ -	\$ 49.90	\$ -	8/29/16 8:45 AM
32	18703143	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgothar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgothar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgothar@gmail.com	3ella2	\$ 49.90	\$ 49.90	\$ -	\$ 49.90	\$ -	8/29/16 8:45 AM
33	18706769	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgothar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgothar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgothar@gmail.com	3ella3	\$ 49.90	\$ 49.90	\$ -	\$ 49.90	\$ -	8/29/16 8:45 AM
34	18707057	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgothar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgothar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgothar@gmail.com	3ella5	\$ 49.90	\$ 49.90	\$ -	\$ 49.90	\$ -	8/29/16 8:45 AM
35	18707611	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgothar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgothar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgothar@gmail.com	3ella6	\$ 49.90	\$ 49.90	\$ -	\$ 49.90	\$ -	8/29/16 8:45 AM
36	18707855	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgothar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgothar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgothar@gmail.com	3ella7	\$ 49.90	\$ 49.90	\$ -	\$ 49.90	\$ -	8/29/16 8:45 AM
37	18708127	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgothar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgothar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgothar@gmail.com	3ella8	\$ 49.90	\$ 49.90	\$ -	\$ 49.90	\$ -	8/29/16 8:45 AM
38	18708625	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgothar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgothar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgothar@gmail.com	3ella9	\$ 49.90	\$ 49.90	\$ -	\$ 49.90	\$ -	8/29/16 8:45 AM
39	18709087	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgothar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgothar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgothar@gmail.com	3ella10	\$ 49.90	\$ 49.90	\$ -	\$ 49.90	\$ -	8/29/16 8:45 AM
40	18709357	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgothar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgothar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgothar@gmail.com	3ella4	\$ 49.90	\$ 49.90	\$ -	\$ 49.90	\$ -	8/29/16 8:45 AM
41	18714879	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgothar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgothar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgothar@gmail.com	4ella1	\$ 49.90	\$ 49.90	\$ -	\$ 49.90	\$ -	8/29/16 8:45 AM

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO			
1	rep_id	claimid	firstname	middlename	lastname	claimnumber	creditor type	signature	signature date	noticeaddressid	signature addressid	issubmitted	doesamend	hasagreed	hasaccepted	createdatetime	createdbyid	updatedatetime	updatedbyid	CLAIMID	REGISTRATIONID	REGISTRATIONNAME	REGISTRATIONEMAIL	CLAIMNUMBER	ISCLAIMENDED	CREDITORNAME	SIGNATURE	DATECLAIM FILE	NOTICEFULLNAME	NOTICEADDRESS	NOTICECOUNTRY	NOTICEEMAIL	PAYMENTADDRESS	PAYMENTEMAIL	LOGIN	NETEQUITY PERTELEX	AMOUNT FCLAIM	SUMOFDIRECTRECEIPT	SUMOFFRIANGULARPAYMENT	SUMOFFRIANGULARECEIPT	UPDATEDDATETIME			
42	18715091	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgothar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgothar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgothar@gmail.com	4ella2	\$	49.90	\$	49.90	\$ -	\$	49.90	\$ -	8/29/16 8:45 AM
43	18715539	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgothar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgothar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgothar@gmail.com	4ella3	\$	49.90	\$	49.90	\$ -	\$	49.90	\$ -	8/29/16 8:45 AM
44	18715753	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgothar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgothar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgothar@gmail.com	4ella4	\$	49.90	\$	49.90	\$ -	\$	49.90	\$ -	8/29/16 8:45 AM
45	18715947	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgothar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgothar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgothar@gmail.com	4ella5	\$	49.90	\$	49.90	\$ -	\$	49.90	\$ -	8/29/16 8:45 AM
46	18716125	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgothar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgothar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgothar@gmail.com	4ella6	\$	49.90	\$	49.90	\$ -	\$	49.90	\$ -	8/29/16 8:45 AM
47	18716347	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgothar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgothar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgothar@gmail.com	4ella7	\$	49.90	\$	49.90	\$ -	\$	49.90	\$ -	8/29/16 8:45 AM
48	18716593	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgothar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgothar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgothar@gmail.com	4ella8	\$	49.90	\$	49.90	\$ -	\$	49.90	\$ -	8/29/16 8:45 AM
49	18716781	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgothar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgothar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgothar@gmail.com	4ella9	\$	49.90	\$	49.90	\$ -	\$	49.90	\$ -	8/29/16 8:45 AM
50	18717145	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgothar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgothar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgothar@gmail.com	4ella10	\$	49.90	\$	49.90	\$ -	\$	49.90	\$ -	8/29/16 8:45 AM
51	18722285	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgothar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgothar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgothar@gmail.com	5ella1	\$	49.90	\$	49.90	\$ -	\$	49.90	\$ -	8/29/16 8:45 AM
52	18722499	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgothar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgothar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgothar@gmail.com	5ella2	\$	49.90	\$	49.90	\$ -	\$	49.90	\$ -	8/29/16 8:45 AM
53	18722697	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgothar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgothar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgothar@gmail.com	5ella3	\$	49.90	\$	49.90	\$ -	\$	49.90	\$ -	8/29/16 8:45 AM
54	18723095	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgothar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgothar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgothar@gmail.com	5ella4	\$	49.90	\$	49.90	\$ -	\$	49.90	\$ -	8/29/16 8:45 AM
55	18723351	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgothar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgothar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgothar@gmail.com	5ella5	\$	49.90	\$	49.90	\$ -	\$	49.90	\$ -	8/29/16 8:45 AM
56	18724105	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgothar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgothar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgothar@gmail.com	5ella6	\$	49.90	\$	49.90	\$ -	\$	49.90	\$ -	8/29/16 8:45 AM
57	18724307	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgothar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgothar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgothar@gmail.com	5ella7	\$	49.90	\$	49.90	\$ -	\$	49.90	\$ -	8/29/16 8:45 AM
58	18724751	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgothar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgothar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgothar@gmail.com	5ella8	\$	49.90	\$	49.90	\$ -	\$	49.90	\$ -	8/29/16 8:45 AM
59	18725147	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgothar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgothar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgothar@gmail.com	5ella9	\$	49.90	\$	49.90	\$ -	\$	49.90	\$ -	8/29/16 8:45 AM
60	18725385	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgothar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgothar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgothar@gmail.com	5ella10	\$	49.90	\$	49.90	\$ -	\$	49.90	\$ -	8/29/16 8:45 AM
61	18730211	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgothar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgothar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgothar@gmail.com	6ella1	\$	49.90	\$	49.90	\$ -	\$	49.90	\$ -	8/29/16 8:45 AM

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO
1	rep_id	claimid	firstname	middlename	lastname	claimnumber	creditor type	signature	signature date	noticeaddressid	signature addressid	issubmitted	doesamend	hasagreed	hasaccepted	createddatetime	createdbyid	updateddatetime	updatedbyid	CLAIMID	REGISTRATIONID	REGISTRATIONNAME	REGISTRATIONEMAIL	CLAIMNUMBER	ISCLAIMAMENDED	CREDITORNAME	SIGNATURE	DATECLAIM FILE	NOTICEFULLNAME	NOTICEADDRESS	NOTICECOUNTRY	NOTICEEMAIL	PAYMENTADDRESS	PAYMENTEMAIL	LOGIN	NETEQUITY PERTELEX	AMOUNTOFCLAIM	SUMOFDIRECTRECEIPT	SUMOFDIRANGULARPAYMENT	SUMOFTRIANGULARRECEIPT	UPDATEDDATETIME
62	18730419	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgohar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgohar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgohar@gmail.com	6ella2	\$ 49.90	\$ 49.90	\$ -	\$ 49.90	\$ -	8/29/16 8:45 AM
63	18730615	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgohar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgohar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgohar@gmail.com	6ella3	\$ 49.90	\$ 49.90	\$ -	\$ 49.90	\$ -	8/29/16 8:45 AM
64	18730841	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgohar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgohar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgohar@gmail.com	6ella4	\$ 49.90	\$ 49.90	\$ -	\$ 49.90	\$ -	8/29/16 8:45 AM
65	18731079	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgohar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgohar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgohar@gmail.com	6ella5	\$ 49.90	\$ 49.90	\$ -	\$ 49.90	\$ -	8/29/16 8:45 AM
66	18731309	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgohar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgohar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgohar@gmail.com	6ella6	\$ 49.90	\$ 49.90	\$ -	\$ 49.90	\$ -	8/29/16 8:45 AM
67	18731545	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgohar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgohar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgohar@gmail.com	6ella7	\$ 49.90	\$ 49.90	\$ -	\$ 49.90	\$ -	8/29/16 8:45 AM
68	18731917	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgohar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgohar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgohar@gmail.com	6ella8	\$ 49.90	\$ 49.90	\$ -	\$ 49.90	\$ -	8/29/16 8:45 AM
69	18732237	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgohar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgohar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgohar@gmail.com	6ella9	\$ 49.90	\$ 49.90	\$ -	\$ 49.90	\$ -	8/29/16 8:45 AM
70	18733001	104375	Ella	Maria	Reid	46114	355	Ella Reid	8/29/16	129783	0	TRUE	FALSE	TRUE	TRUE	8/29/16 1:26 PM	59698	8/29/16 1:45 PM	59698	104375	59698	Ella Reid	faithjaelgohar@gmail.com	46114	FALSE	Ella Maria Reid	Ella Reid	8/29/16	Ella Reid	7 SPRING DR ASHEVILLE2 8806-1240	US	faithjaelgohar@gmail.com	7 SPRING DR ASHEVILLE2 8806-1240	faithjaelgohar@gmail.com	6ella10	\$ 49.90	\$ 49.90	\$ -	\$ 49.90	\$ -	8/29/16 8:45 AM

# Exhibit R.



**In the Matter of:**  
*Telexfree, LLC, et al. vs*  
*Franz Balan*

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*Ella Maria Reid*  
*February 22, 2023*

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*68 Commercial Wharf • Boston, MA 02110*  
*888.825.3376 - 617.399.0130*  
*Global Coverage*  
*Magnals.com*



Telexfree, LLC, et al. vs  
Franz Balan

Ella Maria Reid  
February 22, 2023

UNITED STATES BANKRUPTCY COURT  
DISTRICT OF MASSACHUSETTS

In Re TELEXFREE, LLC, et al.,  
Debtor,

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STEPHEN B. DARR, TRUSTEE OF THE  
ESTATES OF TELEXFREE LLC, et al.,  
Plaintiff,

v.

FRANZ BALAN, A REPRESENTATIVE OF A  
CLASS OF DEFENDANT NET WINNERS,  
Defendant.

)  
)  
)  
)  
) Case no.  
) 14-40987-EDK  
)  
) Chapter 11  
)  
) Adv. Proc. No.  
) 16-4006  
)  
)  
)

DEPOSITION OF ELLA MARIA REID  
Appearing remotely from  
31 Oteen Park Place  
Asheville, North Carolina  
February 22, 2023  
Commencing at 10:00 a.m.

Reported by: Genevieve Y.J. Van de Merghel  
Notary Public and Stenographer  
Appearing remotely from  
Hampshire County, Massachusetts

O'Brien & Levine Court Reporting Solutions  
68 Commercial wharf  
Boston, Massachusetts 02110  
617-399-0130

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A P P E A R A N C E S

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I N D E X

WITNESS

EXAMINATION

ELLA MARIA REID

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E X H I B I T S

NO.

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Exhibit 1 Claim Statement

12

(Exhibits provided to the court reporter  
to attach to the transcript.)

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P R O C E E D I N G S

Counsel present agree to conducting today's  
deposition remotely via videoconference.

ELLA MARIA REID, having first been  
identified by the production of her  
North Carolina driver's license and duly  
sworn Pursuant to Executive Order 144,  
testified as follows:

EXAMINATION

BY MS. PAPAS:

Q. Thank you for joining us today. I am just going  
to go through a couple basic instructions with you. I  
am not sure if you have been deposed before, but I am  
going to ask you a series of questions, and if you  
don't understand, please tell me. If you do answer my  
question, I am going to assume that you did understand  
the question and that you answered truthfully. Are  
you okay with those instructions?

A. Yes.

Q. And I will also ask that you give verbal answers  
for the court reporter, so please say "yes" or "no"  
instead of nodding your head. Can you do that?

A. Yes, I can.

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1 Q. Thank you. And I will also ask do you want an  
2 opportunity to review the written transcript of  
3 everything that we said today to review it to make  
4 sure it is accurate?

5 A. Yes, please.

6 Q. Okay. So we will -- once we get a copy of the  
7 transcript from the court reporter, we will send a  
8 copy to you, and then you will have 14 days once you  
9 receive it to review and sign under oath that it is  
10 accurate or to identify any errors and then return it  
11 to us. Can you do that?

12 A. Yes, I can.

13 Q. And then just a few more preliminaries. I just  
14 want to check, is anyone in the room with you today?

15 A. No.

16 Q. And did you talk to anyone about this deposition  
17 before appearing today?

18 A. No.

19 Q. Thank you. So my understanding is that you  
20 invested in the TelexFree program. Is that correct?

21 A. That is correct.

22 Q. And you submitted a claim for the amount you  
23 lost. Correct?

24 A. Yes, I did.

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1 Q. Okay. And do you remember the amount of that  
2 claim?

3 A. Not off the top of my head. I could find it  
4 out. It's in emails and such. But no.

5 Q. Okay. Our records show that you submitted a  
6 claim for \$8,058.50. Does that sound accurate?

7 A. Yes. That does, actually.

8 Q. When you submitted that claim, you declared the  
9 information was true and correct. Is that correct?

10 A. Yes.

11 Q. Thank you. And based on that claim information,  
12 I understand that you had many accounts with  
13 TelexFree. Do you remember approximately how many  
14 accounts you had?

15 A. No, I don't.

16 Q. In the ballpark, you know, of 10? More than  
17 10? What would you say?

18 A. I think it was definitely more than 10.

19 Q. More than 10. Okay. Thank you. So with those  
20 accounts, you understood that you could earn credits  
21 for activities like posting ads. Is that true?

22 A. Yes.

23 Q. And once you earned those credits, you could use  
24 those credits to either get cash or buy additional

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1 accounts. Is that true?

2 A. That is correct.

3 Q. Did you ever use those credits to buy an  
4 account?

5 A. I believe so.

6 Q. Did you ever use those credits to buy an account  
7 for anyone else?

8 A. I can't recall.

9 Q. Did anyone else use their credits to open an  
10 account for you?

11 A. Yes.

12 Q. Do you remember who that was?

13 A. My mother.

14 Q. What is your mother's name?

15 A. Faith Jael Gohar.

16 Q. Thank you. And when your mother opened those  
17 accounts for you, did you give her any payment for  
18 those accounts?

19 A. No.

20 Q. Did you consider those accounts a gift?

21 A. Yes.

22 Q. And did anyone else open accounts for you?

23 A. Not to my knowledge.

24 Q. And were you aware, just in general, other



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1 members of the TelexFree program, if they opened  
2 accounts for others with their credits?

3 A. No, I wasn't.

4 Q. You weren't aware of that? Okay.

5 A. No.

6 Q. And do you know about how much the accounts  
7 were -- sorry. Let me rephrase that. Do you know how  
8 much each account cost that your mother opened up for  
9 you?

10 A. No.

11 Q. And was your mother heavily involved in the  
12 TelexFree program?

13 A. Yes. That's who introduced me to it.

14 Q. Do you know if she brought other people in  
15 besides you?

16 A. I think so, yeah.

17 Q. When she brought other people in, do you know if  
18 she opened accounts for them with her credits?

19 A. I don't know how she did her part of it. I just  
20 know what she did for me.

21 Q. Okay. About how long were you a member of the  
22 TelexFree program?

23 A. That was so long ago. I want to say a few  
24 months, maybe half a year. I am not sure.

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1 Q. Do you know approximately when your first  
2 account was opened by your mother for you?

3 A. No, I don't. I mean, I would have to give an  
4 estimate. But accurately, no.

5 Q. Does something around May 2013 sound correct?

6 A. Yeah. Definitely under -- yeah, something like  
7 that.

8 Q. So you had an account from May of 2013, and then  
9 you continued with the program for approximately six  
10 months?

11 A. Mm-hmm. That sounds about right.

12 Q. Did you keep any records during that time of  
13 payments or money that you would have made related to  
14 the accounts in any way?

15 A. I think I was able to access it online at the  
16 time, but I didn't keep anything separately.

17 Q. By online, do you mean you had, like, an online  
18 wallet for TelexFree?

19 A. Yes. Like, I could go into the system and check  
20 what was, you know, the balance and stuff like that.

21 Q. Do you know if you have access to any of that  
22 anymore?

23 A. No.

24 Q. So besides your mother, were you personally

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1 aware of anyone else who was a TelexFree member?

2 A. No, not personally.

3 Q. Okay. I should rephrase that. Did you have  
4 contact with anyone, either in person or  
5 electronically, with anyone besides your mother who  
6 was a TelexFree member?

7 A. No.

8 Q. Okay. Do you know what your mother's email  
9 address is?

10 A. Yeah. Let me look it up. It is  
11 faithjaelgohar@gmail.com. So it's Faith, F-A-I-T-H,  
12 J-A-E-L, G-O-H-A-R.

13 Q. Thank you. And I think I asked you this  
14 already, but I just want to confirm. Do you know how  
15 much either a membership plan or a phone plan costs  
16 with TelexFree?

17 A. I don't remember that.

18 Q. Do you think you were aware at one time of how  
19 much it cost?

20 A. Yes, absolutely. It's just been too long.

21 Q. Okay. And when your mother opened the account  
22 for you and you considered it a gift, did you declare  
23 it on any taxes or anywhere like that?

24 A. I don't recall. I don't know. I would have to

Telexfree, LLC, et al. vs  
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1 take a look back on my taxes.

2 Q. Okay. Now, are you aware if your mother filed a  
3 claim, a separate claim from your own?

4 A. I do not know.

5 Q. And when you filed that claim for Telex, did you  
6 declare the amount that each account cost that your  
7 mother opened for you as a loss?

8 A. I don't know if I did or not.

9 Q. I am just going to try and show one thing to  
10 you. It's just your claim statement.

11 A. Okay.

12 Q. Let me try and share the screen. Are you able  
13 to see the document that I am showing to you?

14 A. Yes.

15 Q. I am just going to scroll through. I actually  
16 want to get to the last accounts. But these are all  
17 the accounts that you declared on the claim statement.

18 A. Okay.

19 Q. And then I want to just look at the last three.  
20 So I see here that you declared for account labeled  
21 82Ella that you lost \$1,474.90. Is that accurate?

22 A. Yes.

23 Q. Okay. And there's one here, Ella1982, and you  
24 also lost \$1,474.90. Is that accurate?

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1 A. Yes.

2 Q. Okay. And there's Ella82, and you lost  
3 \$1,075.10 is that accurate?

4 A. Yes.

5 Q. Sorry. What was that?

6 A. Yes.

7 Q. Okay. And are these the accounts that your  
8 mother opened for you initially when you joined  
9 TelexFree?

10 A. Yes, they are.

11 Q. Okay. And she opened those for you with her  
12 credits. Correct?

13 A. Yes. I mean, I am guessing that's how she  
14 opened them.

15 MS. PAPAS: Okay. I have no further  
16 questions. Let me stop sharing my screen.

17 (Exhibit 1, Claim Statement, marked for  
18 identification.)

19 EXAMINATION

20 BY MR. RONA:

21 Q. Good morning, Ms. Reid. My name is Ilyas Rona.  
22 I represent individuals against whom the trustee is  
23 bringing claims in connection with TelexFree. I just  
24 have a couple of questions for you to go back on some

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1 of the topics that were covered.

2 First, do you go by any other names besides Ella  
3 Reid?

4 A. Not currently.

5 Q. Okay. Did you have a prior name or use a name  
6 in the past that was different?

7 A. Just my maiden name, but not in the last  
8 10 years.

9 Q. What was your maiden name?

10 A. Presley. Ella Maria Presley.

11 Q. Did you get married -- do you remember what year  
12 you got married?

13 A. 2004.

14 Q. So when you were involved in TelexFree, your  
15 name was Ella Reid?

16 A. That's correct.

17 Q. Okay. Did you ever use any other names in  
18 connection with TelexFree?

19 A. No.

20 Q. Okay. Were you born in 1982?

21 A. Yes.

22 Q. Some of your accounts had in the login 82Ella or  
23 Ella82. Does that reflect your birth year?

24 A. Yes.

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1 Q. Is your mom -- was she born around 1960?

2 A. Yes, I believe so.

3 Q. Where does your mom -- your mom is alive.

4 Correct?

5 A. Yes.

6 Q. Where does she currently live?

7 A. In Germany.

8 Q. Okay. When she was involved in TelexFree, did  
9 she live in Germany?

10 A. Yes.

11 Q. Has she lived in Germany her whole life or has  
12 she moved around?

13 A. She has moved around.

14 Q. Do you know what brought her to Germany?

15 A. She was born in Germany.

16 Q. Okay. So at some point -- when you were -- did  
17 you grow up in the US?

18 A. Yes, and also in Germany.

19 Q. How many years did you live in Germany?

20 A. Eight years.

21 Q. Were you school age or were any of those eight  
22 years as an adult?

23 A. School age.

24 Q. Okay. Do you still have friends or contacts in

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1 Germany?

2 A. Yes, I do.

3 Q. Did any -- did you have any contact with any of  
4 your friends or anybody in Germany aside from your mom  
5 in connection with TelexFree?

6 A. No.

7 Q. To your knowledge, was your mom recruiting or  
8 attempting to recruit other people in Germany?

9 A. Yeah, I think so. But I don't know who she did  
10 recruit or -- but she was talking about it.

11 Q. Okay. And what town or city does your mom --  
12 did your mom live in in around 2013?

13 A. I think it was Bad Toelz.

14 Q. Is that B-A-D T-O-E-L-Z?

15 A. That's correct.

16 Q. Is that where you lived when you were in  
17 Germany?

18 A. No.

19 Q. Where did you live?

20 A. I lived in Miesbach.

21 Q. Could you spell that, please?

22 A. It's M-I-E-S-B-A-C-H.

23 Q. How many email addresses do you currently have  
24 or use?



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1 A. For use?

2 Q. Yes.

3 A. I have a personal email and a work email.

4 Q. Okay. What is your personal email?

5 A. It's ellareid, R-E-I-D, 82@gmail.com.

6 Q. Have you had any other personal emails in your  
7 adult life that you have used?

8 A. Yes, but I don't recall what they were.

9 Q. Do you not -- are there email addresses or  
10 accounts that you formerly used that you don't use  
11 anymore?

12 A. Like I said, I've had different emails but  
13 that's my main one. So I don't -- I only use the one  
14 that I stated.

15 Q. Did you ever have an MSN email?

16 A. I don't think so, but it's possible.

17 Q. Okay. And did you ever have access to or make  
18 use of your mom's email account, the one that you  
19 identified previously?

20 A. Like, what do you mean?

21 Q. Well, for example, do you have the -- do you  
22 know the password so that you can log in to that email  
23 account?

24 A. No.

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1 Q. Okay. Have you ever sent emails from that  
2 account?

3 A. No.

4 Q. When you were involved in TelexFree, did you,  
5 from time to time, have to enter an email address into  
6 the computer?

7 A. I don't remember.

8 Q. Do you know if some of your or any of your  
9 accounts list your mom's email address as the email  
10 address on the account?

11 A. That's possible, yes.

12 Q. Why is that possible?

13 A. Well, she has -- because she had signed me up  
14 for some of those accounts.

15 Q. Okay. So when she signed you up, where was she?  
16 Your mom, where was she?

17 A. Where was she?

18 Q. Yeah. Where was she physically located?

19 A. In Germany.

20 Q. And you were physically in North Carolina?

21 A. Mm-hmm.

22 Q. I apologize --

23 A. Yes.

24 Q. -- you have to say "yes" or "no." Okay. So

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1 yes, you were. Okay.

2 So is it fair to say, based on your prior  
3 answers, that she was the one that sat at a computer  
4 and typed in the necessary information to create your  
5 account?

6 A. Yes.

7 Q. Okay. So if she typed your name a certain way,  
8 that was a choice that she made. Is that right?

9 A. Well, yes.

10 Q. And if she put her email address instead of  
11 yours, that would have been a choice that she made  
12 also?

13 A. Yes.

14 Q. Okay. And I believe you said earlier that you  
15 did not pay your mom to open up those accounts. Is  
16 that right?

17 A. Can you repeat the question?

18 Q. I believe earlier you testified that you did not  
19 pay your mom to open up those accounts. Is that  
20 correct?

21 A. Yes. They were a gift.

22 Q. At any point, did you pay your mom money in  
23 connection with TelexFree?

24 A. No.

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1 Q. Okay. At any point, did you pay anybody else in  
2 connection with TelexFree?

3 A. No.

4 Q. At any point, did you ever collect money from  
5 somebody else in connection with TelexFree?

6 A. No.

7 Q. Did you ever directly deposit money into  
8 TelexFree, the corporate entity?

9 A. No. I don't -- well, I don't recall.

10 Q. Okay. Are you aware that there was a way that  
11 people could physically send money directly to the  
12 company?

13 A. Yes, of course.

14 Q. Did you ever withdraw money directly from  
15 TelexFree?

16 A. Not -- no, not in the six months that I was  
17 doing it.

18 Q. How much money did you lose in connection with  
19 TelexFree?

20 A. Like, money that was invested?

21 Q. Well, let's take -- let's talk about your -- the  
22 cash that you -- I presume you were working during the  
23 time that you were involved in TelexFree?

24 A. Yes.

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1 Q. And what were you doing for work at that time?

2 A. I am an educator.

3 Q. So how much money that you earned as an educator  
4 did you lose in connection with TelexFree?

5 A. I don't know.

6 Q. Do you have memory of ever taking cash or  
7 writing a check or in any way sending US currency to  
8 somebody else in connection with TelexFree?

9 A. I mean, just through my mother, but I don't --  
10 you know, it was a gift.

11 Q. Okay.

12 A. So --

13 Q. Is it your view that the money that you lost in  
14 connection with TelexFree was really the credits that  
15 you had earned inside the system?

16 A. Yes.

17 Q. Okay. So in your view, you did not actually  
18 suffer a cash loss. Is that correct? Apart from the  
19 TelexFree system, you did not part ways with cash that  
20 you never saw again. Is that correct?

21 A. Yes.

22 Q. Okay. Does your mom go by any other names?

23 A. She -- I don't know.

24 Q. Okay.

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1 A. Yeah.

2 Q. Does she have any nicknames that she uses or  
3 that other people use for her?

4 A. I don't think -- I don't know.

5 Q. She doesn't go by Ruth, does she?

6 A. I don't think so.

7 Q. Okay. I am going to just ask you a couple of --  
8 so I may have asked you this. Did you yourself  
9 recruit anybody into TelexFree?

10 A. I don't remember.

11 Q. Were you -- was your -- you were aware that  
12 there were different activities you could do in  
13 connection with TelexFree to try to earn either money  
14 or credits. Is that right?

15 A. Yes.

16 Q. So, for example, you could post ads. Do you  
17 remember that?

18 A. Mm-hmm. Yes.

19 Q. And you were aware that you could also recruit  
20 other people and get some form of commission or  
21 residual compensation from that?

22 A. That's -- yes, that sounds familiar.

23 Q. And then -- I am not sure. Do you remember any  
24 other ways you could get compensation in connection

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1 with TelexFree?

2 A. No.

3 Q. Well, you could sell phone plans. Right? Like,  
4 phone lines? You could actually sell phone lines?

5 A. Yes, and, like, phone cards or something.

6 Q. Do you recall selling any phone cards in  
7 connection with TelexFree?

8 A. I don't recall.

9 Q. Was your primary focus, then, to place ads and  
10 earn credits that way?

11 A. Yes.

12 Q. Okay.

13 A. It was simple.

14 Q. I'm sorry?

15 A. Yes.

16 Q. Okay. So is it fair to then presume or conclude  
17 from that that recruiting other people was not a  
18 primary focus of your involvement in TelexFree?

19 A. As far as I recall, yes.

20 Q. Do you recall making any efforts to try to  
21 recruit people into TelexFree?

22 A. I don't recall.

23 Q. Okay. For a fact, you don't know that you  
24 recruited any individual person. Is that right?

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1 A. Yeah, I don't recall.

2 Q. Just bear with me for a second here. Did you  
3 help your mother recruit any other people?

4 A. Did I help my mother? What does -- what would  
5 "help" be?

6 Q. Did you ever facilitate a conversation, host a  
7 meeting, recommend that someone reach out to her?  
8 Anything like that in order to help her recruit.

9 A. I don't remember doing that.

10 Q. Okay. And I take it, therefore, you didn't  
11 operate with your mother as some form of a team. Is  
12 that right?

13 A. I wouldn't say, like, actively, no.

14 Q. What would you -- I am not trying to put words  
15 in your mouth. How would you describe the  
16 relationship you had with your mom with respect to  
17 TelexFree?

18 A. We -- you know, she introduced me to TelexFree,  
19 showed me how to do the ads, and, you know, how to get  
20 credits that way.

21 Q. Okay.

22 A. So we just talked about that.

23 Q. But did you ever have conversations about  
24 strategy or how to increase your revenue or how to



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1 increase the rate at which you could earn credits?  
2 Did you have any strategic discussions along those  
3 lines?

4 A. No.

5 Q. Did you send your mom emails in connection with  
6 TelexFree? This is going to be a multi-part question,  
7 so let me first ask it that way. Did you send your  
8 mom emails in connection with TelexFree?

9 A. It's possible. I don't recall.

10 Q. Okay.

11 A. I would have to look.

12 Q. What do you recall, at that time -- we are  
13 talking about, probably, 2013, 2014. What was your  
14 primary mode of communication with your mother, given  
15 that you were -- there was an ocean between the two of  
16 you?

17 A. Primary, probably over the phone or possibly  
18 some emails as well, you know. I am sure I emailed  
19 her, but I don't know about the whole -- like, in  
20 connection with TelexFree. But I know we did talk on  
21 the phone.

22 Q. Do you still have the emails -- any emails that  
23 you sent or received in connection with TelexFree, do  
24 you still have those in your gmail account that you

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1 mentioned?

2 A. It's possible, if I didn't delete them.

3 Q. Have you ever gone back and looked? I  
4 apologize; what was that last part?

5 A. It's possible, if I didn't delete them. Yeah.

6 Q. Okay. Did you ever go back and check to see if  
7 you still had them in connection with submitting a  
8 claim?

9 A. I don't remember.

10 Q. On the subject of claim, do you remember  
11 actually, the process by which you submitted a proof  
12 of claim in this bankruptcy?

13 A. No, I don't remember.

14 Q. Do you remember sitting at a computer and being  
15 shown a number of accounts that may or may not have  
16 belonged to you?

17 A. Yes.

18 Q. Okay. And do you recall that you had to say  
19 that those were your accounts before you could see the  
20 dollar amount connected with them. Is that right?

21 A. I guess so, yeah.

22 Q. Do you recall making any changes to what the  
23 computer showed you after you entered in your  
24 information or in any way disagreeing with the

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1 information that was shown to you?

2 A. I don't remember that, no.

3 Q. And I take it you didn't put the dollar amounts  
4 in. Those were shown to you. Is that right?

5 A. Yes.

6 Q. Okay. So the \$8,000 figure that is the amount  
7 of your claim, that's an amount that was being  
8 presented to you; that's not an amount that you typed  
9 in yourself. Correct?

10 A. Yes, as far as -- yes, as I remember.

11 Q. I will just take a moment to check my notes, if  
12 you can just bear with me.

13 Did you receive an actual check or debit card  
14 from anyone in connection with your TelexFree claim?

15 A. I think I did, yes.

16 Q. Do you remember if it was one or two payments?

17 A. I don't remember how many payments it was.

18 Q. Okay. Did you deposit those funds into your  
19 bank account?

20 A. Yes.

21 Q. Do you recall, roughly speaking, what the amount  
22 was?

23 A. The \$8,000 that was stated earlier. That sounds  
24 right.

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1 Q. So your memory is you received about \$8,000 in  
2 cash from the bankruptcy?

3 A. Yes.

4 Q. Okay. So I apologize. Just one more moment. I  
5 think I may be done, but I just want to check my notes  
6 here. Oh, on occasion -- I promise this will probably  
7 be the last few questions.

8 From time to time, do you recall transferring  
9 credits either to your mother or from your mother to  
10 you?

11 A. I don't know. Like, it sounds possible, but I  
12 don't know.

13 Q. Okay. Do you ever remember discussing with your  
14 mom the need for more credits?

15 A. No.

16 Q. Your memory is you had a number of accounts. Is  
17 that right? Possibly more than 10?

18 A. Yes.

19 Q. And do you recall that, in order to open those  
20 accounts, you would have -- if they were -- to the  
21 extent that they were a family, whatever it was  
22 called, a family central plan, you would need \$1,425.  
23 Do you recall that figure?

24 A. That does sound familiar but not, like -- I

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1 can't recall 100 percent.

2 Q. Okay. But do you recall that for every account  
3 that you opened up, there was a certain amount that  
4 you would need to have available in credits to be able  
5 to open up that account?

6 A. Yes.

7 Q. And because you had a number of accounts,  
8 possibly more than 10, you would have needed available  
9 credits to open each one of those accounts. Do you  
10 recall that?

11 A. Yes.

12 Q. Did you ever recall just not having enough  
13 credits in the system to be able to open up the  
14 accounts that you wanted to? Do you recall that?

15 A. I don't recall.

16 Q. Do you recall asking your mom for credits at any  
17 time?

18 A. No.

19 Q. Do you know if -- to the extent that there were  
20 any credit transfers between you and your mom, did  
21 money ever change hands?

22 A. No.

23 Q. Do you know, is your memory that you never  
24 exchanged credits with your mom or is it that you just

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1 don't remember whether you did?

2 A. I don't remember. Yeah.

3 Q. Do you remember that, in the TelexFree website,  
4 when you logged in there were three main options on  
5 the screen, one of which was to transfer credits? Do  
6 you remember that?

7 A. I don't remember that, no.

8 Q. Do you remember any of the financial terms  
9 around credit transfers, meaning that there would be a  
10 small fee taken out? Do you remember that?

11 A. No.

12 Q. Do you recall transferring credits between your  
13 accounts so that you would have enough credits in any  
14 one account to conduct the necessary business?

15 A. That's possible, but I don't recall 100 percent.

16 Q. Okay. I apologize. I think I did not ask you  
17 this.

18 But did you ever transfer credits or receive  
19 credits from anybody other than -- apart from your  
20 mom, do you recall engaging in credit transfers with  
21 anybody else?

22 A. Not to my knowledge.

23 Q. Okay. When you submitted your claim, do you  
24 recall having to enter your mom's email address?

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1 A. Yes.

2 Q. Okay. And why did you -- how did you know that  
3 you had to enter your mom's email address?

4 A. I think because, like, that's how she started my  
5 original account, the ones that she gifted me.

6 Q. So did you have discussions with her when it was  
7 time to submit a claim? Do you recall having any  
8 discussions with her about the claims process?

9 A. Yeah, we definitely talked about it.

10 Q. What do you recall discussing with her?

11 A. Just that, you know, that there was the lawsuit  
12 or -- something about that she had gotten an email and  
13 that we, you know, needed to submit these claims so  
14 that we can, you know, get some -- like, something  
15 about, yeah. She just got the email from TelexFree on  
16 how to process -- to file the claims.

17 Q. And you were asked this before, I think, but do  
18 you know if she submitted or attempted to submit a  
19 claim?

20 A. I think she did, yeah.

21 Q. Do you know what happened to that claim?

22 A. I don't. I don't recall.

23 Q. In any event, you were able to retrieve the  
24 accounts that you thought belonged to you based on the

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1 information that you provided. Is that right?

2 A. Yes.

3 Q. And final question. Do you recall, on the  
4 subject of payment, that the amount that you received  
5 was less than the amount of your claim? Do you recall  
6 making that observation, that it was a lesser amount?

7 A. I don't recall.

8 MR. RONA: Okay. Okay. I think that's  
9 all the questions I have.

10 MS. PAPAS: I have no further questions.  
11 (Deposition concluded at 10:42 a.m.)

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1 ERRATA SHEET DISTRIBUTION INFORMATION  
2 DEPONENT'S ERRATA & SIGNATURE INSTRUCTIONS  
3  
4

5 ERRATA SHEET DISTRIBUTION INFORMATION  
6

7 The original of the Errata Sheet has been  
8 delivered to Alexandra M. Papas, Esquire.

9 When the Errata Sheet has been completed by  
10 the deponent and signed, a copy thereof should be  
11 delivered to each party of record and the ORIGINAL  
12 forwarded to Alexandra M. Papas, Esquire, to whom the  
13 original deposition transcript was delivered.  
14

15 INSTRUCTIONS TO DEPONENT  
16

17 After reading this volume of your deposition,  
18 please indicate any corrections or changes to your  
19 testimony and the reasons therefor on the Errata Sheet  
20 supplied to you and sign it. DO NOT make marks or  
21 notations on the transcript volume itself. Add  
22 additional sheets if necessary. Please refer to the  
23 above instructions for Errata Sheet distribution  
24 information.

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PLEASE ATTACH TO THE DEPOSITION OF WITNESS

CASE: NO. 14-40987-EDK

DATE TAKEN: February 22, 2023

ERRATA SHEET

Please refer to Page 32 for Errata Sheet instructions  
and distribution instructions.

PAGE	LINE	CHANGE	REASON

I have read the foregoing transcript of my  
deposition, and except for any corrections or changes  
noted above, I hereby subscribe to the transcript as  
an accurate record of the statements made by me.

Executed this \_\_\_\_ day of \_\_\_\_\_, 2023.

\_\_\_\_\_  
ELLA MARIA REID

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C E R T I F I C A T E

COMMONWEALTH OF MASSACHUSETTS  
HAMPSHIRE, SS.

I, Genevieve Y.J. Van de Merghel,  
Stenographer, hereby certify:

That ELLA MARIA REID, the witness whose  
testimony is hereinbefore set forth, was duly sworn by  
me, pursuant to Mass. R. Civ. P. 27, 29, 30, 30A, and  
31, and that such testimony is a true and accurate  
record of my stenotype notes taken in the foregoing  
matter, to the best of my knowledge, skill, and  
ability.

I further certify that I am not related to  
any parties to this action by blood or marriage; and  
that I am in no way interested in the outcome of this  
matter.

IN WITNESS HEREOF, I have hereunto set my  
hand this 27th day of February, 2023.



Genevieve Y.J. Van de Merghel  
My Commission Expires: 12/16/27

<hr/> <b>Exhibits</b> <hr/> <b>2023-02-</b> <b>22 Ella Maria Reid E</b> <b>xh1</b> 3:11 12:17 <hr/> \$ <hr/> <b>\$1,075.10</b> 12:3 <b>\$1,425</b> 27:22 <b>\$1,474.90</b> 11:21,24 <b>\$8,000</b> 26:6,23 27:1 <b>\$8,058.50</b> 6:6 <hr/> <b>1</b> <hr/> <b>1</b> 12:17 <b>10</b> 6:16,17,18,19 13:8 27:17 28:8 <b>100</b> 28:1 29:15 <b>10:42</b> 31:11 <b>14</b> 5:8 <b>144</b> 4:8 <b>1960</b> 14:1 <b>1982</b> 13:20 <hr/> <b>2</b> <hr/> <b>2004</b> 13:13 <b>2013</b> 9:5,8 15:12 24:13 <b>2014</b> 24:13 <hr/> <b>8</b> <hr/> <b>82@gmail.com</b> 16:5	<b>82ella</b> 11:21 13:22 <hr/> <b>A</b> <hr/> <b>a.m.</b> 31:11 <b>absolutely</b> 10:20 <b>access</b> 9:15,21 16:17 <b>account</b> 7:4,6,10 8:8 9:2,8 10:21 11:6,20 16:18, 23 17:2,10 18:5 24:24 26:19 28:2,5 29:14 30:5 <b>accounts</b> 6:12,14,20 7:1,17, 18,20,22 8:2,6,18 9:14 11:16,17 12:7 13:22 16:10 17:9,14 18:15,19 25:15,19 27:16,20 28:7,9,14 29:13 30:24 <b>accurate</b> 5:4,10 6:6 11:21,24 12:3 <b>accurately</b> 9:4 <b>actively</b> 23:13 <b>activities</b> 6:21 21:12 <b>actual</b> 26:13 <b>additional</b> 6:24 <b>address</b> 10:9 17:5,9,10 18:10 29:24 30:3 <b>addresses</b> 15:23 16:9 <b>ads</b> 6:21 21:16 22:9 23:19 <b>adult</b> 14:22 16:7 <b>age</b> 14:21,23 <b>agree</b> 4:3	<b>alive</b> 14:3 <b>amount</b> 5:22 6:1 11:6 25:20 26:6,7,8,21 28:3 31:4,5,6 <b>amounts</b> 26:3 <b>answers</b> 4:21 18:3 <b>anymore</b> 9:22 16:11 <b>apologize</b> 17:22 25:4 27:4 29:16 <b>appearing</b> 5:17 <b>approximately</b> 6:13 9:1,9 <b>assume</b> 4:17 <b>attempted</b> 30:18 <b>attempting</b> 15:8 <b>aware</b> 7:24 8:4 10:1,18 11:2 19:10 21:11,19 <hr/> <b>B</b> <hr/> <b>B-A-D</b> 15:14 <b>back</b> 11:1 12:24 25:3,6 <b>Bad</b> 15:13 <b>balance</b> 9:20 <b>ballpark</b> 6:16 <b>bank</b> 26:19 <b>bankruptcy</b> 25:12 27:2 <b>based</b> 6:11 18:2 30:24 <b>basic</b> 4:13 <b>bear</b> 23:2 26:12 <b>belonged</b>	25:16 30:24 <b>birth</b> 13:23 <b>born</b> 13:20 14:1,15 <b>bringing</b> 12:23 <b>brought</b> 8:14,17 14:14 <b>business</b> 29:14 <b>buy</b> 6:24 7:3,6 <hr/> <b>C</b> <hr/> <b>called</b> 27:22 <b>card</b> 26:13 <b>cards</b> 22:5,6 <b>Carolina</b> 4:7 17:20 <b>cash</b> 6:24 19:22 20:6,18, 19 27:2 <b>central</b> 27:22 <b>change</b> 28:21 <b>check</b> 5:14 9:19 20:7 25:6 26:11,13 27:5 <b>choice</b> 18:8,11 <b>city</b> 15:11 <b>claim</b> 5:22 6:2,6,8,11 11:3, 5,10,17 12:17 25:8, 10,12 26:7,14 29:23 30:7,19,21 31:5 <b>claims</b> 12:23 30:8,13,16 <b>collect</b> 19:4 <b>commission</b> 21:20 <b>communication</b> 24:14 <b>company</b>
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<hr/> <p style="text-align: center;"><b>N</b></p> <hr/> <p><b>names</b> 13:2,17 20:22</p> <p><b>needed</b> 28:8 30:13</p> <p><b>nicknames</b> 21:2</p> <p><b>nodding</b> 4:23</p> <p><b>North</b> 4:7 17:20</p> <p><b>notes</b> 26:11 27:5</p> <p><b>number</b> 25:15 27:16 28:7</p> <hr/> <p style="text-align: center;"><b>O</b></p> <hr/> <p><b>oath</b> 5:9</p> <p><b>observation</b> 31:6</p> <p><b>occasion</b> 27:6</p> <p><b>ocean</b> 24:15</p> <p><b>online</b> 9:15,17</p> <p><b>open</b> 7:9,22 18:15,19 27:19 28:5,9,13</p> <p><b>opened</b> 7:16 8:1,8,18 9:2 10:21 11:7 12:8,11, 14 28:3</p> <p><b>operate</b> 23:11</p> <p><b>opportunity</b> 5:2</p> <p><b>options</b> 29:4</p> <p><b>order</b> 4:8 23:8 27:19</p> <p><b>original</b> 30:5</p> <hr/> <p style="text-align: center;"><b>P</b></p> <hr/> <p><b>PAPAS</b> 4:11 12:15 31:10</p> <p><b>part</b></p>	<p>8:19 20:19 25:4</p> <p><b>password</b> 16:22</p> <p><b>past</b> 13:6</p> <p><b>pay</b> 18:15,19,22 19:1</p> <p><b>payment</b> 7:17 31:4</p> <p><b>payments</b> 9:13 26:16,17</p> <p><b>people</b> 8:14,17 15:8 19:11 21:3,20 22:17,21 23:3</p> <p><b>percent</b> 28:1 29:15</p> <p><b>person</b> 10:4 22:24</p> <p><b>personal</b> 16:3,4,6</p> <p><b>personally</b> 9:24 10:2</p> <p><b>phone</b> 10:15 22:3,4,5,6 24:17,21</p> <p><b>physically</b> 17:18,20 19:11</p> <p><b>place</b> 22:9</p> <p><b>plan</b> 10:15 27:22</p> <p><b>plans</b> 22:3</p> <p><b>point</b> 14:16 18:22 19:1,4</p> <p><b>possibly</b> 24:17 27:17 28:8</p> <p><b>post</b> 21:16</p> <p><b>posting</b> 6:21</p> <p><b>preliminaries</b> 5:13</p> <p><b>present</b> 4:3</p> <p><b>presented</b> 26:8</p> <p><b>Presley</b> 13:10</p> <p><b>presume</b> 19:22 22:16</p>	<p><b>previously</b> 16:19</p> <p><b>primary</b> 22:9,18 24:14,17</p> <p><b>prior</b> 13:5 18:2</p> <p><b>process</b> 25:11 30:8,16</p> <p><b>production</b> 4:6</p> <p><b>program</b> 5:20 8:1,12,22 9:9</p> <p><b>promise</b> 27:6</p> <p><b>proof</b> 25:11</p> <p><b>provided</b> 31:1</p> <p><b>Pursuant</b> 4:8</p> <p><b>put</b> 18:10 23:14 26:3</p> <hr/> <p style="text-align: center;"><b>Q</b></p> <hr/> <p><b>question</b> 4:17,18 18:17 24:6 31:3</p> <p><b>questions</b> 4:15 12:16,24 27:7 31:9,10</p> <hr/> <p style="text-align: center;"><b>R</b></p> <hr/> <p><b>R-E-I-D</b> 16:5</p> <p><b>rate</b> 24:1</p> <p><b>reach</b> 23:7</p> <p><b>recall</b> 7:8 10:24 16:8 19:9 22:6,8,19,20,22 23:1 24:9,12 25:18,22 26:21 27:8,19,23 28:1,2,10,12,14,15, 16 29:12,15,20,24 30:7,10,22 31:3,5,7</p> <p><b>receive</b> 5:9 26:13 29:18</p> <p><b>received</b> 24:23 27:1 31:4</p>	<p><b>recommend</b> 23:7</p> <p><b>records</b> 6:5 9:12</p> <p><b>recruit</b> 15:8,10 21:9,19 22:21 23:3,8</p> <p><b>recruited</b> 22:24</p> <p><b>recruiting</b> 15:7 22:17</p> <p><b>reflect</b> 13:23</p> <p><b>Reid</b> 4:5 12:21 13:3,15</p> <p><b>related</b> 9:13</p> <p><b>relationship</b> 23:16</p> <p><b>remember</b> 6:1,13 7:12 10:17 13:11 17:7 21:10,17, 23 23:9 25:9,10,13, 14 26:2,10,16,17 27:13 29:1,2,3,6,7,8, 10</p> <p><b>remotely</b> 4:3</p> <p><b>repeat</b> 18:17</p> <p><b>rephrase</b> 8:7 10:3</p> <p><b>reporter</b> 4:22 5:7</p> <p><b>represent</b> 12:22</p> <p><b>residual</b> 21:21</p> <p><b>respect</b> 23:16</p> <p><b>retrieve</b> 30:23</p> <p><b>return</b> 5:10</p> <p><b>revenue</b> 23:24</p> <p><b>review</b> 5:2,3,9</p> <p><b>Rona</b> 12:20,21 31:8</p> <p><b>room</b> 5:14</p>
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# Exhibit S.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_e quity	total_martin_ net_equity	total_freer_n et_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datan asc	registration date	ssn_id	rep_end	rep_nu mero	rep_cep	city	state_ code	country code
2	660115	Evelyn P Rodriguez	660115	660115	\$ (2,175.68)	\$ (9,284.78)	\$ (12,414.28)	lopesasvs@ gmail.com	6176504691	6176504691	lopesapaola		12/21/12		94 broadway	0	2145	somerville	ma	US
3	1959108	Evelyn Paola Rodriguez	660115	1959108	\$ (1,455.00)	\$ (1,704.50)	\$ (12,414.28)	lopesasvs@ gmail.com	6176504691	6176504691	lopesapaola 1		2/13/13		94 broadway	0	2145	Somerville	MA	US
4	2308220	Jonathan A Lopez	634613	634613	\$ (1,185.90)	\$ 29,069.00	\$ 29,069.00	lopesaservic es@gmail.c om	6179138423	6179138423	lopesalynn01		2/22/13		5 Oak St		1810	Andover	MA	US
5	2422870	Jonathan A Lopez	634613	634613	\$ (1,036.20)	\$ 29,069.00	\$ 29,069.00	lopesaservic es@gmail.c om	6179138423	6179138423	lopesalynn02		2/25/13		5 Oak St		1810	Andover	MA	US
6	2587474	Jonathan A Lopez	634613	634613	\$ (1,495.00)	\$ 29,069.00	\$ 29,069.00	lopesaservic es@gmail.c om	6179138423	6179138423	lopesalynn04		2/28/13		5 Oak St		1810	Andover	MA	US
7	2588354	Jonathan A Lopez	634613	634613	\$ (1,395.10)	\$ 29,069.00	\$ 29,069.00	lopesaservic es@gmail.c om	6179138423	6179138423	lopesalynn05		2/28/13		5 Oak St		1810	Andover	MA	US
8	2588548	Jonathan A Lopez	634613	634613	\$ (1,425.00)	\$ 29,069.00	\$ 29,069.00	lopesaservic es@gmail.c om	6179138423	6179138423	lopesalynn06		2/28/13		5 Oak St		1810	Andover	MA	US
9	3447228	Jonathan Lopez	634613	634613	\$ (49.90)	\$ 29,069.00	\$ 29,069.00	lopesaservic es@gmail.c om	6179138423	6179138423	lopesalynnpl an		3/19/13		5 Oak St		1810	Andover	MA	US
10	4788614	Jonathan Lopez	634613	634613	\$ (99.80)	\$ 29,069.00	\$ 29,069.00	lopesaservic es@gmail.c om	6179138423	6179138423	lopesalynns		4/22/13		5 Oak St		1810	Andover	MA	US
11	4887242	Ivan A Lopez	4887242	659867	\$ (99.80)	\$ (10,388.70)	\$ (99.80)	lopesasvs@ gmail.com	9782898350	9782898350	llopesamari ne		4/23/13		94 broadway		2145	Somerville	MA	US
12	6496504	Jonathan Lopez	634613	634613	\$ (399.20)	\$ 29,069.00	\$ 29,069.00	lopesaservic es@gmail.c om	6179138423	6179138423	lopesalynn03 s		5/16/13		5 Oak St		1810	Andover	MA	US
13	6506820	Jonathan A Lopez	634613	634613	\$ (1,495.00)	\$ 29,069.00	\$ 29,069.00	lopesaservic es@gmail.c om	6179138423	6179138423	sophylopez	5/15/89	5/16/13		5 Oak St		1810	Andover		US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_e quity	total_martin_ net_equity	total_freer_n et_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datan asc	registration date	ssn_id	rep_end	rep_nu mero	rep_cep	city	state_ code	country code
14	6608304	Jonathan Lopez	634613	634613	\$ (399.20)	\$ 29,069.00	\$ 29,069.00	lopesaservic es@gmail.c om	6179138423	6179138423	lopesalynn2s 1		5/18/13		5 Oak St		1810	Andover	MA	US
15	10456513	Miry A Lopez	10456513	660097	\$ (499.00)	\$ (4,756.10)	\$ (598.80)	lopesasvs@ gmail.com	6175292052	6175292052	1lopesamiry		7/12/13		94 broadway		2145	Somerville	MA	US
16	10456575	Evelyn P Rodriguez	660115	660115	\$ (499.00)	\$ (9,284.78)	\$ (12,414.28)	lopesasvs@ gmail.com	7169553015	7169553015	1lopesapaol a		7/12/13		94 broadway		2145	Somerville	MA	US
17	10456669	Miry A Lopez	10456513	660097	\$ (99.80)	\$ (4,756.10)	\$ (598.80)	lopesasvs@ gmail.com	6175292052	6175292052	2lopesamiry 1		7/12/13		94 broadway		2145	Somerville	MA	US
18	10504297	Sindy Aguillon	7747996	7747996	\$ (249.50)	\$ (4,424.70)	\$ (4,424.70)	lopesasvs@ gmail.com	8572492573	8572492573	1esteleferico		7/18/13		80 Hudson St	1	2145	Somerville	ma	US
19	10504327	Sindy Aguillon	7747996	7747996	\$ (49.90)	\$ (4,424.70)	\$ (4,424.70)	lopesasvs@ gmail.com	8572492573	8572492573	2esteleferico		7/18/13		80 Hudson St	1	2145	somerville	ma	US
20	10504343	Sindy Aguillon	7747996	7747996	\$ (49.90)	\$ (4,424.70)	\$ (4,424.70)	lopesasvs@ gmail.com	8572492573	8572492573	3esteleferico		7/18/13		80 Hudson St		2145	somerville	ma	US
21	10504353	Sindy Aguillon	7747996	7747996	\$ (49.90)	\$ (4,424.70)	\$ (4,424.70)	lopesasvs@ gmail.com	8572492573	8572492573	4esteleferico		7/18/13		80 Hudson St		2145	somerville	ma	US
22	10504367	Sindy Aguillon	7747996	7747996	\$ (49.90)	\$ (4,424.70)	\$ (4,424.70)	lopesasvs@ gmail.com	8572492573	8572492573	5esteleferico		7/18/13		80 Hudson St		2145	somerville	ma	US
23	10546221	Jonathan Lopez	634613	634613	\$ (199.60)	\$ 29,069.00	\$ 29,069.00	lopesaservic es@gmail.c om	6179138423	6179138423	lopesalynns1		7/23/13		5 Oak St		1810	Andover	MA	US
24	10792133	Amoldar Lv≥pez	10792133	10792133	\$ (49.90)	\$ (49.90)	\$ (49.90)	Lopesasvs@ gmail.com	6177776781	6177776781	4telexlopesa 12		8/18/13		94 broadway		2145	Somerville	MV°	US
25	11510113	Jonathan Lopez	634613	634613	\$ (299.40)	\$ 29,069.00	\$ 29,069.00	lopesaservic es@gmail.c om	6179138423	617913823	lopesalynn12 s		10/9/13		5 Oak St		1810	Andover	MA	US
26	11510247	Jonathan Lopez	634613	634613	\$ (1,325.20)	\$ 29,069.00	\$ 29,069.00	lopesaservic es@gmail.c om	6179138423	6179138423	mesolo1		10/9/13		5 Oak St		1810	Andover	MA	US
27	11510343	Jonathan Lopez	634613	634613	\$ (1,325.20)	\$ 29,069.00	\$ 29,069.00	lopesaservic es@gmail.c om	6179138423	6179138423	mesolo2		10/9/13		5 Oak St		1810	Andover	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_e quity	total_martin_ net_equity	total_freer_n et_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datan asc	registration date	ssn_id	rep_end	rep_nu mero	rep_cep	city	state_ code	country code
28	11510381	Jonathan Lopez	634613	634613	\$ (1,425.00)	\$ 29,069.00	\$ 29,069.00	lopesaservic es@gmail.c om	6179138423	6179138523	mesolo3		10/9/13		5 Oak St		1810	Andover	MA	US
29	11525557	Jonathan Lopez	634613	634613	\$ (1,425.00)	\$ 29,069.00	\$ 29,069.00	lopesaservic es@gmail.c om	6179138423	6179138423	mesolo4		10/10/13		5 Oak St		1810	Andover	MA	US
30	11526665	Jonathan Lopez	634613	634613	\$ (1,275.30)	\$ 29,069.00	\$ 29,069.00	lopesaservic es@gmail.c om	6179138423	6179138423	mesolo5		10/10/13		5 Oak St		1810	Andover	MA	US
31	12436513	luisa e lopez	662499	662499	\$ (1,325.20)	\$ 843,008.00	\$ 843,207.60	lopesaservic es@hotmail .com	6178893335	6178893335	extranjero7		11/20/13		5 Oak St		1810	Andover	MA	US
32	13802765	A A	13802765	13802765	\$ (49.90)	\$ (49.90)	\$ (99.80)	lopesasvs@ gmail.com	6	6	3telexlopesa 142		1/2/14		.		2145	Somerville	MA	US
33	13802815	A A	13802815	13802815	\$ (49.90)	\$ (49.90)	\$ (99.80)	lopesasvs@ gmail.com	6	6	4telexlopesa 142		1/2/14		.		2145	Somerville	MA	US
34	13802857	A A	13802857	13802857	\$ (49.90)	\$ (49.90)	\$ (49.90)	lopesasvs@ gmail.com	6	6	5telexlopesa 142		1/2/14		.		2145	Somerville	MA	US
35	13803213	A A	13803213	13803213	\$ (49.90)	\$ (49.90)	\$ (49.90)	lopesasvs@ gmail.com	6	6	1telexlopesa 143		1/2/14		.		2145	Somerville	MA	US
36	13824301	A A	13824301	13824301	\$ (49.90)	\$ (49.90)	\$ (49.90)	lopesasvs@ gmail.com	6	6	2telexlopesa 143		1/3/14		.		2145	Somerville	MA	US
37	13843159	A A	13802765	13843159	\$ (49.90)	\$ (49.90)	\$ (99.80)	lopesasvs@ gmail.com	6	6	3telexlopesa 143		1/3/14		.		2145	Somerville	MA	US
38	13844309	A A	13802815	13844309	\$ (49.90)	\$ (49.90)	\$ (99.80)	lopesasvs@ gmail.com	6	6	4telexlopesa 143		1/3/14		.		2145	Somerville	MA	US
39	13861771	A A	13861771	13861771	\$ (49.90)	\$ (49.90)	\$ (49.90)	lopesasvs@ gmail.com	6	6	1telexlopesa 144		1/4/14		.	0	2145	Somerville	MA	US
40	13861789	A A	13861789	13861789	\$ (49.90)	\$ (49.90)	\$ (49.90)	lopesasvs@ gmail.com	6	6	2telexlopesa 144		1/4/14		.	0	2145	Somerville	MA	US
41	13861813	A A	13861813	13861813	\$ (49.90)	\$ (49.90)	\$ (49.90)	lopesasvs@ gmail.com	6	6	3telexlopesa 144		1/4/14		.	0	2145	Somerville	MA	US
42	13861831	A A	13861831	13861831	\$ (49.90)	\$ (49.90)	\$ (49.90)	lopesasvs@ gmail.com	6	6	4telexlopesa 144		1/4/14		.	0	2145	Somerville	MA	US
43	13861853	A A	13861853	13861853	\$ (49.90)	\$ (49.90)	\$ (49.90)	lopesasvs@ gmail.com	6	6	5telexlopesa 144		1/4/14		.	0	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_e quity	total_martin_ net_equity	total_freer_n et_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datan asc	registration date	ssn_id	rep_end	rep_nu mero	rep_cep	city	state_ code	country code
44	19185233	amilcar lopez	19185233	593987	\$ (49.90)	#####	\$ (99.80)	lopesasvs@ gmail.com	617	617	telexchapins 4		3/15/14		94 broadway		2145	somerville	MN	US
45	19185507	amilcar lopez	19185233	593987	\$ (49.90)	#####	\$ (99.80)	lopesasvs@ gmail.com	617	617	telexchapins 5		3/15/14		lopesasvs@ gmail.com		2145	somerville	MD	US
46	19192487	al lopez	19192487	19192487	\$ (49.90)	\$ (199.60)	\$ (99.80)	lopesasvs@ gmail.com	61	61	telexchapins 7		3/15/14		94 broadway		2145	somerville	MA	US
47	19193673	amilcar lopez	19192487	593987	\$ (49.90)	#####	\$ (99.80)	lopesasvs@ gmail.com	61	61	telexchapins 9		3/15/14		94 broadway		2145	somerville	MA	US
48	19194663	al lopez	19194663	19192487	\$ (49.90)	\$ (199.60)	\$ (49.90)	lopesasvs@ gmail.com	6177	6177	telexchapin1 0		3/15/14		94 broadway		2145	somerville	MN	US
49	19197285	al lopez	19197285	19192487	\$ (49.90)	\$ (199.60)	\$ (99.80)	lopesasvs@ gmail.com	6178	6178	telexchapins 3		3/15/14		94 broadway		2145	somerville	MA	US
50	19197625	al lo	19197285	19197625	\$ (49.90)	\$ (798.40)	\$ (99.80)	lopesasvs@ gmail.com	6178	6178	telexchapins 8		3/15/14		94 broadway		2145	somerville	MA	US
51	19207503	a l	19207503	19207503	\$ (49.90)	\$ (49.90)	\$ (49.90)	lopesasvs@ gmail.com	telexchapin1	telexchapin1	telexchapin1 s1		3/15/14		94 broadway		2145	somerville	MA	US
52	19221171	al lopez	19221171	19192487	\$ (49.90)	\$ (199.60)	\$ (49.90)	lopesasvs@ gmail.com	telexchapin1	telexchapin1	telexchapin1 s2		3/15/14		94 broadway		2145	somerville	MA	US
53	19221423	al lo	19221423	19197625	\$ (49.90)	\$ (798.40)	\$ (748.50)	lopesasvs@ gmail.com	telexchapin1	telexchapin1	telexchapin1 s3		3/15/14		94 broadway		2145	somerville	MA	US
54	19307899	al lo	19221423	19197625	\$ (49.90)	\$ (798.40)	\$ (748.50)	lopesasvs@ gmail.com	telexchapin1	telexchapin1	telexchapin1 s4		3/15/14		94 broadway		2145	somerville	MA	US
55	19308437	al lo	19308437	19197625	\$ (49.90)	\$ (798.40)	\$ (49.90)	lopesasvs@ gmail.com	telexchapin1	telexchapin1	telexchapin1 s5		3/15/14		94 broadwy		23145	somerville	MA	US
56	19308781	al lo	19221423	19197625	\$ (49.90)	\$ (798.40)	\$ (748.50)	lopesasvs@ gmail.com	telexchapin1	telexchapin1	telexchapin1 s6		3/15/14		94 broadway		2145	somerville	MA	US
57	19309625	al lo	19221423	19197625	\$ (49.90)	\$ (798.40)	\$ (748.50)	lopesasvs@ gmail.com	telexchapin1	telexchapin1	telexchapin1 s7		3/15/14		94 broadway		2145	somerville	MA	US
58	19309907	al lo	19221423	19197625	\$ (49.90)	\$ (798.40)	\$ (748.50)	lopesasvs@ gmail.com	telexchapin1	telexchapin1	telexchapin1 s8		3/15/14		94 broadway		2145	somerville	MA	US
59	19310231	al lo	19221423	19197625	\$ (49.90)	\$ (798.40)	\$ (748.50)	lopesasvs@ gmail.com	telexchapin1	telexchapin1	telexchapin1 s9		3/15/14		94 broadway		2145	somerville	MA	US
60	19310505	al lo	19221423	19197625	\$ (49.90)	\$ (798.40)	\$ (748.50)	lopesasvs@ gmail.com	telexchapin1	telexchapin1	telexchapin1 s10		3/15/14		94 broadway		2145	somerville	MA	US
61	19312521	al lo	19221423	19197625	\$ (49.90)	\$ (798.40)	\$ (748.50)	lopesasvs@ gmail.com	telexchapin2	telexchapin2	telexchapin2 s1		3/15/14		94 broadway		2145	somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_e quity	total_martin_ net_equity	total_freer_n et_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datan asc	registration date	ssn_id	rep_end	rep_nu mero	rep_cep	city	state_ code	country code
62	19313103	al lop	19313103	19313103	\$ (49.90)	\$ (49.90)	\$ (49.90)	lopesasvs@ gmail.com	telexchapin2	telexchapin2	telexchapin2 s3		3/15/14		94 broadway		2145	somerville	MA	US
63	19313397	al lo	19221423	19313397	\$ (49.90)	\$ (49.90)	\$ (748.50)	lopesasvs@ gmailc.om	telexchapin2	telexchapin2	telexchapin2 s4		3/15/14		94 broadway		2145	somerville	MA	US
64	19313673	al lo	19221423	19197625	\$ (49.90)	\$ (798.40)	\$ (748.50)	lopesasvs@ gmail.com	telexchapin2	telexchapin2	telexchapin2 s5		3/15/14		94 broadway		2145	somerville	MA	US
65	19313951	al lo	19221423	19197625	\$ (49.90)	\$ (798.40)	\$ (748.50)	lopesasvs@ gmail.com	telexchapin2	telexchapin2	telexchapin2 s6		3/15/14		94 broadway		2145	somerville	MA	US
66	19314249	al lo	19221423	19197625	\$ (49.90)	\$ (798.40)	\$ (748.50)	lopesasvs@ gmail.com	telexchapin2	telexchapin2	telexchapin2 s7		3/15/14		94 broadway		2145	somerville	MA	US
67	19314661	al lo	19221423	19197625	\$ (49.90)	\$ (798.40)	\$ (748.50)	lopesasvs@ gmail.com	telexchapin2	telexchapin2	telexchapin2 s8		3/15/14		94 browaday		2145	somerville	MA	US
68	19314939	al lo	19221423	19197625	\$ (49.90)	\$ (798.40)	\$ (748.50)	lopesasvs@ gmail.com	telexchapin2	telexchapin2	telexchapin2 s9		3/15/14		94 browaday		2145	somerville	MA	US
69	19315255	al lo	19221423	19197625	\$ (49.90)	\$ (798.40)	\$ (748.50)	lopesasvs@ gmail.com	telexchapin2	telexchapin2	telexchapin2 s10		3/15/14		94 broadway		2145	somerville	MA	US
70	19319745	al al	19319745	19319745	\$ (49.90)	\$ (49.90)	\$ (49.90)	lopesasvs@ gmail.com	telexchapin2	telexchapin2	telexchapin2 s2		3/15/14		94 browaway		2145	somerville	MA	US

# Exhibit T.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
2	2522900	Benjamin Argueta	2522900	2522900	\$ 2,272,040.80	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	mayasol	12/1/76	2/27/13		14 Illinois Ave	1	2145	Somerville		US
3	2525676	Benjamin Argueta	2522900	2522900	\$ 224,541.90	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	mayasol1	12/1/76	2/27/13		14 Illinois Ave	1	2145	Somerville	MA	US
4	2526614	Benjamin Argueta	2522900	2522900	\$ 98,295.20	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	mayasol2	12/1/76	2/27/13		14 Illinois Ave	1	2145	Somerville	MA	US
5	2530654	Benjamin Argueta	2522900	2522900	\$ (77.70)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	gauchao1	12/1/76	2/27/13		14 Illinois Ave	1	2145	Somerville	MA	US
6	2613420	Benjamin Argueta	2522900	2522900	\$ 12,947.00	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	jonathana	12/1/76	2/28/13		14 Illinois Ave	1	2145	Somerville	MA	US
7	4307846	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	1mayasol		4/11/13		14 Illinois Ave	1	2145	Somerville	MA	US
8	4309814	Benjamin Argueta	2522900	2522900	\$ 2,223.40	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	jonathana1	1/12/76	4/12/13		14 Illinois Ave	1	2145	Somerville	MA	US
9	4310356	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	1jonathana		4/12/13		14 Illinois Ave	1	2145	Somerville	MA	US
10	4697084	Mariana Avelar	4697084	4697084	\$ (99.80)	\$ (99.80)	\$ (5,899.60)	benjamin_gauchao@yahoo.com	8573891413	8573891413	8573891413		4/19/13		104 Broadway	0	2145	Somerville	MA	US
11	4698050	Anderson Zambon	4698050	4698050	\$ (99.80)	\$ (149.70)	\$ (199.60)	benjamin_gauchao@yahoo.com	8572064099	8572064099	8572064099		4/19/13		104 Broadway	0	2145	Somerville	MA	US
12	4698828	luis morales	4698828	4698828	\$ (49.90)	\$ (49.90)	\$ (122,516.30)	benjamin_gauchao@yahoo.com	6179095980	6179095980	6179095980		4/19/13		104 Broadway	0	2145	Somerville	MA	US
13	4699472	Jonathan Argueta	4699472	4699472	\$ (49.90)	\$ (49.90)	\$ (49.90)	benjamin_gauchao@yahoo.com	8572059391	8572059391	8572059391		4/19/13		104 Broadway	0	2145	Somerville	MA	US
14	4738586	Rodolfo Mendez	4738586	4738586	\$ (49.90)	\$ (49.90)	\$ (49.90)	benjamin_gauchao@yahoo.com	7812670959	7812670959	7812670959		4/20/13		104 Broadway	0	2145	Somerville	MA	US



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
15	4748082	Rosa lina castro	4748082	4748082	\$ (199.60)	\$ (1,425.00)	\$ 178,512.93	benjamin_gauchao@yahoo.com	7813508942	7813508942	7813508942		4/21/13		104 broadway	0	2145	Somerville	MA	US
16	4749006	conchi argueta	4749006	4749006	\$ (49.90)	\$ (21,040.10)	\$ (3,792.40)	benjamin_gauchao@yahoo.com	8573331035	8573331035	conchi		4/21/13		104 broadway	0	2145	Somerville	MA	US
17	4794046	manuel Calles	4794046	4794046	\$ (99.80)	\$ (99.80)	\$ (149.70)	benjamin_gauchao@yahoo.com	8576154502	8576154502	8576154502		4/22/13		104 Broadway	0	2145	Somerville	MA	US
18	4827432	Ana Guevara	4827432	4827432	\$ (99.80)	\$ (249.50)	\$ (249.50)	benjamin_gauchao@yahoo.com	8572513568	8572513568	8572513568		4/22/13		104 broadway	0	2145	Somerville	MA	US
19	4827614	Cesar Perez	4827614	4827614	\$ (49.90)	\$ (49.90)	\$ (49.90)	benjamin_gauchao@yahoo.com	8572660561	8572660561	8572660561		4/22/13		104 Broadway	0	2145	Somerville	MA	US
20	4827890	Griselda Menjivar	4827890	4827890	\$ (99.80)	\$ (99.80)	\$ (99.80)	benjamin_gauchao@yahoo.com	8572493672	8572493672	8572493672		4/22/13		104 Broadway	0	2145	Somerville	MA	US
21	4828194	Roxy Melara	4828194	4828194	\$ (49.90)	\$ (49.90)	\$ (49.90)	benjamin_gauchao@yahoo.com	7815028369	7815028369	7815028369		4/22/13		104 Brooadway	0	2145	Somerville	MA	US
22	4828372	Hector Martinez	4828372	4828372	\$ (49.90)	\$ (49.90)	\$ (49.90)	benjamin_gauchao@yahoo.com	8573127349	8573127349	8573127349		4/22/13		104 Broadway	0	2145	Somerville	MA	US
23	4868378	Dina Morataya	4868378	4868378	\$ (49.90)	\$ (99.80)	\$ (99.80)	benjamin_gauchao@gauchao.com	8572511098	8572511098	8572511098		4/23/13		104 Broadway	0	2145	Somerville	MA	US
24	4868674	Marta Matamoros	4868674	4868674	\$ (49.90)	\$ (99.80)	\$ (99.80)	benjamin_gauchao@yahoo.com	9736538370	9736538370	9736538370		4/23/13		104 Broadway	0	2145	Somerville	MA	US
25	4883244	Sandra Casiano	4883244	4883244	\$ (99.80)	\$ (99.80)	\$ (99.80)	benjamin_gauchao@yahoo.com	7812197263	7812197263	7812197263		4/23/13		104 broadway	0	2145	Somerville	MA	US
26	4883474	Marcelo Oliveira	4883474	4883474	\$ (99.80)	\$ (99.80)	\$ (99.80)	benjamin_gauchao@yahoo.com	6179590384	6179590384	6179590384		4/23/13		104 Broadway	0	2145	Somerville	MA	US
27	4895644	Bernave Mendes	4895644	4895644	\$ (49.90)	\$ (49.90)	\$ (49.90)	benjamin_gauchao@yahoo.com	8572494105	8572494105	8572494105		4/23/13		104 Broadway	0	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
28	4896048	francis valdez	4896048	4896048	\$ (99.80)	\$ (99.80)	\$ (99.80)	benjamin_gauchao@yahoo.com	6176826239	6176826239	6176826239		4/23/13		104 broadway	0	2145	somerville	ma	US
29	4897634	JUAN LARA	4897634	4897634	\$ (49.90)	\$ (9,276.40)	\$ (9,525.90)	benjamin_gauchao@yahoo.com	3396748963	3396748963	3396748963		4/23/13		28 CARTER ST	33967	2149	EVERETT	MA	US
30	4910052	paula Teixeira	4910052	4910052	\$ (99.80)	\$ (99.80)	\$ (99.80)	benjamin_gauchao@yahoo.com	6172850865	6172850865	6172850865		4/24/13		104 broadway	0	2145	Somerville	MA	US
31	4910890	Ailton Clemente	4910890	4910890	\$ (99.80)	\$ (99.80)	\$ (99.80)	benjamin_gauchao@yahoo.com	8572668816	8572668816	8572668816		4/24/13		104 broadway	0	2145	Somerville	MA	US
32	4911842	Artur Moscema	4911842	4911842	\$ (99.80)	\$ (99.80)	\$ (99.80)	benjamin_gauchao@yahoo.com	8574173299	8574173299	8574173299		4/24/13		104 Broadway	0	2145	Somerville	MA	US
33	4978476	Benjamin Argueta	2522900	2522900	\$ 13,645.60	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	mayasol3	12/1/76	4/25/13		14 Illinois ave	1	2145	Somerville	MA	US
34	4979912	Benjamin Argueta	2522900	2522900	\$ 57,466.30	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	mayasol5	12/1/76	4/25/13		14 Illinois Ave	1	2145	Somerville	MA	US
35	4982440	Vilma Garcia	4982440	4982440	\$ (49.90)	\$ (49.90)	\$ (99.80)	benjamin_gauchao@yahoo.com	8572513705	8572513705	8572513705		4/25/13		104 Broadway	0	2145	Somerville	MA	US
36	4983232	Benjamin Argueta	2522900	2522900	\$ (77.70)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	mayasol6	12/1/76	4/25/13		14 Illinois Ave	1	2145	Somerville	MA	US
37	4983770	Benjamin Argueta	2522900	2522900	\$ (177.50)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	mayasol7	12/1/76	4/25/13		14 Illinois Ave	1	2145	Somerville	MA	US
38	4984078	Benjamin Argueta	2522900	2522900	\$ (127.60)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	mayasol8	12/1/76	4/25/13		14 Illinois Ave	1	2145	Somerville	MA	US
39	4984260	Benjamin Argueta	2522900	2522900	\$ 171.80	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	mayasol9	12/1/76	4/25/13		14 Illinois Ave	1	2145	Somerville	MA	US
40	4984390	Benjamin Argueta	2522900	2522900	\$ 577,796.70	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	mayasol10	12/1/76	4/25/13		14 Illinois Ave	1	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
41	4988534	Benjamin Argueta	2522900	2522900	\$ (237.10)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	jonathana2	12/1/76	4/25/13		14 Illinois Ave		2145	Somerville	Ma	US
42	4990208	Benjamin Argueta	2522900	2522900	\$ (287.00)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	jonathana3	12/1/76	4/25/13		14 Illinois Ave		2145	Somerville	MA	US
43	4990392	Benjamin Argueta	2522900	2522900	\$ (427.00)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	jonathana4	12/1/76	4/25/13		14 Illinois Ave		2145	Somerville	MA	US
44	4990582	Benjamin Argueta	2522900	2522900	\$ (1,025.80)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	jonathana5	12/1/76	4/25/13		14 Illinois Ave		214	Somerville	MA	US
45	4990814	Benjamin Argueta	2522900	2522900	\$ (526.80)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	jonathana6	12/1/76	4/25/13		14 Illinois Ave		2145	Somerville	MA	US
46	4990984	Benjamin Argueta	2522900	2522900	\$ (526.80)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	jonathana7	12/1/76	4/25/13		14 Illinois Ave		2145	Somerville	MA	US
47	4991268	Benjamin Argueta	2522900	2522900	\$ (526.80)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	jonathana8	12/1/76	4/25/13		14 Illinois Ave		2145	Somerville	MA	US
48	4991510	Benjamin Argueta	2522900	2522900	\$ (427.00)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	jonathana9	12/1/76	4/25/13		14 Illinois Ave		2145	Somerville		US
49	4998680	Harold Escobar	4998680	4998680	\$ (49.90)	\$ (49.90)	\$ (49.90)	benjamin_gauchao@yahoo.com	6177807065	6177807065	6177807065		4/25/13		104 Broadway		2145	Somerville	Ma	US
50	5018326	juan Henrique	5018326	5018326	\$ (49.90)	\$ (49.90)	\$ (49.90)	benjamin_gauchao@yahoo.com	3392989410	3392989410	3392989410		4/25/13		104 Broadway	0	2145	Somerville	MA	US
51	5018502	Arturo Mendez	5018502	5018502	\$ (49.90)	\$ (49.90)	\$ (49.90)	benjamin_gauchao@yahoo.com	6174126543	6174126543	6174126543		4/25/13		104 brodney	0	2145	Somerville	MA	US
52	5018696	Juan Mendez	5018696	5018696	\$ (49.90)	\$ (49.90)	\$ (49.90)	benjamin_gauchao@yahoo.com	8574173032	8574173032	8574173032		4/25/13		104 Broadway	0	2145	Somerville	MA	US
53	5018890	Fredy Mendez	5018890	5018890	\$ (49.90)	\$ (49.90)	\$ (49.90)	benjamin_gauchao@yahoo.com	7813538285	7813538285	7813538285		4/25/13		104 Broadway	0	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
54	5019364	Asuncion Hernandez	5019364	5019364	\$ (49.90)	\$ (49.90)	\$ (49.90)	benjamin_gauchao@yahoo.com	8578913111	8578913111	8578913111		4/25/13		104 Broadway	0	2145	Somerville	MA	US
55	5039420	Edwin Marroquin	5039420	5039420	\$ (49.90)	\$ (22,747.00)	\$ (37,701.30)	benjamin_gauchao@yahoo.com	8572229662	8572229662	8572229662		4/26/13		104 Broasway		2145	Somerville	MA	US
56	5056214	Benjamin Argueta	2522900	2522900	\$ (127.60)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	mayasol11	12/1/76	4/26/13		14 Illinois ave	1	2145	somerville	MA	US
57	5058432	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	5mayasol1		4/26/13		104 Broadway	1	2145	Somerville	MA	US
58	5058976	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	5mayasol2		4/26/13		104 Broadway		2145	Somerville	MA	US
59	5059188	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	5mayasol3		4/26/13		104 Broadway	1	2145	Somerville	MA	US
60	5059340	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	5mayasol4		4/26/13		104 Broadway	1	2145	Somerville	MA	US
61	5059476	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	5mayasol5		4/26/13		104 Broadway	1	2145	Somerville	MA	US
62	5063222	Jose Lemus	5063222	5063222	\$ (49.90)	\$ (49.90)	\$ (49.90)	telexfreeben@gmail.com	8572511173	8572511173	8572511173		4/26/13		104 Broadway	1	2145	Somerville	MA	US
63	5063294	Maria Lemus	5063294	5063294	\$ (49.90)	\$ (4,225.10)	\$ (4,225.10)	telexfreeben@gmail.com	6176426133	6176426133	6176426133		4/26/13		104 Broadway	1	2145	Somerville	MA	US
64	5063438	Alba Fuentes	5063438	5063438	\$ (49.90)	\$ (49.90)	\$ (49.90)	telexfreeben@gmail.com	8572226736	8572226736	8572226736		4/26/13		104 Broadway	1	2145	Somerville	MA	US
65	5065108	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	6mayasol1		4/26/13		104 Broadway	1	2145	Somerville	MA	US
66	5065938	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	6mayasol2		4/26/13		104 Broadway	1	2145	Somerville	MA	US
67	5066516	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	6mayasol3		4/26/13		104 Broadway	1	2145	Somerville	MA	US
68	5066564	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	6mayasol4		4/26/13		104 Broadway	1	2145	Somerville	MA	US
69	5066618	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	6mayasol5		4/26/13		104 Broadway	1	2145	Somerville	MA	US
70	5070376	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	7mayasol1		4/26/13		104 Broadway	1	2145	Somerville	MA	US
71	5070460	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	7mayasol2		4/26/13		104 broadway	1	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
72	5070508	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	7mayasol3		4/26/13		104 broadway	1	2145	Somerville	MA	US
73	5070556	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	7mayasol4		4/26/13		104 broadway	1	2145	somerville	MA	US
74	5070590	benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	7mayasol5		4/26/13		104 broadway	1	2145	Somerville	MA	US
75	5070702	Patricia Sanchez	5070702	5070702	\$ (49.90)	\$ (49.90)	\$ (49.90)	telexfreeben@gmail.com	8572254148	8572254148	8572254148		4/26/13		104 broadway	1	2145	somerville	MA	US
76	5071498	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	8mayasol1		4/26/13		104 broadway	1	2145	Somerville	MA	US
77	5071528	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	8mayasol2		4/26/13		104 broadway	1	2145	somerville	MA	US
78	5071594	benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	8mayasol3		4/26/13		104 broadway	1	2145	somerville	MA	US
79	5071644	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	8mayasol4		4/26/13		104 broadway	1	2145	Somerville	MA	US
80	5071674	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	8mayasol5		4/26/13		104 broadway	1	2145	somerville	MA	US
81	5073424	Marta matamoros	4868674	4868674	\$ (49.90)	\$ (99.80)	\$ (99.80)	benjamin_gauchao@yahoo.com	19736538370	19736538370	19736538370		4/26/13		104 Broadway	0	2145	Somerville	MA	US
82	5074286	Mayra Rodriguez	5074286	5074286	\$ (49.90)	\$ (149.70)	\$ (1,746.50)	telexfreeben@gmail.com	5163016176	5163016176	5163016176		4/26/13		104 broadway	1	2145	Somerville	MA	US
83	5076832	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	9mayasol1		4/26/13		104 broadway	1	2145	Somerville	MA	US
84	5076882	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	9mayasol2		4/26/13		104 broadway	1	2145	somerville	MA	US
85	5076972	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	9mayasol3		4/26/13		104 broadway	1	2145	somerville	MA	US
86	5077008	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	9mayasol4		4/26/13		104 broadway	1	2145	somerville	MA	US
87	5077058	benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	9mayasol5		4/26/13		104 broadway	1	2145	somerville	MA	US
88	5078872	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	11mayasol1		4/26/13		104 broadway	1	2145	Somerville	MA	US
89	5078912	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	11mayasol2		4/26/13		104 broadway	1	2145	somerville	MA	US
90	5078978	benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	11mayasol3		4/26/13		104 Broadway	1	2145	somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_nu_mero	rep_cep	city	state_code	country_code
91	5079026	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	11mayasol4		4/26/13		104 Broadway	1	2145	Somerville	MA	US
92	5079082	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	11mayasol5		4/26/13		104 Broadway	1	2145	Somerville	MA	US
93	5080004	Benjamin Argueta	2522900	2522900	\$ 9,859.20	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	mayasol12	12/1/76	4/26/13		14 Illinois Ave	1	2145	Somerville	MA	US
94	5080222	Benjamin Argueta	2522900	2522900	\$ 512,038.60	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	mayasol13	12/1/76	4/26/13		14 Illinois Ave	1	2145	Somerville		US
95	5080544	Benjamin Argueta	2522900	2522900	\$ (926.00)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	mayasol14	11/1/76	4/26/13		104 Broadway	1	2145	Somerville	MA	US
96	5081168	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	12mayasol1		4/26/13		104 Broadway	1	2145	Somerville	MA	US
97	5081202	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	12mayasol2		4/26/13		104 Broadway	1	2145	Somerville	MA	US
98	5081272	benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	12mayasol3		4/26/13		104 Broadway	1	2145	Somerville	MA	US
99	5081320	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	12mayasol4		4/26/13		104 Broadway	1	2145	Somerville	MA	US
100	5081370	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	12mayasol5		4/26/13		104 Broadway	1	2145	somerville	MA	US
101	5082238	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	10mayasol1		4/26/13		104 Broadway	1	2145	Somerville	MA	US
102	5082270	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	10mayasol2		4/26/13		104 Broadway	1	2145	somerville	MA	US
103	5082312	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	10mayasol3		4/26/13		104 Broadway	1	2145	Somerville	MA	US
104	5082352	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	10mayasol4		4/26/13		104 Broadway	1	2145	Somerville	MA	US
105	5082386	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	10mayasol5		4/26/13		104 Broadway	1	2145	somerville	MA	US
106	5119078	Jose Valerio	5119078	5119078	\$ (49.90)	\$ (49.90)	\$ (49.90)	benjamin_gauchao@yahoo.com	3477760574	3477760574	3477760574		4/27/13		104 Broadway	0	2145	Somerville	MA	US
107	5166630	Rina Ardon	5166630	5166630	\$ (49.90)	\$ (49.90)	\$ (99.80)	benjamin_gauchao@yahoo.com	6172308705	6172308705	6172308705		4/28/13		104 Broadway	0	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
108	5198116	Gilma A	5198116	5198116	\$ (49.90)	\$ (49.90)	\$ (49.90)	benjamin_gauchao@yahoo.com	7815846203	7815846203	7815846203		4/29/13		104 Broadway	0	2145	Somerville	MA	US
109	5202550	Benjamin Argueta	2522900	2522900	\$ 4,923.70	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	mayasol15	12/1/76	4/29/13		61 Shore Drive	1	2145	Somerville	MA	US
110	5204068	Benjamin Argueta	2522900	2522900	\$ 52,347.90	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	mayasol16	12/1/76	4/29/13		14 Illinois ave	1	2145	Somerville	MA	US
111	5232976	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1jonathana1		4/29/13		104 Broadway	1	2145	Somerville	MA	US
112	5233022	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1jonathana2		4/29/13		104 Broadway	1	2145	somerville	MA	US
113	5233266	benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1jonathana3		4/29/13		104 Broadway	1	2145	Somerville	MA	US
114	5233342	benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1jonathana4		4/29/13		104 Broadway	1	2145	somerville	MA	US
115	5233388	benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1jonathana5		4/29/13		104 broadway	1	2145	somerville	MA	US
116	5233850	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	9315580	9315580	2jonathana1		4/29/13		104 broadway	1	2145	somerville	MA	US
117	5233920	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	9315580	9315580	2jonathana2		4/29/13		104 broadway	1	2145	somerville	MA	US
118	5234002	benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	9315580	9315580	2jonathana3		4/29/13		104 broadway	1	2145	Somerville	MA	US
119	5234174	benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	9315580	9315580	2jonathana4		4/29/13		104 broadway	1	2145	somerville	MA	US
120	5234442	benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	2jonathana5		4/29/13		104 broadway	1	2145	Somerville	MA	US
121	5235608	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	3jonathana1		4/29/13		104 broadway	1	2145	somerville	MA	US
122	5235718	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	3jonathana2		4/29/13		104 broadway	1	2145	Somerville	MA	US
123	5235780	benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	3jonathana3		4/29/13		104 broadway	1	2145	Somerville	MA	US
124	5235862	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	3jonathana4		4/29/13		104 broadway	1	2145	Somerville	MA	US
125	5235880	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	9jonathana1		4/29/13		104 Broadway	0	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
126	5235918	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	3jonathana5		4/29/13		104 broadway	1	2145	Somerville	MA	US
127	5236030	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	9jonathana2		4/29/13		104 Broadway		2145	Somerville	MA	US
128	5236126	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	9jonathana3		4/29/13		104 Broadway		2145	Somerville	MA	US
129	5236230	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	9jonathana4		4/29/13		104 Broadway		2145	Somerville	MA	US
130	5236336	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	9jonathana5		4/29/13		104 Broadway		2145	Somerville	MA	US
131	5236388	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	4jonathana1		4/29/13		104 broadway	1	2145	somerville	MA	US
132	5236502	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	4jonathana2		4/29/13		104 broadway	1	2145	Somerville	MA	US
133	5236568	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	4jonathana3		4/29/13		104 broadway	1	2145	somerville	MA	US
134	5236622	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	4jonathana4		4/29/13		104 broadway	1	2145	Somerville	MA	US
135	5236674	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	4jonathana5		4/29/13		104 broadway	1	2145	somerville	MA	US
136	5237068	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	9319860	9319860	5jonathana1		4/29/13		104 broadway	1	2145	Somerville	MA	US
137	5237120	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	9319860	9319860	5jonathana2		4/29/13		104 broadway	1	2145	somerville	MA	US
138	5237158	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	8jonathana1		4/29/13		104 Broadway		2145	Somerville	MA	US
139	5237180	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	9319860	9319860	5jonathana3		4/29/13		104 broadway	1	2145	Somerville	MA	US
140	5237234	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	8jonathana2		4/29/13		104 Broadway		2145	Somerville	MA	US
141	5237292	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	9319860	9319860	5jonathana4		4/29/13		104 broadway	1	2145	Somerville	MA	US
142	5237334	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	8jonathana3		4/29/13		104 Broadway		2145	Somerville	MA	US
143	5237350	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	5jonathana5		4/29/13		104 broadway	1	2145	Somerville	MA	US
144	5237408	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	8jonathana4		4/29/13		104 Broadway		2145	Somerville	MA	US
145	5237480	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	8jonathana5		4/29/13		104 Broadway		2145	Somerville	MA	US



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
146	5237768	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	6jonathana1		4/29/13		104 broadway	1	2145	Somerville	MA	US
147	5237800	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	6jonathana2		4/29/13		104 broadway	1	2145	somerville	MA	US
148	5237860	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	6jonathana3		4/29/13		104 broadway	1	2145	somerville	MA	US
149	5237914	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	7jonathana1		4/29/13		104 Broadway		2145	Somerville	MA	US
150	5237964	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	6jonathana4		4/29/13		104 broadway	1	2145	somerville	MA	US
151	5238074	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	6jonathana5		4/29/13		104 broadway	1	2145	Somerville	MA	US
152	5238098	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	7jonathana2		4/29/13		104 Broadway		2145	Somerville	MA	US
153	5238186	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	7jonathana3		4/29/13		104 Broadway		2145	Somerville	MA	US
154	5238250	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	7jonathana4		4/29/13		104 Broadway		2145	Somerville	MA	US
155	5238320	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	7jonathana5		4/29/13		104 Broadway		2145	Somerville	MA	US
156	5682638	Jose Ochoa	5682638	5682638	\$ (49.90)	\$ (49.90)	\$ (299.40)	telexfreeben@gmail.com	5164064879	5164064879	5164064879		5/6/13		104 Broadway		2145	Somerville	MA	US
157	5790254	Dina Morataya	4868378	4868378	\$ (49.90)	\$ (99.80)	\$ (99.80)	telexfreeben@gmail.com	8572511098	8572511098	85725110981		5/7/13		104		2145	Somerville	MA	US
158	5792678	Gonzalo Perez	4897980	4897980	\$ (49.90)	\$ (149.70)	\$ (149.70)	telexfreeben@gmail.com	6178883056	6178883056	6178883056		5/7/13		104 Broadway		2145	Somerville	MA	US
159	5794662	Hernan Perez	5794662	5794662	\$ (49.90)	\$ (49.90)	\$ (49.90)	telexfreeben@gmail.com	6178883056	6178883056	61788830561		5/7/13		104	0	2145	Somerville	MA	US
160	5795726	Anderson Zambon	4698050	4698050	\$ (49.90)	\$ (149.70)	\$ (199.60)	telexfreeben@gmail.com	8572064099	8572064099	85720640991		5/7/13		104	0	2145	Somerville	MA	US
161	5924600	Reina Perez	5924600	5924600	\$ (49.90)	\$ (49.90)	\$ (49.90)	telexfreeben@gmail.com	8576155972	8576155972	8576155972		5/9/13		104 Broadway	0	2145	Somerville	MA	US
162	5932240	Jaime Barahona	5932240	5932240	\$ (49.90)	\$ (49.90)	\$ (49.90)	telexfreeben@gmail.com	7814261157	7814261157	7814261157		5/9/13		104 Broadway	0	2145	Somerville	MA	US
163	5938190	Benjamin Argueta	2522900	2522900	\$ 2,123.60	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	sheilan	12/1/76	5/9/13		14 Illinois Ave	1	2145	Somerville	MA	US
164	5939488	Benjamin Argueta	2522900	2522900	\$ (676.50)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	sheilan1	12/1/76	5/9/13		14 Illinois Ave	1	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
165	5941996	Benjamin Argueta	2522900	2522900	\$ 5,899.60	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	sheilan3	12/1/76	5/9/13		14 Illinois Ave	1	2145	Somerville	MA	US
166	5948820	Benjamin Argueta	2522900	2522900	\$ (1,325.20)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	sheilan4	12/1/76	5/9/13		14 Illinois Ave	1	2145	Somerville	MA	US
167	5949354	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	sheilan5	12/1/76	5/9/13		14 Illinois Ave	1	2145	Somerville	MA	US
168	5949712	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	sheilan6	12/1/76	5/9/13		14 Illinois Ave	1	2145	Somerville	MA	US
169	5950068	Benjamin Argueta	2522900	2522900	\$ (1,325.20)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	sheilan7	12/1/76	5/9/13		14 Illinois Ave	1	2145	Somerville	MA	US
170	6067202	Concepcion Argueta	6067202	4749006	\$ 10,119.00	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	8573331035	8573331035	conchy	12/28/79	5/11/13		14 Illinois Ave	1	2145	Somerville		US
171	6106260	Gilma Vargas	6106260	6106260	\$ (49.90)	\$ (49.90)	\$ (49.90)	telexfreeben@yahoo.com	6178493820	6178493820	6178493820		5/12/13		104	0	2145	Somerville	MA	US
172	6137520	Gonzalo Perez	4897980	4897980	\$ (49.90)	\$ (149.70)	\$ (149.70)	telexfreeben@gmail.com	6172869885	6172869885	6172869885		5/12/13		104 Broadway	0	2145	Somerville	MA	US
173	6195576	Concepcion Argueta	6067202	4749006	\$ 15,619.40	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	8573331035	8573331035	conchy1	12/28/79	5/13/13		14 Illinois Ave	1	2145	Somerville	MA	US
174	6197328	Concepcion Argueta	6067202	4749006	\$ 221.70	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	8573331035	8573331035	conchy2	12/28/79	5/13/13		14 Illinois Ave	1	2145	Somerville	MA	US
175	6199422	Concepcion Argueta	6067202	4749006	\$ (149.70)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	8573331035	8573331035	85733310351		5/13/13		14 Illinois Ave	1	2145	Somerville	MA	US
176	6541962	ADELMO DE OLIVEIRA SOUSA	6541962	6541962	\$ (49.90)	\$ (49.90)	\$ (49.90)	telexfreeben@yahoo.com	8572949743	8572949743	8572949743		5/17/13		104	0	2145	somerville	ma	US
177	6548164	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	sheilan8	12/1/76	5/17/13		14 Illinois Ave	1	2145	Somerville	MA	US
178	6701826	Benjamin Argueta	2522900	2522900	\$ (1,025.80)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	sheilan9	12/1/76	5/19/13		14 Illinois Ave	1	2145	Somerville	MA	US
179	6702626	Benjamin Argueta	2522900	2522900	\$ 399.20	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	sheilan10	12/1/76	5/19/13		14 Illinois Ave	1	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
180	6708676	Benjamin Argueta	2522900	2522900	\$ 13,573.50	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	mincho	12/1/76	5/19/13		14 Illinois Ave	1	2145	Somerville	MA	US
181	6723824	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan0		5/19/13		14 illinois ave		2145	somerville	ma	US
182	6724026	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan01		5/19/13		14 illinois ave		2145	somerville	ma	US
183	6724166	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan02		5/19/13		14 illinois ave		2145	somerville	ma	US
184	6724328	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan03		5/19/13		14 illinois ave		2145	somerville	ma	US
185	6724474	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan04		5/19/13		14 illinois ave		2145	somerville	ma	US
186	6724816	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan11		5/19/13		14 illinois ave		2145	somerville	ma	US
187	6724990	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan12		5/19/13		14 illinois ave		2145	somerville	ma	US
188	6725244	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan13		5/19/13		14 illinois ave		2145	somerville	ma	US
189	6725338	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan14		5/19/13		14 illinois ave		2145	somerville	ma	US
190	6725448	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan05		5/19/13		14 illinois ave		2145	somerville	ma	US
191	6725710	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan31		5/19/13		14 illinois ave		2145	somerville	ma	US
192	6725854	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan32		5/19/13		14 illinois ave		2145	somerville	ma	US
193	6725990	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan33		5/19/13		14 illinois ave		2145	somerville	ma	US
194	6726126	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan34		5/19/13		14 illinois ave		2145	somerville	ma	US
195	6726226	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan35		5/19/13		14 illinois ave		2145	somerville	ma	US
196	6726418	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan41		5/19/13		14 illinois ave		2145	somerville	ma	US
197	6726512	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan42		5/19/13		14 illinois ave		2145	somerville	ma	US
198	6726626	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan43		5/19/13		14 illinois ave		2145	somerville	ma	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
199	6726756	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan44		5/19/13		14 illinois ave		2145	somerville	ma	US
200	6726848	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan45		5/19/13		14 illinois ave		2145	somerville	ma	US
201	6727058	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan51		5/19/13		14 illinois ave		2145	somerville	ma	US
202	6727178	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan52		5/19/13		14 illinois ave		2145	somerville	ma	US
203	6727288	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan53		5/19/13		14 illinois ave		2145	somerville	ma	US
204	6727334	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan54		5/19/13		14 illinois ave		2145	somerville	ma	US
205	6727446	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan55		5/19/13		14 illinois ave		2145	somerville	ma	US
206	6727750	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan61		5/19/13		14 illinois ave		2145	somerville	ma	US
207	6727876	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan62		5/19/13		14 illinois ave		2145	somerville	ma	US
208	6728056	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan63		5/19/13		14 illinois ave		2145	somerville	ma	US
209	6728182	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan64		5/19/13		14 illinois ave		2145	somerville	ma	US
210	6728270	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan65		5/19/13		14 illinois ave		2145	somerville	ma	US
211	6728402	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan71		5/19/13		14 illinois ave		2145	somerville	ma	US
212	6728490	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan72		5/19/13		14 illinois ave		2145	somerville	ma	US
213	6728744	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan73		5/19/13		14 illinois ave		2145	somerville	ma	US
214	6728938	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan74		5/19/13		14 illinois ave		2145	somerville	ny	US
215	6729124	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan75		5/19/13		14 illinois ave		2145	somerville	ma	US
216	6729432	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan81		5/19/13		14 illinois ave		2145	somerville	ma	US
217	6729584	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan82		5/19/13		14 illinois ave		2145	somerville	ma	US
218	6729714	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan83		5/19/13		14 illinois ave		2145	somerville	ma	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
219	6729846	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan84		5/19/13		14 illinois ave		2145	somerville	ma	US
220	6729952	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan85		5/19/13		14 illinois ave		2145	somerville	ma	US
221	6730218	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan91		5/19/13		14 illinois ave		2145	somerville	ma	US
222	6730384	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan92		5/19/13		14 illinois ave		2145	somerville	ma	US
223	6730606	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan93		5/19/13		14 illinois ave		2145	somerville	ma	US
224	6730694	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan94		5/19/13		14 illinois ave		2145	somerville	ny	US
225	6730784	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan95		5/19/13		14 illinois ave		2145	somerville	ma	US
226	6734432	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan101		5/19/13		14 illinois ave		2145	somerville	ma	US
227	6734534	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan102		5/19/13		14 illinois ave		2145	somerville	ma	US
228	6734632	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan103		5/19/13		14 illinois ave		2145	somerville	ma	US
229	6734734	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan104		5/19/13		14 illinois ave		2145	somerville	ma	US
230	6734826	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan105		5/19/13		14 illinois ave		2145	somerville	ma	US
231	6736226	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan15		5/19/13		14 illinois ave		2145	somerville	ma	US
232	6807998	Manuel Calles	4794046	6807998	\$ (49.90)	\$ (49.90)	\$ (149.70)	telexfreeben@gmail.com	8576155021	8576154502	85761545021		5/20/13		14 illinois ave		2145	somerville	ma	US
233	6808312	Deisy Morataya	6808312	6808312	\$ (49.90)	\$ (49.90)	\$ (18,624.80)	telexfreeben@gmail.com	6174121326	6174121326	6174121326		5/20/13		14 illinois ave		2145	somerville	ma	US
234	6954872	Benjamin Argueta	2522900	2522900	\$ 3,349.00	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	kuikui	12/1/76	5/21/13		14 Illinois Ave	1	2145	Somerville	MA	US
235	6971482	Luis Morales	4698828	4742108	\$ (49.90)	\$ (113,431.90)	\$ (122,516.30)	lmor77733@aol.com	6173086202	6173086202	6luis2		5/22/13		104 Broadway		2145	Somerville	MA	US
236	6971616	Luis Morales	4698828	4742108	\$ (49.90)	\$ (113,431.90)	\$ (122,516.30)	lmor77733@aol.com	6173086202	6173086202	6luis3		5/22/13		104 Broadway		2145	Somerville	MA	US
237	6971628	Luis Morales	4698828	4742108	\$ (49.90)	\$ (113,431.90)	\$ (122,516.30)	lmor77733@aol.com	6173086202	6173086202	6luis4		5/22/13		104 Broadway		2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
238	6971640	Luis Morales	4698828	4742108	\$ (49.90)	\$ (113,431.90)	\$ (122,516.30)	lmor77733@aol.com	6173086202	6173086202	6luis5		5/22/13		104 Broadway		2145	Somerville	MA	US
239	6971832	Luis Morales	4698828	4742108	\$ (49.90)	\$ (113,431.90)	\$ (122,516.30)	lmor77733@aol.com	6173086202	6173086202	7luis1		5/22/13		104 Broadway		2145	Somerville	MA	US
240	6971842	Luis Morales	4698828	4742108	\$ (49.90)	\$ (113,431.90)	\$ (122,516.30)	lmor77733@aol.com	6173086202	6173086202	7luis2		5/22/13		104 Broadway		2145	Somerville	MA	US
241	6971850	Luis Morales	4698828	4742108	\$ (49.90)	\$ (113,431.90)	\$ (122,516.30)	lmor77733@aol.com	6173086202	6173086202	7luis3		5/22/13		104 Broadway		2145	Somerville	MA	US
242	6971864	Luis Morales	4698828	4742108	\$ (49.90)	\$ (113,431.90)	\$ (122,516.30)	lmor77733@aol.com	6173086202	6173086202	7luis4		5/22/13		104 Broadway		2145	Somerville	MA	US
243	6971878	Luis Morales	4698828	4742108	\$ (49.90)	\$ (113,431.90)	\$ (122,516.30)	lmor77733@aol.com	6173086202	6173086202	7luis5		5/22/13		104 Broadway		2145	Somerville	MA	US
244	6971990	Luis Morales	4698828	4742108	\$ (49.90)	\$ (113,431.90)	\$ (122,516.30)	lmor77733@aol.com	6173086202	6173086202	8luis1		5/22/13		104 Broadway		2145	Somerville	MA	US
245	6972008	Luis Morales	4698828	4742108	\$ (49.90)	\$ (113,431.90)	\$ (122,516.30)	lmor77733@aol.com	6173086202	6173086202	8luis2		5/22/13		104 Broadway		2145	somerville	MA	US
246	6972020	Luis Morales	4698828	4742108	\$ (49.90)	\$ (113,431.90)	\$ (122,516.30)	lmor77733@aol.com	6173086202	6173086202	8luis3		5/22/13		104 Broadway		2145	Somerville	MA	US
247	6972040	Luis Morales	4698828	4742108	\$ (49.90)	\$ (113,431.90)	\$ (122,516.30)	lmor77733@aol.com	6173086202	6173086202	8luis4		5/22/13		104 Broadway		2145	somerville	MA	US
248	6972054	Luis Morales	4698828	4742108	\$ (49.90)	\$ (113,431.90)	\$ (122,516.30)	lmor77733@aol.com	6173086202	6173086202	8luis5		5/22/13		104 Broadway		2145	Somerville	MA	US
249	6972266	Luis Morales	4698828	4742108	\$ (49.90)	\$ (113,431.90)	\$ (122,516.30)	lmor77733@aol.com	6173086202	6173086202	9luis1		5/22/13		104 Broadway		2145	Somerville	MA	US
250	6972290	Luis Morales	4698828	4742108	\$ (49.90)	\$ (113,431.90)	\$ (122,516.30)	lmor77733@aol.com	6173086202	6173086202	9luis2		5/22/13		104 Broadway		2145	Somerville	MA	US
251	6972306	Luis Morales	4698828	4742108	\$ (49.90)	\$ (113,431.90)	\$ (122,516.30)	lmor77733@aol.com	6173086202	6173086202	9luis3		5/22/13		104 Broadway		2145	Somerville	MA	US
252	6972320	Luis Morales	4698828	4742108	\$ (49.90)	\$ (113,431.90)	\$ (122,516.30)	lmor77733@aol.com	6173086202	6173086202	9luis4		5/22/13		104 Broadway		2145	Somerville	MA	US
253	6972334	Luis Morales	4698828	4742108	\$ (49.90)	\$ (113,431.90)	\$ (122,516.30)	lmor77733@aol.com	6173086202	6173086202	9luis5		5/22/13		104 Broadway		2145	Somerville	MA	US
254	6972462	Luis Morales	4698828	4742108	\$ (49.90)	\$ (113,431.90)	\$ (122,516.30)	lmor77733@aol.com	6173086202	6173086202	10luis1		5/22/13		104 Broadway		2145	Somerville	MA	US
255	6972480	Luis Morales	4698828	4742108	\$ (49.90)	\$ (113,431.90)	\$ (122,516.30)	lmor77733@aol.com	6173086202	6173086202	10luis2		5/22/13		104 Broadway		2145	Somerville	MA	US
256	6972492	Luis Morales	4698828	4742108	\$ (49.90)	\$ (113,431.90)	\$ (122,516.30)	lmor77733@aol.com	6173086202	6173086202	10luis3		5/22/13		104 Broadway		2145	Somerville	MA	US
257	6972506	Luis Morales	4698828	4742108	\$ (49.90)	\$ (113,431.90)	\$ (122,516.30)	lmor77733@aol.com	6173086202	6173086202	10luis4		5/22/13		104 Broadway		2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
258	6972514	Luis Morales	4698828	4742108	\$ (49.90)	\$ (113,431.90)	\$ (122,516.30)	lmor77733@aol.com	6173086202	6173086202	10luis5		5/22/13		104 Broadway		2145	Somerville	MA	US
259	6972646	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	kuikui1	12/1/76	5/22/13		14 Illinois Ave		2145	Somerville	MA	US
260	6972668	Benjamin Argueta	2522900	2522900	\$ (1,125.60)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	kuikui2	12/1/76	5/22/13		14 Illinois Ave		2145	Somerville	MA	US
261	6972676	Benjamin Argueta	2522900	2522900	\$ (1,325.20)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	kuikui3	12/1/76	5/22/13		14 Illinois Ave		2145	Somerville	MA	US
262	6972688	Benjamin Argueta	2522900	2522900	\$ (1,325.20)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	kuikui4	12/1/76	5/22/13		14 Illinois Ave		2145	somerville	MA	US
263	6972706	Benjamin Argueta	2522900	2522900	\$ (1,325.20)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	kuikui5	12/1/76	5/22/13		14 Illinois Ave		2145	Somerville	MA	US
264	6972716	Benjamin Argueta	2522900	2522900	\$ (1,325.20)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	kuikui6	12/1/76	5/22/13		14 Illinois Ave		2145	Somerville	MA	US
265	6972728	Benjamin Argueta	2522900	2522900	\$ (1,025.80)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	kuikui7	12/1/76	5/22/13		14 Illinois Ave		2145	Somerville	MA	US
266	6972736	Benjamin Argueta	2522900	2522900	\$ 6,029.20	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	kuikui8	12/1/76	5/22/13		14 Illinois Ave		2145	Somerville	MA	US
267	6972748	Benjamin Argueta	2522900	2522900	\$ (996.00)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	kuikui9	12/1/76	5/22/13		14 Illinois Ave		2145	Somerville	MA	US
268	6972766	Benjamin Argueta	2522900	2522900	\$ 4,774.00	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	kuikui10	12/1/76	5/22/13		14 Illinois Ave		2145	Somerville	MA	US
269	7195998	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui0		5/23/13		104 Broadway	0	2145	Somerville	MA	US
270	7220384	Beto	7220384	7220384	\$ (49.90)	\$ (49.90)	\$ (49.90)	telexfreeben@gmail.com	6174016736	6174016736	6174016736		5/24/13		104	0	2145	Somerville	MA	US
271	7246182	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui00		5/24/13		14 illinois ave		2145	somerville	ma	US
272	7251712	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui01		5/24/13		14 illinois ave		2145	somerville	ma	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
273	7262034	denis atilio	7262034	7262034	\$ (49.90)	\$ (49.90)	\$ (49.90)	telexfreeben@gmail.com	6174016673	6174016673	6174016673		5/24/13		104 Broadway	0	2145	Somerville	MA	US
274	7308394	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui02		5/24/13		14 illinois ave		2145	somerville	ma	US
275	7308596	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui03		5/24/13		14 illinois ave		2145	somerville	ma	US
276	7308792	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui04		5/24/13		14 illinois ave		2145	somerville	ma	US
277	7309640	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui11		5/24/13		14 illinois ave		2145	somerville	ma	US
278	7309846	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui12		5/24/13		14 illinois ave		2145	somerville	m	US
279	7310036	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui13		5/24/13		14 illinois ave		2145	somerville	ma	US
280	7310246	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui14		5/24/13		14 illinois ave		2145	somerville	ma	US
281	7310446	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui15		5/24/13		14 illinois ave		2145	somerville	ma	US
282	7310632	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui21		5/24/13		14 illinois ave		2145	somerville	ma	US
283	7310762	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui22		5/24/13		14 illinois ave		2145	somerville	ma	US
284	7310912	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui23		5/24/13		14 illinois ave		2145	somerville	ma	US
285	7311052	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui24		5/24/13		14 illinois ave		2145	somerville	ma	US
286	7311190	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui25		5/24/13		14 illinois ave		2145	somerville	ma	US
287	7400102	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol0		5/25/13		14 illinois ave		2145	somerville	ma	US
288	7400240	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol01		5/25/13		14 illinois ave		2145	somerville	ma	US
289	7400410	b	7400410	7400410	\$ (49.90)	\$ (49.90)	\$ (49.90)	telexfreeben@gmail.com	8572598240	8572598240	mayasol02		5/25/13		14 illinois ave		2145	somerville	ma	US
290	7401100	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol03		5/25/13		14 illinois ave		2145	somerville	ma	US
291	7401216	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol04		5/25/13		14 illinois ave		2145	somerville	ma	US
292	7401442	Benjamin Argueta	2522900	2522900	\$ (299.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol101		5/25/13		14 illinois ave		2145	somerville	ma	US



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
293	7401522	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol102		5/25/13		14 illinois ave		2145	somerville	ma	US
294	7401754	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol103		5/25/13		14 illinois ave		2145	somerville	ma	US
295	7401974	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol104		5/25/13		14 illinois ave		2145	somerville	ma	US
296	7402116	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol105		5/25/13		14 illinois ave		2145	somerville	ma	US
297	7402518	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol201		5/25/13		14 illinois ave		2145	somerville	ma	US
298	7402666	Benjamin Argueta	2522900	2522900	\$ (299.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol202		5/25/13		14 illinois ave		2145	somerville	ma	US
299	7402728	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol203		5/25/13		14 illinois ave		2145	somerville	ma	US
300	7402836	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol204		5/25/13		14 illinois ave		2145	somerville	ma	US
301	7402958	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol205		5/25/13		14 illinois ave		2145	somerville	ma	US
302	7404486	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol301		5/26/13		14 illinois ave		2145	somerville	ma	US
303	7404546	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol302		5/26/13		14 illinois ave		2145	somerville	ma	US
304	7404596	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol303		5/26/13		14 illinois ave		2145	somerville	ma	US
305	7404652	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol304		5/26/13		14 illinois ave		2145	somerville	ma	US
306	7404728	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol305		5/26/13		14 illinois ave		2145	somerville	ma	US
307	7607352	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui31		5/27/13		14 illinois ave		2145	somerville	ma	US
308	7607572	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui32		5/27/13		14 illinois ave		2145	somerville	ma	US
309	7607798	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui33		5/27/13		14 illinois ave		2145	somerville	ma	US
310	7608006	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui34		5/27/13		14 illinois ave		2145	somerville	ma	US
311	7608240	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui35		5/27/13		14 illinois ave		2145	somerville	ny	US
312	7609470	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui41		5/27/13		14 illinois ave		2145	somerville	ma	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
313	7609916	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui42		5/27/13		14 illinois ave		2145	somerville	ma	US
314	7610044	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui43		5/27/13		14 illinois ave		2145	somerville	ma	US
315	7610174	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui44		5/27/13		14 illinois ave		2145	somerville	ma	US
316	7610282	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui45		5/27/13		14 illinois ave		2145	somerville	ma	US
317	7610516	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui51		5/28/13		14 illinois ave		2145	somerville	ma	US
318	7610598	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui52		5/28/13		14 illinois ave		2145	somerville	ma	US
319	7610644	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui53		5/28/13		14 illinois ave		2145	somerville	ma	US
320	7610702	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui54		5/28/13		14 illinois ave		2145	somerville	ma	US
321	7610790	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui55		5/28/13		14 illinois ave		2145	somerville	ma	US
322	7800582	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui61		5/29/13		14 illinois ave		2145	somerville	ma	US
323	7801160	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui62		5/29/13		14 illinois ave		2145	somerville	ma	US
324	7801388	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui63		5/29/13		14 illinois ave		2145	somerville	ma	US
325	7801600	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui64		5/29/13		14 illinois ave		2145	somerville	ma	US
326	7801820	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui65		5/29/13		14 illinois ave		2145	somerville	ma	US
327	7802088	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui71		5/29/13		14 illinois ave		2145	somerville	ma	US
328	7802296	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui72		5/29/13		14 illinois ave		2145	somerville	ma	US
329	7802546	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui73		5/29/13		14 illinois ave		2145	somerville	ma	US
330	7802780	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui74		5/29/13		14 illinois ave		2145	somerville	ma	US
331	7803010	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui75		5/29/13		14 illinois ave		2145	somerville	ma	US
332	7803352	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui81		5/29/13		14 illinois ave		2145	somerville	ma	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
333	7804040	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui82		5/29/13		14 illinois ave		2145	somerville	ma	US
334	7831832	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui83		5/29/13		14 illinois ave		2145	somerville	ma	US
335	7832088	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui84		5/29/13		14 illinois ave		2145	somerville	ma	US
336	7832370	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui85		5/29/13		14 illinois ave		2145	somerville	ma	US
337	7913412	Concepcion Argueta	6067202	4749006	\$ 2,492.80	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	8573331035	8573331035	conchy3	12/28/79	5/30/13		14 Illinois Ave	1	2145	Somerville	MA	US
338	7913638	Concepcion Argueta	6067202	4749006	\$ 5,173.20	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	8573331035	8573331035	conchy4	12/28/79	5/30/13		14 Illinois Ave	1	2145	Somerville		US
339	7914092	Concepcion Argueta	6067202	4749006	\$ (526.80)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	8573331035	8573331035	conchy5	12/28/76	5/30/13		14 Illinois Ave	1	2145	Somerville	MA	US
340	7914396	Concepcion Argueta	6067202	4749006	\$ (476.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	8573331035	8573331035	conchy6	12/28/79	5/30/13		14 Illinois Ave	1	2145	Somerville	MA	US
341	7915050	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	8573331035	8573331035	2conchy2		5/30/13		14 Illinois Ave	1	2145	2145	Un	US
342	7918864	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	8573331035	8573331035	1conchy1		5/30/13		14 Illinois Ave	1	2145	Somerville	Un	US
343	7920256	Concepcion Argueta	6067202	4749006	\$ (856.20)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	8573331035	8573331035	conchy7	12/28/79	5/30/13		14 Illinois Ave	1	2145	Somerville	MA	US
344	7920532	Concepcion Argueta	6067202	4749006	\$ (1,055.80)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	8573331035	8573331035	conchy8	12/28/79	5/30/13		14 Illinois Ave	1	2145	Somerville	MA	US
345	7920740	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	8573331035	8573331035	3conchy3		5/30/13		14 Illinois Ave	1	2145	Somerville	MA	US
346	7921298	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	8573331035	8573331035	4conchy4		5/30/13		14 Illinois Ave	1	2145	Somerville	MA	US
347	7921750	Concepcion Argueta	6067202	4749006	\$ 6,049.30	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	8573331035	8573331035	conchy9	12/28/79	5/30/13		14 Illinois Ave	1	2145	Somerville	MA	US
348	7921962	Concepcion Argueta	6067202	4749006	\$ (1,255.40)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	8573331035	8573331035	conchy10	12/28/79	5/30/13		14 Illinois Ave	1	2145	Somerville	MA	US
349	7924086	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	8573331035	8573331035	5conchy5		5/30/13		14 Illinois Ave	1	2145	Somerville	MA	US
350	7924332	Concepcion Argueta	6067202	4749006	\$ (1,255.40)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	8573331035	8573331035	conchy11	12/28/79	5/30/13		14 Illinois Ave	1	2145	Somerville	MA	US
351	7924614	Concepcion Argueta	6067202	4749006	\$ (1,025.80)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	8573331035	8573331035	conchy12	12/28/79	5/30/13		14 Illinois Ave	1	2145	Somerville	MA	US
352	7924960	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	8573331035	8573331035	6conchy6		5/30/13		14 Illinois Ave	1	2145	2145	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
353	7925144	Concepcion Argueta	6067202	4749006	\$ (1,025.80)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	8573331035	8573331035	conchy13	12/28/79	5/30/13		14 Illinois Ave	1	2145	Somerville	MA	US
354	7925366	Concepcion Argueta	6067202	4749006	\$ 449.10	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	8573331035	8573331035	conchy14	12/28/79	5/30/13		14 Illinois Ave	1	2145	Somerville	MA	US
355	7925992	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	8573331035	8573331035	0conchy		5/30/13		14 Illinois Ave	1	2145	Somerville	ma	US
356	7928102	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	2jonathana		5/30/13		14 Illinois Ave	1	2145	Somerville	MA	US
357	7928290	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	3jonathana		5/30/13		14 Illinois Ave	MA	2145	Somerville	MA	US
358	7928426	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	4jonathana		5/30/13		14 Illinois Ave	1	2145	Somerville	MA	US
359	7928570	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	5jonathana		5/30/13		14 Illinois Ave	1	2145	Somerville	MA	US
360	7928732	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	6jonathana		5/30/13		14 Illinois Ave	1	2145	Somerville	MA	US
361	7937326	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui91		5/30/13		14 illinois ave		2145	somerville	ma	US
362	7937552	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui92		5/30/13		14 illinois ave		2145	somerville	ma	US
363	7938058	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui93		5/30/13		14 illinois ave		2145	somerville	ma	US
364	7938198	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui94		5/30/13		14 illinois ave		2145	somerville	ma	US
365	7938384	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui95		5/30/13		14 illinois ave		2145	somerville	ma	US
366	7938556	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui101		5/30/13		14 illinois ave		2145	somerville	ma	US
367	7938712	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui102		5/30/13		14 illinois ave		2145	somerville	ma	US
368	7938884	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui103		5/30/13		14 illinois ave		2145	somerville	ma	US
369	7939032	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui104		5/30/13		14 illinois ave		2145	somerville	ma	US
370	7939204	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui105		5/30/13		14 illinois ave		2145	somerville	ma	US
371	8975510	Anderson Zambon	4698050	8975510	\$ (49.90)	\$ (49.90)	\$ (199.60)	telexfreeben@yahoo.com	7815022554	7815022554	7815022554		6/9/13		104 Broadway	0	2145	Somerville	MA	US
372	9133208	Griselda 1	9133208	9133208	\$ (49.90)	\$ (349.30)	\$ (349.30)	telexfreeben@gmail.com	85724936721	85724936721	85724936721		6/11/13		104 Broadway	0	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
373	9398426	Rina ardon	5166630	9398426	\$ (49.90)	\$ (49.90)	\$ (99.80)	telexfreeben@gmail.com	8572592981	8572592981	8572592981		6/12/13		104 broadway	0	2145	Somerville	MA	US
374	9561059	Benjamin Argueta	2522900	2522900	\$ (975.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	yurialarcon	12/1/76	6/14/13		14 Illinois Ave	1	2145	Somerville	MA	US
375	9569717	Ariel Alarcon	9569717	9569717	\$ (1,425.00)	\$ (13,064.80)	\$ (13,064.80)	arielalarcon2@gmail.com	6178347236	6178347236	arielalarcon		6/14/13		104 Broadway	1	2143	Somerville	MA	US
376	10021389	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1sheilan71		6/18/13		104 Broadway	0	2145	Somerville	ma	US
377	10036753	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1sheilan75		6/18/13		104 Broadway		2145	Somerville	MA	US
378	10037451	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1sheilan83		6/18/13		104 Broadway	0	2145	Somerville	MA	US
379	10038499	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1sheilan104		6/18/13		104 Broadway	0	2145	Somerville	MA	US
380	10039809	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1sheilan105		6/18/13		104 Broadway	0	2145	Somerville	MA	US
381	10040689	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1yuri1		6/18/13		104 Broadway	0	2145	Somerville	MA	US
382	10095793	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	yurialarcon1	12/1/76	6/18/13		14 Illinois Ave	1	2145	Somerville	MA	US
383	10210605	Benjamin Argueta	2522900	2522900	\$ 2,223.40	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	minchito1	12/1/76	6/19/13		14 Illinois Ave	1	2145	Somerville	MA	US
384	10211487	Benjamin Argueta	2522900	2522900	\$ (1,125.60)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho2	12/1/76	6/19/13		14 Illinois Ave	1	2145	Somerville	MA	US
385	10212167	Benjamin Argueta	2522900	2522900	\$ (1,275.30)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho3	12/1/76	6/19/13		14 Illinois Ave	#1	2145	Somerville	MA	US
386	10214329	Benjamin Argueta	2522900	10214329	\$ (349.30)	\$ (349.30)	\$ 4,012,998.90	jcargueta1129@gmail.com	8572494349	8572494349	jcargueta011		6/20/13		160 Broadway	3	2145	Somerville	MA	US
387	10339859	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho4	12/1/76	6/23/13		14 Illinois Ave	1	2145	Somerville	MA	US
388	10339863	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho5	12/1/76	6/24/13		14 Illinois Ave	1	2145	Somerville	MA	US
389	10339871	Benjamin Argueta	2522900	2522900	\$ (1,125.60)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho6	12/1/76	6/24/13		14 Illinois Ave	1	2145	Somerville	MA	US
390	10339877	Benjamin Argueta	2522900	2522900	\$ (1,125.60)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho7	12/1/76	6/24/13		14 Illinois Ave	1	2145	Somerville	MA	US
391	10339879	Benjamin Argueta	2522900	2522900	\$ (1,125.60)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho8	12/1/76	6/24/13		14 Illinois Ave	1	2145	Somerville	MA	US
392	10339881	Benjamin Argueta	2522900	2522900	\$ 1,874.10	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho9	12/1/76	6/24/13		14 Illinois Ave	1	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_nu_mero	rep_cep	city	state_code	country_code
393	10339883	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho001		6/24/13		14 Illinois Ave	1	2145	Somerville	MA	US
394	10339885	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho02		6/24/13		14 Illinois Ave	1	2145	Somerville	MA	US
395	10339887	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho03		6/24/13		14 Illinois Ave	1	2145	Somerville	MA	US
396	10339891	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho04		6/24/13		14 Illinois Ave	1	2145	Somerville	MA	US
397	10339893	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho05		6/24/13		14 Illinois Ave	1	2145	Somerville	MA	US
398	10339901	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	12mayasol01		6/24/13		14 Illinois Ave	1	2145	Somerville	MA	US
399	10339903	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho21		6/24/13		14 Illinois Ave	1	2145	Somerville	MA	US
400	10339905	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho22		6/24/13		14 Illinois Ave	1	2145	Somerville	MA	US
401	10339907	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho23		6/24/13		14 Illinois Ave	1	2145	Somerville	MA	US
402	10339911	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho24		6/24/13		14 Illinois Ave	1	2145	Somerville	MA	US
403	10339915	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho25		6/24/13		14 Illinois Ave	1	2145	Somerville	MA	US
404	10339921	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	minchito01		6/24/13		14 Illinois Ave	1	2145	Somerville	MA	US
405	10339925	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	minchito2		6/24/13		14 Illinois Ave	1	2145	Somerville	MA	US
406	10339927	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	minchito3		6/24/13		14 Illinois Ave	1	2145	Somerville	MA	US
407	10339931	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	minchito4		6/24/13		14 Illinois Ave	1	2145	Somerville	MA	US
408	10339935	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	minchito5		6/24/13		14 Illinois Ave	1	2145	Somerville	MA	US
409	10339989	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho31		6/24/13		14 Illinois Ave	1	2145	Somerville	MA	US
410	10340001	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho32		6/24/13		14 Illinois Ave	1	2145	Somerville	MA	US
411	10340007	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho33		6/24/13		14 Illinois Ave	1	2145	Somerville	MA	US
412	10340019	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho34		6/24/13		14 Illinois Ave	1	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_nu_mero	rep_cep	city	state_code	country_code
413	10340027	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho35		6/24/13		14 Illinois Ave	1	2145	Somerville	MA	US
414	10340127	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho41		6/24/13		14 Illinois Ave	1	2145	Somerville	MA	US
415	10340131	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho42		6/24/13		14 Illinois Ave	1	2145	Somerville	MA	US
416	10340135	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho43		6/24/13		14 Illinois Ave	1	2145	Somerville	MA	US
417	10340141	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho44		6/24/13		14 Illinois Ave	1	2145	Somerville	MA	US
418	10340169	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho45		6/24/13		14 Illinois Ave	1	2145	Somerville	MA	US
419	10340207	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho51		6/24/13		14 Illinois Ave	1	2145	Somerville	MA	US
420	10340213	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho52		6/24/13		14 Illinois Ave	1	2145	Somerville	MA	US
421	10340227	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho53		6/24/13		14 Illinois Ave	1	2145	Somerville	MA	US
422	10340229	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho54		6/24/13		14 Illinois Ave	1	2145	Somerville	MA	US
423	10340235	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho55		6/24/13		14 Illinois Ave	1	2145	Somerville	MA	US
424	10340345	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho61		6/24/13		14 Illinois Ave	1	2145	Somerville	MA	US
425	10340349	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho62		6/24/13		14 Illinois Ave	1	2145	Somerville	MA	US
426	10340353	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	mincho63		6/24/13		14 Illinois Ave	1	2145	Somerville	MA	US
427	10340359	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho64		6/24/13		14 Illinois Ave	1	2145	Somerville	MA	US
428	10340365	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho65		6/24/13		14 Illinois Ave	1	2145	Somerville	MA	US
429	10340375	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho71		6/24/13		14 Illinois Ave	1	2145	Somerville	MA	US
430	10340377	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho72		6/24/13		14 Illinois Ave	1	2145	Somerville	MA	US
431	10340379	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho73		6/24/13		14 Illinois Ave	1	2145	Somerville	MA	US
432	10340383	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho74		6/24/13		14 Illinois Ave	1	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
433	10340387	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho75		6/24/13		14 Illinois Ave	1	2145	Somerville	MA	US
434	10340421	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho81		6/24/13		14 Illinois Ave	1	2145	Somerville	MA	US
435	10340425	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho82		6/24/13		14 Illinois Ave	1	2145	Somerville	MA	US
436	10340429	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho83		6/24/13		14 Illinois Ave	1	2145	Somerville	MA	US
437	10340431	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho84		6/24/13		14 Illinois Ave	1	2145	Somerville	MA	US
438	10340433	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho85		6/24/13		14 Illinois Ave	1	2145	Somerville	MA	US
439	10340435	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho91		6/24/13		14 Illinois Ave	1	2145	Somerville	MA	US
440	10340441	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho92		6/24/13		14 Illinois Ave	1	2145	Somerville	MA	US
441	10340443	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho93		6/24/13		14 Illinois Ave	1	2145	Somerville	MA	US
442	10340451	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho94		6/24/13		14 Illinois Ave	1	2145	Somerville	MA	US
443	10340455	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho95		6/24/13		14 Illinois Ave	1	2145	Somerville	MA	US
444	10358450	Luciano	10358450	10358450	\$ (49.90)	\$ (49.90)	\$ (49.90)	telexfreeben@gmail.com	7812280018	7812280018	7812280018		6/27/13		104 Broadway	0	2145	Somerville	MA	US
445	10358512	mary	10358512	10358512	\$ (49.90)	\$ (49.90)	\$ (49.90)	telexfreeben@gmail.com	18573891413	18573891413	18573891413		6/27/13		104 broadway	0	2145	somerville	ma	US
446	10358544	griselda	9133208	9133208	\$ (49.90)	\$ (349.30)	\$ (349.30)	telexfreeben@gmail.com	18572493672	18572493672	18572493672		6/27/13		104 Broadway	0	2145	somerville	ma	US
447	10361448	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	5mayasol55		6/27/13		104 Broadway	0	2145	Somerville	MA	US
448	10369103	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1.85726E+11		6/29/13		104 broadway	0	2145	Somerville	Ma	US
449	10435601	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	jonathana01		7/10/13		104 Broadway	0	2145	Somerville	MA	US
450	10466655	Conchy Argueta	4749006	4749006	\$ (199.60)	\$ (21,040.10)	\$ (3,792.40)	telexfreeben@gmail.com	8573331035	8573331035	conchy01		7/13/13		104 broadway	0	2145	Somerville	MA	US
451	10466697	Conchy Argueta	4749006	4749006	\$ (249.50)	\$ (21,040.10)	\$ (3,792.40)	telexfreeben@gmail.com	8573331035	8573331035	conchy02		7/13/13		104	0	2145	Somerville	MA	US
452	10466753	Conchy Argueta	4749006	4749006	\$ (249.50)	\$ (21,040.10)	\$ (3,792.40)	telexfreeben@gmail.com	8573331035	8573331035	conchy03		7/13/13		104 Broadway	0	2145	Somerville	MA	US



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_nu_mero	rep_cep	city	state_code	country_code
453	10466775	Conchy Argueta	4749006	4749006	\$ (249.50)	\$ (21,040.10)	\$ (3,792.40)	Telexfreeben@gmail	8573331035	8573331035	conchy04		7/13/13		104 broadway	0	2145	Somerville	MA	US
454	10466809	Conchy Argueta	4749006	4749006	\$ (249.50)	\$ (21,040.10)	\$ (3,792.40)	telexfreeben@gmail.com	8573331035	8573331035	conchy05		7/13/13		104 Broadway	0	2145	Somerville	MA	US
455	10466819	Conchy Argueta	4749006	4749006	\$ (249.50)	\$ (21,040.10)	\$ (3,792.40)	telexfreeben@gmail.com	8573331035	8573331035	conchy06		7/13/13		104 broadway	0	2145	Somerville	MA	US
456	10493963	Benjamin Argueta	2522900	2522900	\$ (399.20)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	kuikui001		7/16/13		104 Broadway	0	2145	Somerville	MA	US
457	10586641	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol002		7/28/13		104 Broadway	0	2145	Somerville	MA	US
458	10590409	Rosa Lina Castro	4748082	4748082	\$ (1,225.40)	\$ (1,425.00)	\$ 178,512.93	telexfreeben@gmail.com	7813508942	7813508942	rosac	9/8/52	7/29/13		14 Illinois Ave	1	2145	Somerville	MA	US
459	10609871	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol001		7/31/13		104 Broadway	0	2145	Somerville	MA	US
460	10610183	Benjamin Argueta	2522900	2522900	\$ (299.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol3003		7/31/13		104 Broadway	1	2145	Somerville	ma	US
461	10642477	griselda	9133208	9133208	\$ (249.50)	\$ (349.30)	\$ (349.30)	telexfreeben@gmail.com	8572493672	8572493672	griseldam1		8/3/13		104 Broadway	0	2145	Somerville	MA	US
462	10642523	kevin	10642523	10642523	\$ (349.30)	\$ (349.30)	\$ (349.30)	telexfreeben@gmail.com	5089337500	5089337500	kevinm1		8/3/13		104 Broadway	0	2145	Somerville	MA	US
463	10654839	Karen garcia	10654839	10654839	\$ (49.90)	\$ (49.90)	\$ (49.90)	telexfreeben@gmail.com	3396748963	3396748963	13396748963		8/5/13		104 Broadway	0	2145	Somerville	MA	US
464	10654899	18574139757	10654899	10654899	\$ (49.90)	\$ (49.90)	\$ (49.90)	telexfreeben@gmail.com	18574139757	18574139757	18574139757		8/5/13		104 Broadway	0	2145	Somerville	MA	US
465	10666655	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol003		8/6/13		104 Broadway	0	2145	Somerville	ma	US
466	10666879	Benjamin Argueta	2522900	2522900	\$ (349.30)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol000		8/6/13		104 Broadway	0	2145	Somerville	ma	US
467	10667115	Benjamin Argueta	2522900	2522900	\$ (149.70)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1mayasol000		8/6/13		104 Broadway	0	2145	Somerville	ma	US
468	10680407	Ana Guevara	4827432	4827432	\$ (49.90)	\$ (249.50)	\$ (249.50)	telexfreeben@gmail.com	8572513568	8572513568	8.57251E+11		8/7/13		104 broadway	0	2145	Somerville	Ma	US
469	10692493	Benjamin Argueta	2522900	2522900	\$ 14,938.50	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho10	12/1/76	8/8/13		14 Illinois ave	1	2145	Somervielle		US
470	10692617	Benjamin Argueta	2522900	2522900	\$ (1,025.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho11	12/1/76	8/8/13		14Illinois Ave	1	2145	Somerville	MA	US
471	10692673	Benjamin Argueta	2522900	2522900	\$ 11,799.20	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho12	12/1/76	8/8/13		14 Illinois Ave	1	2145	Somerville	MA	US
472	10692905	Benjamin Argueta	2522900	2522900	\$ (199.60)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho901		8/8/13		14 Illinois	1	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
473	10703519	Tainara Santos Magalhaes	10703387	10703387	\$ (1,275.30)	\$ (8,649.80)	\$ (8,649.80)	osvaldojr88@hotmail.com	7819130273	7819130273	jrtainara1		8/9/13		104 Broadway		1906	saugus		US
474	10703647	Tainara Santos Magalhaes	10703387	10703387	\$ 149.70	\$ (8,649.80)	\$ (8,649.80)	osvaldojr88@hotmail.com	7819130273	7819130273	jrtainara2		8/9/13		104 Broadway		1906	saugus		US
475	10703757	Tainara Santos Magalhaes	10703387	10703387	\$ (1,425.00)	\$ (8,649.80)	\$ (8,649.80)	osvaldojr88@hotmail.com	7819130273	7819130273	jrtainara3		8/9/13		104 Broadway		1906	saugus		US
476	10714621	beatriz martinez	10714621	10714621	\$ (299.40)	\$ (2,584.50)	\$ (3,375.20)	telexfreeben@gmail.com	574457454	8574457454	bea01		8/10/13		104 Broadway	0	2145	Somerville	ma	US
477	10737545	Tainara Santos Magalhaes	10703387	10703387	\$ (299.40)	\$ (8,649.80)	\$ (8,649.80)	osvaldojr88@hotmail.com	17819130273	17819130273	jrtainaravp		8/13/13		104 Broadway		1906	saugus		US
478	10752015	Tainara Santos Magalhaes	10703387	10703387	\$ (199.60)	\$ (8,649.80)	\$ (8,649.80)	osvaldojr88@hotmail.com	17819130273	17819130273	jrtainara1vp		8/14/13		104 Broadway		1906	Saugus	MA	US
479	10752871	Tainara Santos Magalhaes	10703387	10703387	\$ (1,425.00)	\$ (8,649.80)	\$ (8,649.80)	osvaldojr88@hotmail.com	17819130273	17819130273	jrtainara5		8/14/13		104 Broadway		1906	Saugus		US
480	10772857	Tainara Santos Magalhaes	10703387	10703387	\$ (299.40)	\$ (8,649.80)	\$ (8,649.80)	osvaldojr88@hotmail.com	17819134693	17819134693	jrtainara2vp		8/16/13		104 Broadway		1906	saugus	ma	US
481	10776869	Benjamin Argueta	2522900	2522900	\$ (1,125.60)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho13	12/1/76	8/16/13		14 illinois ave	1	2145	Somerville	MA	US
482	10776941	Benjamin Argueta	2522900	2522900	\$ (1,125.60)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho14	12/1/76	8/16/13		14 illinois ave		2145	somerville	ma	US
483	10776971	Benjamin Argueta	2522900	2522900	\$ (1,125.60)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598340	8572598240	mincho15	12/1/76	8/16/13		14 Illinois Ave	1	2145	Somerville		US
484	10776977	Benjamin Argueta	2522900	2522900	\$ (1,125.60)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho16	12/1/76	8/16/13		14 illinois ave		2145	somerville	ma	US
485	10777011	Benjamin Argueta	2522900	2522900	\$ (1,125.60)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho18	12/1/76	8/16/13		14 illinois ave		2145	somerville	ma	US
486	10777037	Benjamin Argueta	2522900	2522900	\$ (1,125.60)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho17	12/1/76	8/16/13		14 Illinois Ave	1	2145	Somerville	MA	US
487	10777107	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho19	12/1/76	8/16/13		14 illinois ave		2145	somerville	ma	US
488	10784423	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho900		8/17/13		14 illinois ave		2145	somerville	ma	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
489	10784493	benjamin argurta	2522900	10784493	\$ (49.90)	\$ (49.90)	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho9001		8/17/13		14 illinois ave		2145	somerville	ma	US
490	10784513	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreebe@gmail.com	8572598240	8572598240	mincho9002		8/17/13		14 illinois ave		2145	somerville	ma	US
491	10784671	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho9003		8/17/13		14 illinois ave		2145	somerville	ma	US
492	10784695	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreebe@gmail.com	8572598240	8572598240	mincho9004		8/17/13		14 illinois ave		2145	somerville	ma	US
493	10784731	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho101		8/17/13		14 illinois ave		2145	somerville	ma	US
494	10784741	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho102		8/17/13		14 illinois ave		2145	somerville	ma	US
495	10784753	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho103		8/17/13		14 illinois ave		2145	somerville	ma	US
496	10784773	benjamin a	2522900	10784773	\$ (49.90)	\$ (149.70)	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho104		8/17/13		14 ilinois ave		2145	somerville	ma	US
497	10784839	benjamin a	2522900	10784773	\$ (49.90)	\$ (149.70)	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho105		8/17/13		14 ilinois ave		2145	somerville	ma	US
498	10784861	benjamin a	2522900	10784773	\$ (49.90)	\$ (149.70)	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho111		8/17/13		14 illinois		2145	somerville	ma	US
499	10784877	Benjamin	2522900	10784877	\$ (49.90)	\$ (2,295.40)	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho112		8/17/13		14 illinois ave		2145	somerville	ma	US
500	10784895	Benjamin	2522900	10784877	\$ (49.90)	\$ (2,295.40)	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho115		8/17/13		14 illinois ave		2145	somerville	MA	US
501	10784899	Benjamin	2522900	10784877	\$ (49.90)	\$ (2,295.40)	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho121		8/17/13		14 illinois ave		2145	somerville	ma	US
502	10784911	Benjamin	2522900	10784877	\$ (49.90)	\$ (2,295.40)	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho122		8/17/13		14 illinois ave		2145	Somerville	ma	US
503	10784915	Benjamin	2522900	10784877	\$ (49.90)	\$ (2,295.40)	\$ 4,012,998.90	telexfree@gmail.com	8572598240	8572598240	mincho123		8/17/13		14 illinois ave		2145	Somerville	ma	US
504	10784921	Benjamin	2522900	10784877	\$ (49.90)	\$ (2,295.40)	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho124		8/17/13		14 illinois ave		2145	somerville	ma	US
505	10784925	Benjamin	2522900	10784877	\$ (49.90)	\$ (2,295.40)	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho125		8/17/13		14 illinois ave		2145	somerville	ma	US
506	10784931	Benjamin	2522900	10784877	\$ (49.90)	\$ (2,295.40)	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho131		8/17/13		14 illinois ave		2145	Somerville	ma	US
507	10784941	Benjamin	2522900	10784877	\$ (49.90)	\$ (2,295.40)	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho132		8/17/13		14 illinois ave		2145	Somerville	ma	US
508	10784949	benjamin	2522900	10784877	\$ (49.90)	\$ (2,295.40)	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho133		8/17/13		14 illinois ave		2145	Somerville	ma	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
509	10784953	benjamin	2522900	10784877	\$ (49.90)	\$ (2,295.40)	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho134		8/17/13		14 illinois ave		2145	Somerville	ma	US
510	10784959	Benjamin	2522900	10784877	\$ (49.90)	\$ (2,295.40)	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho135		8/17/13		14 illinois ave		2145	Somerville	ma	US
511	10784965	benjamin	2522900	10784877	\$ (49.90)	\$ (2,295.40)	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho141		8/17/13		14 illinois ave		2145	Somerville	ma	US
512	10784975	benjamin	2522900	10784877	\$ (49.90)	\$ (2,295.40)	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho142		8/17/13		14 illinois ave		2145	Somerville	ma	US
513	10784985	benjamin	2522900	10784877	\$ (49.90)	\$ (2,295.40)	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho143		8/17/13		14 illinois ave		2145	Somerville	ma	US
514	10784993	benjamin	2522900	10784877	\$ (49.90)	\$ (2,295.40)	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho144		8/17/13		14 illinois ave		2145	Somerville	ma	US
515	10785001	benjamin	2522900	10784877	\$ (49.90)	\$ (2,295.40)	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho145		8/17/13		14 illinois ave		2145	Somerville	ma	US
516	10785015	benjamin	2522900	10784877	\$ (49.90)	\$ (2,295.40)	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho151		8/17/13		14 illinois ave		2145	somerville	ma	US
517	10785023	benjamin	2522900	10784877	\$ (49.90)	\$ (2,295.40)	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho152		8/17/13		14 illinois ave		2145	Somerville	ma	US
518	10785039	benjamin	2522900	10784877	\$ (49.90)	\$ (2,295.40)	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho153		8/17/13		14 illinois ave		2145	somerville	ma	US
519	10785047	benjamin	2522900	10784877	\$ (49.90)	\$ (2,295.40)	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho154		8/17/13		14 illinois ave		2145	Somerville	ma	US
520	10785049	benjamin	2522900	10784877	\$ (49.90)	\$ (2,295.40)	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho155		8/17/13		14 illinois ave		2145	Somerville	ma	US
521	10785067	benjamin	2522900	10784877	\$ (49.90)	\$ (2,295.40)	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho161		8/17/13		14 illinois ave		2145	Somerville	ma	US
522	10785069	benjamin	2522900	10784877	\$ (49.90)	\$ (2,295.40)	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho162		8/17/13		14 illinois ave		2145	Somerville	ma	US
523	10785083	benjamin	2522900	10784877	\$ (49.90)	\$ (2,295.40)	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho163		8/17/13		14 illinois ave		2145	Somerville	ma	US
524	10785095	benjamin	2522900	10784877	\$ (49.90)	\$ (2,295.40)	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	micho164		8/17/13		14 illinois ave		2145	Somerville	ma	US
525	10785105	benjamin	2522900	10784877	\$ (49.90)	\$ (2,295.40)	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho165		8/17/13		14 illinois ave		2145	Somerville	ma	US
526	10785155	benjamin	2522900	10784877	\$ (49.90)	\$ (2,295.40)	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho171		8/17/13		14 illinois ave		2145	Somerville	ma	US
527	10785161	benjamin	2522900	10784877	\$ (49.90)	\$ (2,295.40)	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho172		8/17/13		14 illinois ave		2145	Somerville	ma	US
528	10785169	benjamin	2522900	10784877	\$ (49.90)	\$ (2,295.40)	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho173		8/17/13		14 illinois ave		2145	Somerville	ma	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
529	10785177	benjamin	2522900	10784877	\$ (49.90)	\$ (2,295.40)	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho174		8/17/13		14 illinois ave		2145	Somerville	ma	US
530	10785181	benjamin	2522900	10784877	\$ (49.90)	\$ (2,295.40)	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho175		8/17/13		14 illinois ave		2145	Somerville	ma	US
531	10785197	benjamin	2522900	10784877	\$ (49.90)	\$ (2,295.40)	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho181		8/17/13		14 illinois ave		2145	Somerville	ma	US
532	10785203	benjamin	2522900	10784877	\$ (49.90)	\$ (2,295.40)	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho182		8/17/13		14 illinois ave		2145	Somerville	ma	US
533	10785209	benjamin	2522900	10784877	\$ (49.90)	\$ (2,295.40)	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	minco183		8/17/13		14 illinois ave		2145	Somerville	ma	US
534	10785219	benjamin	2522900	10784877	\$ (49.90)	\$ (2,295.40)	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho184		8/17/13		14 illinois ave		2145	Somerville	ma	US
535	10785225	benjamin	2522900	10784877	\$ (49.90)	\$ (2,295.40)	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho185		8/17/13		14 illinois ave		2145	Somerville	ma	US
536	10785243	benjamin	2522900	10784877	\$ (49.90)	\$ (2,295.40)	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho191		8/17/13		14 illinois ave		2145	Somerville	ma	US
537	10785265	benjamin	2522900	10784877	\$ (49.90)	\$ (2,295.40)	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho193		8/17/13		14 illinois ave		2145	Somerville	ma	US
538	10785273	benjamin	2522900	10784877	\$ (49.90)	\$ (2,295.40)	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho194		8/17/13		14 illinois ave		2145	Somerville	ma	US
539	10785281	benjamin	2522900	10784877	\$ (49.90)	\$ (2,295.40)	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho195		8/17/13		14 illinois ave		2145	Somerville	ma	US
540	10785287	benjamin	2522900	10784877	\$ (49.90)	\$ (2,295.40)	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho113		8/17/13		14 illinois ave		2145	Somerville	ma	US
541	10785301	benjamin	2522900	10784877	\$ (49.90)	\$ (2,295.40)	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho114		8/17/13		14 illinois ave		2145	Somerville	ma	US
542	10785361	benjamin	2522900	10784877	\$ (49.90)	\$ (2,295.40)	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho183		8/17/13		14 illinois ave		2145	Somerville	ma	US
543	10785369	benjamin	2522900	10784877	\$ (49.90)	\$ (2,295.40)	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho164		8/17/13		14 illinois ave		2145	Somerville	ma	US
544	10785397	benjamin	2522900	10784877	\$ (49.90)	\$ (2,295.40)	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho192		8/17/13		14 illinois ave		2145	Somerville	ma	US
545	10791085	Benjamin Argueta	2522900	2522900	\$ (975.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	carbenji1	12/1/76	8/18/13		14 ILlinois Ave	1	2145	Somerville	MA	US
546	10791407	Benjamin Argueta	2522900	2522900	\$ (726.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja1	12/1/76	8/18/13		14 ILlinois Ave	1	2145	Somerville	MA	US
547	10791435	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja2	12/1/79	8/18/13		14 ILlinois Ave	1	2145	Somerville	MA	US
548	10791463	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja3	12/1/76	8/18/13		14 ILlinois Ave	1	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_nu_mero	rep_cep	city	state_code	country_code
549	10791493	Benjamin Argueta	2522900	2522900	\$ (1,375.10)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja4	12/1/76	8/18/13		14 Illinois Ave	1	2145	Somerville	MA	US
550	10792793	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja5	12/1/76	8/18/13		14 Illinois Ave	1	2145	Somerville	MA	US
551	10793019	Benjamin Argueta	2522900	2522900	\$ (199.60)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja101		8/18/13		14 Illinois ave		2145	Somerville	MA	US
552	10793033	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja102		8/18/13		14 Illinois ave	1	2145	Somerville	MA	US
553	10793043	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja103		8/18/13		14 Illinois ave	1	2145	Somerville	MA	US
554	10793059	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja104		8/18/13		14 Illinois ave	1	2145	Somerville	MA	US
555	10793081	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja105		8/18/13		14 Illinois ave	1	2145	Somerville	MA	US
556	10793239	Benjamin Argueta	2522900	2522900	\$ (1,325.20)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja6	12/1/76	8/18/13		14 Illinois ave	1	2145	Somerville	MA	US
557	10793275	Benjamin Argueta	2522900	2522900	\$ (1,325.20)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja7	12/1/76	8/18/13		14 Illinois ave	1	2145	Somerville	MA	US
558	10793315	Benjamin Argueta	2522900	2522900	\$ (1,325.20)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja8	12/1/76	8/18/13		14 Illinois ave	1	2145	Somerville	MA	US
559	10793335	Benjamin Argueta	2522900	2522900	\$ (1,325.20)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja9	12/1/76	8/18/13		14 Illinois ave	1	2145	Somerville	MA	US
560	10793411	Benjamin Argueta	2522900	2522900	\$ (1,325.20)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja11	12/1/76	8/18/13		14 Illinois ave	1	2145	Somerville	MA	US
561	10794117	Benjamin Argueta	2522900	2522900	\$ (1,325.20)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja10	12/1/76	8/19/13		14 Illinois Ave	1	2145	Somerville	MA	US
562	10803925	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja201		8/19/13		14 illinois ave	1	2145	Somerville	MA	US
563	10803947	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja202		8/19/13		14 Illinois ave	1	2145	Somerville	MA	US
564	10803981	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja203		8/19/13		14 Illinois ave	1	2145	Somerville	MA	US
565	10803993	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja204		8/19/13		14 Illinois ave	1	2145	Somerville	MA	US
566	10804013	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja205		8/19/13		14 Illinois ave	1	2145	Somerville	MA	US
567	10804047	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja301		8/19/13		14 Illinois ave	1	2145	Somerville	MA	US
568	10804063	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja302		8/19/13		14 Illinois ave	1	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_nu_mero	rep_cep	city	state_code	country_code
569	10804157	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja303		8/19/13		14 Illinois ave	1	2145	Somerville	MA	US
570	10804223	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja304		8/19/13		14 Illinois ave	1	2145	Somerville	MA	US
571	10804237	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja305		8/19/13		14 Illinois ave	1	2145	Somerville	MA	US
572	10804265	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja401		8/19/13		14 Illinois ave	1	2145	Somerville	MA	US
573	10804275	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja402		8/19/13		14 Illinois ave	1	2145	Somerville	MA	US
574	10804309	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja403		8/19/13		14 Illinois ave	1	2145	Somerville	MA	US
575	10804331	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja404		8/19/13		14 illinois ave	1	2145	Somerville	MA	US
576	10804339	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja405		8/19/13		14 illinois ave	1	2145	Somerville	MA	US
577	10804373	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja501		8/19/13		14 Illinois ave	1	2145	Somerville	MA	US
578	10804395	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja502		8/19/13		14 Illinois ave	1	2145	Somerville	MA	US
579	10804417	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja503		8/19/13		14 Illinois ave	1	2145	Somerville	MA	US
580	10804429	Baenjain Argueta	2522900	10804429	\$ (49.90)	\$ (49.90)	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja504		8/19/13		14 Illinois ave	1	2145	Somerville	MA	US
581	10804437	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja505		8/19/13		14 Illinois ave	1	2145	Somerville	MA	US
582	10804483	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja601		8/19/13		14 Illinois ave	1	2145	Somerville	MA	US
583	10804495	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja602		8/19/13		14 Illinois ave	1	2145	Somerville	2	US
584	10804507	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja603		8/19/13		14 Illinois ave	1	2145	Somerville	MA	US
585	10804519	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja604		8/19/13		14 Illinois ave	1	2145	Somerville	MA	US
586	10804527	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja605		8/19/13		14 Illinois ave	1	2145	Somerville	MA	US
587	10804581	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja701		8/19/13		14 Illinois ave	1	2145	Somerville	MA	US
588	10804587	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja702		8/19/13		14 Illinois ave	1	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_nu_mero	rep_cep	city	state_code	country_code
589	10804595	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja703		8/19/13		14 Illinois ave	1	2145	Somerville	MA	US
590	10804601	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja704		8/19/13		14 Illinois ave	1	2145	Somerville	MA	US
591	10804609	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja705		8/19/13		14 Illinois ave	1	2145	Somerville	MA	US
592	10804643	Benjain Argueta	2522900	10804643	\$ (49.90)	\$ (49.90)	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja801		8/19/13		14 Illinois ave	1	2145	Somerville	MA	US
593	10804649	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja802		8/19/13		14 Illinois ave	1	2145	Somerville	MA	US
594	10804657	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja803		8/19/13		14 Illinois ave	1	2145	Somerville	MA	US
595	10804693	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja804		8/19/13		14 Illinois ave	1	2145	Somerville	MA	US
596	10804699	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja805		8/19/13		14 Illinois ave	1	2145	Somerville	MA	US
597	10804733	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja901		8/19/13		14 Illinois ave	1	2145	Somerville	MA	US
598	10804741	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja902		8/19/13		14 Illinois ave	1	2145	Somerville	MA	US
599	10804755	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja903		8/19/13		14 Illinois ave	1	2145	Somerville	MA	US
600	10804765	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja904		8/19/13		14 Illinois ave	1	2145	Someville	MA	US
601	10804787	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja905		8/19/13		14 Illinois ave	1	2145	Somerville	MA	US
602	10804851	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja111		8/19/13		14 Illinois ave	1	2145	Somerville	MA	US
603	10804859	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja112		8/19/13		14 Illinois ave	1	2145	Somerville	MA	US
604	10804869	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja113		8/19/13		14 illinois ave	1	2145	Somerville	MA	US
605	10804899	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja114		8/19/13		14 Illinois ave	1	2145	Somerville	MA	US
606	10804907	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja115		8/19/13		14 Illinois ave	1	2145	Somerville	MA	US
607	10817073	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja1001		8/20/13		14 Illinois Ave	1	2145	Somerville	MA	US
608	10817125	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfree@gmail.com	8572598240	8572598240	benja1002		8/20/13		14 Illinois ave	1	2145	Somerville	MA	US



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_nu_mero	rep_cep	city	state_code	country_code
609	10817181	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja1003		8/20/13		14 Illinois ave	1	2145	Somerville	MA	US
610	10817219	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja1004		8/20/13		14 Illinois Ave	1	2145	Somerville	MA	US
611	10817255	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja1005		8/20/13		14 Illinois Ave	1	2145	Somerville	MA	US
612	10817355	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benja3003		8/20/13		14 Illinois Ave	1	2145	Somerville	MA	US
613	10836099	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mincho0001		8/22/13		14 illinois Ave	1	2145	Somerville	MA	US
614	10940265	ana Guevara	4827432	4827432	\$ (49.90)	\$ (249.50)	\$ (249.50)	telexfreeben@gmail.com	8572513568	8572513568	mayasol2001		8/31/13		104 Broadway	0	2145	somerville	MA	US
615	10958693	Benjamin Argueta	2522900	2522900	\$ (1,075.70)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	carbenji2	12/1/76	9/1/13		14 Illinois Ave	1	2145	Somerville	MA	US
616	10958987	Benjamin Argueta	2522900	2522900	\$ (1,275.30)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	carbenji3	12/1/76	9/1/13		14 Illinois Ave	1	2145	Somerville	MA	US
617	10959111	Benjamin Argueta	2522900	2522900	\$ (1,275.30)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	carbenji4	12/1/76	9/1/13		14 Illinois Ave	1	2145	Somerville	MA	US
618	10959455	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	carbenji5	12/1/76	9/1/13		14 Illinois Ave	1	2145	Somerville	MA	US
619	10959499	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	carbenji6	12/1/76	9/1/13		14 Illinois Ave	1	2145	Somerville	MA	US
620	10959609	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	carbenji7	12/1/76	9/1/13		14 Illinois Ave	1	2145	Somerville	MA	US
621	10960817	Benjamin Argueta	2522900	2522900	\$ (1,345.30)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	carbenji8	12/1/76	9/1/13		14 Illinois Ave	1	2145	Somerville	MA	US
622	10960849	Benjamin Argueta	2522900	2522900	\$ (1,325.20)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	carbenji9	12/1/76	9/1/13		14 Illinois Ave	1	2145	Somerville	MA	US
623	10961443	Benjamin Argueta	2522900	2522900	\$ (1,325.20)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	carbenji10	12/1/76	9/1/13		14Illinois Ave	1	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
624	10961481	Benjamin Argueta	2522900	2522900	\$ (1,325.20)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	carbenji11	12/1/76	9/1/13		14 Illinois Ave	1	2145	Somerville	MA	US
625	10961531	Benjamin Argueta	2522900	2522900	\$ (1,325.20)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	carbenji12	12/1/76	9/1/13		14 Illinois Ave	1	2145	Somerville	MA	US
626	10963291	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	carbenji21		9/1/13		14 Illinois ave		2145	Somerville	Ma	US
627	10963311	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	carbenji22		9/1/13		14 Illinois ave		2145	Somerville	Ma	US
628	10963401	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	carbenji23		9/1/13		14 Illinois ave		2145	Somerville	Ma	US
629	10963473	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	carbenji501		9/1/13		14 illinois ave	1	2145	Somerville	MA	US
630	10963595	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	carbenji24		9/1/13		14 Illinois ave		2145	Somerville	Ma	US
631	10963621	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	carbenji25		9/1/13		14 Illinois ave		2145	Somerville	Ma	US
632	10963649	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	carbenji31		9/1/13		14 Illinois ave		2145	Somerville	Ma	US
633	10963671	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	carbenji32		9/1/13		14 Illinois ave		2145	Somerville	Ma	US
634	10963681	areli	10963681	10963681	\$ (49.90)	\$ (49.90)	\$ (49.90)	telexfreeben@gmail.com	6172869528	6172869528	carbengi502		9/1/13		14 illinois ave		2145	somerville	MA	US
635	10963691	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.co,	8572598240	8572598240	carbenji33		9/1/13		14 Illinois ave		2145	Somerville	Ma	US
636	10963693	leo	10963693	10963693	\$ (49.90)	\$ (49.90)	\$ (49.90)	telexfreeben@gmail.com	8573895889	8573895889	carbengi503		9/1/13		14 illinois ave		2145	somerville	MA	US
637	10963745	chepito	10963745	10963745	\$ (49.90)	\$ (49.90)	\$ (49.90)	telexfreeben@gmail.com	8579196422	8579196422	carbengi504		9/1/13		14 illinois ave		2145	somerville	MA	US
638	10963757	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	carbenji34		9/1/13		14 Illinois ave		2145	Somerville	Ma	US
639	10963799	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	carbengi505		9/1/13		14 illinois ave		2145	somerville	MA	US
640	10963819	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	carbenji35		9/1/13		14 Illinois ave		2145	Somerville	Ma	US
641	10963971	Benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	carbenji41		9/1/13		14 Illinois ave		2145	Somerville	Ma	US
642	10964013	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	carbenji42		9/1/13		14 Illinois ave		2145	Somerville	Ma	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
643	10964061	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	carbenji43		9/1/13		14 Illinois ave		2145	Somerville	Ma	US
644	10964125	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	carbenji44		9/1/13		14 Illinois ave		2145	Somerville	Ma	US
645	10964157	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	carbenji45		9/1/13		14 Illinois ave		2145	Somerville	Ma	US
646	10964863	Benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	carbenji1101		9/1/13		14 Illinois ave		2145	Somerville	Ma	US
647	10964877	Benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	carbenji1102		9/1/13		14 Illinois ave		2145	Somerville	Ma	US
648	10964879	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	carbenji71		9/1/13		14 illinois ave		2145	somerville	ma	US
649	10964887	Benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	carbenji1103		9/1/13		14 Illinois ave		2145	Somerville	Ma	US
650	10964891	Benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	carbenji1104		9/1/13		14 Illinois ave		2145	Somerville	Ma	US
651	10964895	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	carbenji72		9/1/13		14 illinois ave		2145	somerville	ma	US
652	10964897	Benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	carbenji1105		9/1/13		14 Illinois ave		2145	Somerville	Ma	US
653	10964949	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	carbenji73		9/1/13		14 illinois ave		2145	somerville	ma	US
654	10964967	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	carbenji74		9/1/13		14 illinois ave		2145	Somerville	MA	US
655	10964991	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	carbenji1201		9/1/13		14 Illinios Ave		2145	Somerville	MA	US
656	10964997	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	carbenji75		9/1/13		14 illinois ave		2145	Somerville	MA	US
657	10965001	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	carbenji1202		9/1/13		14 Illinios Ave		2145	Somerville	MA	US
658	10965005	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	carbenji1203		9/1/13		14 Illinios Ave		2145	Somerville	MA	US
659	10965021	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	carbenji1204		9/1/13		14 Illinios Ave		2145	Somerville	MA	US
660	10965029	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	carbenji1205		9/1/13		14 Illinios Ave		2145	Somerville	MA	US
661	10965053	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	carbenji81		9/1/13		14 illinois ave		2145	Somerville	ma	US
662	10965065	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	carbenji82		9/1/13		14 illinois ave		2145	Somerville	ma	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
663	10965077	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	carbenji1001		9/1/13		14 illinois Ave		2145	Somerville	MA	US
664	10965079	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	carbenji83		9/1/13		14 illinois ave		2145	somerville	ma	US
665	10965087	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	carbenji1002		9/1/13		14 illinois Ave		2145	Somerville	MA	US
666	10965097	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	carbenji84		9/1/13		14 illinois ave		2145	somerville	ma	US
667	10965101	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	carbenji1003		9/1/13		14 illinois Ave		2145	Somerville	MA	US
668	10965107	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	carbenji1004		9/1/13		14 illinois Ave		2145	Somerville	MA	US
669	10965111	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	carbenji1005		9/1/13		14 illinois Ave		2145	Somerville	MA	US
670	10965113	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	carbenji85		9/1/13		14 illinois ave		2145	somerville	ma	US
671	10965301	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	carbenji901		9/1/13		15 Illinois ave		2145	Somerville	MA	US
672	10965303	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	carbenji902		9/1/13		15 Illinois ave		2145	Somerville	MA	US
673	10965321	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	carbenji903		9/1/13		15 Illinois ave		2145	Somerville	MA	US
674	10965335	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	carbenji904		9/1/13		15 Illinois ave		2145	Somerville	MA	US
675	10965343	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	carbenji905		9/1/13		15 Illinois ave		2145	Somerville	MA	US
676	10965621	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	carbenji11005		9/1/13		15 Illinois ave		2145	Somerville	MA	US
677	10965627	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	carbenji11004		9/1/13		15 Illinois ave		2145	Somerville	MA	US
678	10965635	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	carbenji11003		9/1/13		15 Illinois ave		2145	Somerville	MA	US
679	10965691	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	carbenji11002		9/1/13		15 Illinois ave		2145	Somerville	MA	US
680	10965703	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	carbenji11001		9/1/13		15 Illinois ave		2145	Somerville	MA	US
681	10970789	Benjamin Argueta	2522900	2522900	\$ 1,973.90	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy15	12/1/76	9/2/13		14 Illinois Ave	1	2145	Somerville	MA	US
682	10971053	Benjamin Argueta	2522900	2522900	\$ 22,562.90	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan16	12/1/76	9/2/13		14 Illinois Ave	1	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_nu_mero	rep_cep	city	state_code	country_code
683	10975619	Benjamin Argueta	2522900	2522900	\$ 7,873.50	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy16	12/1/76	9/2/13		14 Illinois Ave	1	2145	Somerville	MA	US
684	10975661	Benjamin Argueta	2522900	2522900	\$ 6,348.70	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy17	12/1/76	9/2/13		14 Illinois Ave	1	2145	Somerville	MA	US
685	10975695	Benjamin Argueta	2522900	2522900	\$ (1,105.70)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy18	12/1/76	9/2/13		14 Illinois Ave	1	2145	Somerville	MA	US
686	10975775	Benjamin Argueta	2522900	2522900	\$ (1,155.60)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy19	12/1/76	9/2/13		14 Illinois Ave	1	2145	Somerville	MA	US
687	10975803	Benjamin Argueta	2522900	2522900	\$ (1,125.60)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy20	12/1/76	9/2/13		14 Illinois Ave	1	2145	Somerville	MA	US
688	10976371	Benjamin Argueta	2522900	2522900	\$ (1,165.70)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy21	12/1/76	9/2/13		14 Illinois Ave	1	2145	Somerville	MA	US
689	10976413	Benjamin Argueta	2522900	2522900	\$ (1,125.60)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy22	12/1/76	9/2/13		14 Illinois Ave	1	2145	Somerville	MA	US
690	10976481	Benjamin Argueta	2522900	2522900	\$ (1,125.60)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy23	12/1/76	9/2/13		14 Illinois Ave	1	2145	Somerville	MA	US
691	10976581	Benjamin Argueta	2522900	2522900	\$ (1,125.60)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy24	12/1/76	9/2/13		14 Illinois Ave	1	2145	Somerville	MA	US
692	10976619	Benjamin Argueta	2522900	2522900	\$ (926.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy25	12/1/76	9/2/13		14 Illinois Ave	1	2145	Somerville	MA	US
693	10977087	Benjamin Argueta	2522900	2522900	\$ (149.70)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan001		9/2/13		14 Illinois Ave	1	2145	Somerville	MA	US
694	10979307	Benjamin Argueta	2522900	2522900	\$ (149.70)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan161		9/2/13		14 illinois ave		2145	somerville	MA	US
695	10979333	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan162		9/2/13		14 illinois ave		2145	somerville	MA	US
696	10979353	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan163		9/2/13		14 illinois ave		2145	somerville	MA	US
697	10979365	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan164		9/2/13		14 illinois ave		2145	somerville	MA	US
698	10979373	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	sheilan165		9/2/13		14 illinois ave		2145	somerville	MA	US
699	10979429	Benjamin Argueta	2522900	2522900	\$ (149.70)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy161		9/2/13		14 illinois ave		2145	somerville	MA	US
700	10979435	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy162		9/2/13		14 illinois ave		2145	somerville	MA	US
701	10979453	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy163		9/2/13		14 illinois ave		2145	somerville	MA	US
702	10979467	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy164		9/2/13		14 illinois ave		2145	somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
703	10979485	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy165		9/2/13		14 illinois ave		2145	somerville	MA	US
704	10979551	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy171		9/2/13		14 illinois ave		2145	somerville	MA	US
705	10979561	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy172		9/2/13		14 illinois ave		2145	somerville	MA	US
706	10979589	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy173		9/2/13		14 illinois ave		2145	somerville	MA	US
707	10979607	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy174		9/2/13		14 illinois ave		2145	somerville	MA	US
708	10979623	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy175		9/2/13		14 illinois ave		2145	somerville	MA	US
709	10979663	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy181		9/2/13		14 illinois ave		2145	somerville	MA	US
710	10979675	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy182		9/2/13		14 illinois ave		2145	somerville	MA	US
711	10979693	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy183		9/2/13		14 illinois ave		2145	somerville	MA	US
712	10979719	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy184		9/2/13		14 illinois ave		2145	somerville	MA	US
713	10979757	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy185		9/2/13		14 illinois ave		2145	somerville	MA	US
714	10979811	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy191		9/2/13		14 illinois ave		2145	somerville	MA	US
715	10979869	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy192		9/2/13		14 illinois ave		2145	somerville	MA	US
716	10979885	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy193		9/2/13		14 illinois ave		2145	somerville	MA	US
717	10979915	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy194		9/2/13		14 illinois ave		2145	somerville	MA	US
718	10979967	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy195		9/2/13		14 illinois ave		2145	somerville	MA	US
719	10980025	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy201		9/2/13		14 illinois ave		2145	somerville	MA	US
720	10980049	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy202		9/2/13		14 illinois ave		2145	somerville	MA	US
721	10980085	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy203		9/2/13		14 illinois ave		2145	somerville	ma	US
722	10980107	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy204		9/2/13		14 illinois ave		2145	somerville	ma	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
723	10980137	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy205		9/2/13		14 illinois ave		2145	somerville	MA	US
724	10980175	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy211		9/2/13		14 illinois ave		2145	somerville	ma	US
725	10980211	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy212		9/2/13		14 illinois ave		2145	somerville	MA	US
726	10980273	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy213		9/2/13		14 illinois ave		2145	Somerville	MA	US
727	10980297	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy214		9/2/13		14 illinois ave		2145	Somerville	MA	US
728	10980353	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy215		9/2/13		14 illinois ave		2145	Somerville	MA	US
729	10980433	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy221		9/2/13		14 illinois ave		2145	Somerville	MA	US
730	10980517	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy222		9/2/13		14 illinois ave		2145	somerville	MA	US
731	10980563	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy223		9/2/13		14 illinois ave		2145	somerville	MA	US
732	10980577	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy224		9/2/13		14 illinois ave		2145	somerville	MA	US
733	10980601	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy225		9/2/13		14 illinois ave		2145	somerville	MA	US
734	10980663	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy231		9/2/13		14 illinois ave		2145	somerville	MA	US
735	10980685	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy232		9/2/13		14 illinois ave		2145	somerville	MA	US
736	10980711	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy233		9/2/13		14 illinois ave		2145	somerville	MA	US
737	10980727	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy234		9/2/13		14 illinois ave		2145	somerville	MA	US
738	10980743	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy235		9/2/13		14 illinois ave		2145	somerville	MA	US
739	10980785	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy241		9/2/13		14 illinois ave		2145	somerville	MA	US
740	10980807	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy242		9/2/13		14 illinois ave		2145	somerville	MA	US
741	10980835	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy243		9/2/13		14 illinois ave		2145	somerville	MA	US
742	10980863	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy244		9/2/13		14 illinois ave		2145	somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
743	10980897	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy245		9/2/13		14 illinois ave		2145	somerville	MA	US
744	10980917	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy251		9/2/13		14 illinois ave		2145	somerville	ma	US
745	10980945	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy252		9/2/13		14 illinois ave		2145	somerville	ma	US
746	10981001	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy253		9/2/13		14 illinois ave		2145	somerville	ma	US
747	10981017	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy254		9/2/13		14 illinois ave		2145	somerville	ma	US
748	10981035	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy255		9/2/13		14 illinois ave		2145	somerville	ma	US
749	11104169	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	julisaa	1/12/76	9/11/13		14 Illinois Ave	1	2145	Somerville	MA	US
750	11104385	Benjamin Argueta	2522900	2522900	\$ (349.30)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol1301		9/11/13		14 Illinois Ave	1	2145	somerville	MA	US
751	11121641	Concepcion Argueta	6067202	4749006	\$ (149.70)	\$ (21,040.10)	\$ (19,543.10)	Telexfreeben@gmail.com	8573331035	8573331035	conchy00		9/13/13		14 Illinois ave	1	2145	Somerville	Ma	US
752	11165943	Benjamin Argueta	2522900	2522900	\$ 3,049.60	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	julisaa1	12/1/76	9/16/13		14 Illinos Ave	1	2145	Somerville	MA	US
753	11173335	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	julisaa2	12/1/76	9/17/13		14 Illinois ave	1	2145	Somerville	MA	US
754	11173455	Benjamin Argueta	2522900	2522900	\$ (1,175.50)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	julisaa3	12/1/76	9/17/13		14 Illinois ave	1	2145	Somerville	MA	US
755	11173649	Benjamin Argueta	2522900	2522900	\$ 29,797.40	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	chelino1	12/1/76	9/17/13		14 Illinois ave	1	2145	Somerville	MA	US
756	11173969	Benjamin Argueta	2522900	2522900	\$ (149.70)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	1julisaa1		9/17/13		14 Illinois av	1	2145	Somerville	Ma	US
757	11174007	Benjamin Argueta	2522900	2522900	\$ 89,747.20	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	chelino2	12/1/76	9/17/13		14 Illinois ave	1	2145	Somerville	MA	US
758	11174043	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	1chelino1		9/17/13		1		2145	Somerville	Ma	US



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_nu_mero	rep_cep	city	state_code	country_code
759	11174077	Benjamin Argueta	2522900	2522900	\$ (975.90)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	chelino3	12/1/76	9/17/13		14 Illinois ave	1	2145	Somerville	MA	US
760	11174283	Benjamin Argueta	2522900	2522900	\$ 2,495.00	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	chelino6	12/1/76	9/17/13		14 Illinois ave	1	2145	Somerville	MA	US
761	11174449	Benjamin Argueta	2522900	2522900	\$ (277.30)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	chelino4	12/1/76	9/17/13		14 Illinois ave	1	2145	Somerville	MA	US
762	11174495	Benjamin Argueta	2522900	2522900	\$ (377.10)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	chelino5	12/1/76	9/17/13		14 Illinois ave	1	2145	Somerville	MA	US
763	11174645	Benjamin Argueta	2522900	2522900	\$ 688.90	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	chelino7	12/1/76	9/17/13		14 Illinois ave	1	2145	Somerville	MA	US
764	11174681	Benjamin Argueta	2522900	2522900	\$ (256.50)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	chelino8	12/1/76	9/17/13		14 Illinois ave	1	2145	Somerville	MA	US
765	11174961	Benjamin Arguata	2522900	11174961	\$ (49.90)	\$ (49.90)	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	3julisiaa3		9/17/13		14 Illinois ave	1	2145	Somerville	Ma	US
766	11175013	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	2chelino2		9/17/13		14 Illinois av	1	2145	Somerville	Ma	US
767	11175077	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	5chelino5		9/17/13		14 Illinois Ave	1	2145	Somerville	Ma	US
768	11219105	Carlos Lopez	4795390	11219105	\$ (626.60)	\$ (4,427.40)	\$ (10,274.40)	telexfreeben@gmail.com	7812198956	7812198956	vasquez48	5/28/53	9/20/13		79 floral ave	0	2148	Malden	MA	US
769	11219365	Carlos Lopez	4795390	11219105	\$ (786.00)	\$ (4,427.40)	\$ (10,274.40)	telexfreeben@gmail.com	7812198956	7812198956	vasquez49	5/28/53	9/20/13		79 floral ave	0	2148	Malden	MA	US
770	11222229	Jose Roberto Quijada Posada	11219817	11219817	\$ (49.90)	\$ (4,606.80)	\$ (3,658.70)	telexfreeben@gmail.com	6179533968	6179533968	1even7ezer1		9/20/13		41 Heath St	#2	2145	Everett	MA	US
771	11254427	rodolfo	11254427	11254427	\$ (49.90)	\$ (49.90)	\$ (49.90)	telexfreeben@gmail.com	7812670959	7812670959	1chelino3		9/23/13		14 Illinois ave	1	2145	Somerville	Ma	US
772	11254497	cesi	11254497	11254497	\$ (49.90)	\$ (49.90)	\$ (49.90)	telexfreeben@gmail.com	6177084022	6177084022	1chelino6		9/23/13		14 Illinois ave	1	2145	Somerville	MA	US
773	11254541	Asencio	11254541	11254541	\$ (49.90)	\$ (49.90)	\$ (49.90)	telexfreeben@gmail.com	7812153609	7812153609	1chelino7		9/23/13		14 Illinois ave	1	2145	Somerville	Ma	US
774	11286505	Maria avelar	4697084	11286505	\$ (49.90)	\$ (49.90)	\$ (5,899.60)	Telexfreeben@gmail.com	8573891413	8573891413	1mrzavelar		9/25/13		104broadway	1	2145	Somerville	Ma	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
775	11292279	Carla Lopez	4795390	11292279	\$ (49.90)	\$ (49.90)	\$ (10,274.40)	Telexfreeben@gmail.com	8573331232	8573331232	1conchy		9/25/13		104 Broadway	1	2145	Somerville	Ma	US
776	11292429	Roxana Melara	10837687	10837687	\$ (49.90)	\$ (7,813.90)	\$ (4,415.00)	Telexfreeben@gmail.com	7815028369	7815028369	01conchy		9/25/13		104 Broadway	1	2145	Somerville	Ma	US
777	11352329	Celio De Oliveira Sousa	11352329	11352329	\$ 192.60	\$ (41,568.80)	\$ (41,668.60)	telexfreeben@gmail.com	8579912353	8579912353	celioos1	5/2/76	9/29/13		965 Fellsway	5	2155	Medford	MA	US
778	11352471	Celio De Oliveira Sousa	11352329	11352329	\$ (826.20)	\$ (41,568.80)	\$ (41,668.60)	telexfreeben@gmail.com	8579912353	8579912353	celioos2	5/2/76	9/29/13		965 Fellsway	5	2155	Medford	MA	US
779	11352529	Celio De Oliveira Sousa	11352329	11352329	\$ (926.00)	\$ (41,568.80)	\$ (41,668.60)	telexfreeben@gmail.com	8579912353	8579912353	celioos3	5/2/76	9/29/13		965 Fellsway	5	2155	Medford	MA	US
780	11352553	Celio De Oliveira Sousa	11352329	11352329	\$ (1,425.00)	\$ (41,568.80)	\$ (41,668.60)	telexfreeben@gmail.com	8579912353	8579912353	celioos4	5/2/76	9/29/13		965 Fellsway	5	2155	Medford	MA	US
781	11352585	Celio De Oliveira Sousa	11352329	11352329	\$ (1,025.80)	\$ (41,568.80)	\$ (41,668.60)	telexfreeben@gmail.com	8579912353	8579912353	celioos5	5/2/76	9/29/13		965 Fellsway	5	2155	Medford	MA	US
782	11352959	Celio De Oliveira Sousa	11352329	11352329	\$ (1,425.00)	\$ (41,568.80)	\$ (41,668.60)	telexfreeben@gmail.com	8579912353	8579912353	celioos6	5/2/76	9/29/13		965 Fellsway	5	2155	Medford	MA	US
783	11353075	Celio De Oliveira Sousa	11352329	11352329	\$ (1,425.00)	\$ (41,568.80)	\$ (41,668.60)	telexfreeben@gmail.com	8579912353	8579912353	celioos7	5/2/76	9/29/13		965 Fellsway	5	2155	Medford	MA	US
784	11353129	Celio De Oliveira Sousa	11352329	11352329	\$ (1,425.00)	\$ (41,568.80)	\$ (41,668.60)	telexfreeben@gmail.com	8579912353	8579912353	celioos8	5/2/76	9/29/13		965 Fellsway	5	2155	Medford	MA	US
785	11353151	Celio De Oliveira Sousa	11352329	11352329	\$ (1,425.00)	\$ (41,568.80)	\$ (41,668.60)	telexfreeben@gmail.com	8579912353	8579912353	celioos9	5/2/76	9/29/13		965 Fellsway	5	2155	Medford	MA	US
786	11353189	Celio De Oliveira Sousa	11352329	11352329	\$ (1,425.00)	\$ (41,568.80)	\$ (41,668.60)	telexfreeben@gmail.com	8579912353	8579912353	celioos10	5/2/76	9/29/13		965 Fellsway	5	2155	Medford	MA	US
787	11353237	Celio De Oliveira Sousa	11352329	11352329	\$ (1,425.00)	\$ (41,568.80)	\$ (41,668.60)	telexfreeben@gmail.com	8579912353	8579912353	celioos11	5/2/76	9/29/13		965 Fellsway	5	2155	Medford	MA	US
788	11354731	Celio De Oliveira Sousa	11352329	11352329	\$ (99.80)	\$ (41,568.80)	\$ (41,668.60)	telexfreeben@gmail.com	8579912353	8579912353	1celioos1		9/30/13		965 Fellway	5	2155	Medford	MA	US
789	11398049	Karla Lopez	4795390	11010125	\$ (49.90)	\$ (4,225.10)	\$ (10,274.40)	Telexfreeben@gmail.com	8573331232	8573331232	00kmartz86		10/2/13		104 Broadway	1	2145	Somerville	Ma	US
790	11403041	Celio Sousa	11352329	11352329	\$ (49.90)	\$ (41,568.80)	\$ (41,668.60)	telexfreeben@gmail.com	8579912353	8579912353	2celioos1		10/2/13		965 fellsway	5	2155	Medford	Ma	US
791	11422999	jose roberto quijada posada	11219817	11219817	\$ (99.80)	\$ (4,606.80)	\$ (3,658.70)	telexfreeben@gmail.com	6179533968	6179533968	1even7evezer2		10/3/13		41 heat st	2	2149	Everett	ma	US
792	11489723	Benjamin Argueta	2522900	2522900	\$ 5,999.40	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy26	12/1/76	10/8/13		14 Illinois ave	1	2145	Somerville	MA	US
793	11490337	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	Telexfreeben@gmail.com	8573331035	8573331035	sheilan1001		10/8/13		14 Illinois av	1	2145	Somerville	Ma	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
794	11490649	Concepcion Argueta	6067202	11490649	\$ (49.90)	\$ (49.90)	\$ (19,543.10)	Telexfreeben@gmail.com	8573331035	8573331035	sheilan00		10/8/13		14 Illinois Av	1	2145	Somerville	Ma	US
795	11497291	Benjamin Argueta	2522900	2522900	\$ (1,025.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy27	12/1/76	10/8/13		14 Illinois ave	1	2145	Somerville	Ma	US
796	11497349	Benjamin Argueta	2522900	2522900	\$ (1,165.70)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy28	12/1/76	10/8/13		14 Illinois ave	1	2145	Somerville	Ma	US
797	11497369	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy29	12/1/76	10/8/13		14 Illinois ave	1	2145	Somerville	Ma	US
798	11497377	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy30	12/1/76	10/8/13		14 Illinois ave	1	2145	Somerville	Ma	US
799	11497383	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy31	12/1/76	10/8/13		14 Illinois ave	1	2145	Somerville	Ma	US
800	11497389	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy32	12/1/76	10/8/13		14 Illinois ave	1	2145	Somerville	Ma	US
801	11497401	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy33	12/1/76	10/8/13		14 Illinois ave	1	2145	Somerville	Ma	US
802	11497415	Benjamin Argueta	2522900	2522900	\$ (756.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy34	12/1/76	10/8/13		14 Illinois ave	1	2145	Somerville	Ma	US
803	11497427	Benjamin Argueta	2522900	2522900	\$ (1,375.10)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy35	12/1/76	10/8/13		14 Illinois ave	1	2145	Somerville	Ma	US
804	11498433	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	Telexfreeben@gmail.com	8573331035	8573331035	conchy261		10/8/13		14 Illinois Ave	1	2145	Somerville	MA	US
805	11498439	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	Telexfreeben@gmail.com	8573331035	8573331035	conchy262		10/8/13		14 Illinois Ave	1	2145	Somerville	MA	US
806	11498449	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	Telexfreeben@gmail.com	8573331035	8573331035	conchy263		10/8/13		14 Illinois Ave	1	2145	Somerville	MA	US
807	11498455	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	Telexfreeben@gmail.com	8573331035	8573331035	conchy264		10/8/13		14 Illinois Ave	1	2145	Somerville	MA	US
808	11498463	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	Telexfreeben@gmail.com	8573331035	8573331035	conchy265		10/8/13		14 Illinois Ave	1	2145	Somerville	MA	US
809	11498625	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	Telexfreeben@gmail.com	8573331035	8573331035	conchy271		10/8/13		14 Illinois Av	1	2145	Somerville	MA	US
810	11498655	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	Telexfreeben@gmail.com	8573331035	8573331035	conchy272		10/8/13		14 Illinois Av	1	2145	Somerville	MA	US
811	11498669	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	Telexfreeben@gmail.com	8573331035	8573331035	conchy273		10/8/13		14 Illinois Av	1	2145	Somerville	MA	US
812	11498693	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	Telexfreeben@gmail.com	8573331035	8573331035	conchy274		10/8/13		14 Illinois Av	1	2145	Somerville	MA	US
813	11498699	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	Telexfreeben@gmail.com	8573331035	8573331035	conchy275		10/8/13		14 Illinois Av	1	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
814	11498829	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	Telexfreeben@gmail.com	8573331035	8573331035	conchy281		10/8/13		14 Illinois Av	1	2145	Somerville	MA	US
815	11498837	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	Telexfreeben@gmail.com	8573331035	8573331035	conchy282		10/8/13		14 Illinois Av	1	2145	Somerville	MA	US
816	11498841	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	Telexfreeben@gmail.com	8573331035	8573331035	conchy283		10/8/13		14 Illinois Av	1	2145	Somerville	MA	US
817	11498867	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	Telexfreeben@gmail.com	8573331035	8573331035	conchy284		10/8/13		14 Illinois Av	1	2145	Somerville	MA	US
818	11498881	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	Telexfreeben@gmail.com	8573331035	8573331035	conchy285		10/8/13		14 Illinois Av	1	2145	Somerville	MA	US
819	11498967	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	Telexfreeben@gmail.com	8573331035	8573331035	conchy291		10/8/13		14 Illinois Av	1	2145	Somerville	MA	US
820	11498979	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	Telexfreeben@gmail.com	8573331035	8573331035	conchy292		10/8/13		14 Illinois Av	1	2145	Somerville	MA	US
821	11498995	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	Telexfreeben@gmail.com	8573331035	8573331035	conchy293		10/8/13		14 Illinois Av	1	2145	Somerville	MA	US
822	11499009	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	Telexfreeben@gmail.com	8573331035	8573331035	conchy294		10/8/13		14 Illinois Av	1	2145	Somerville	MA	US
823	11499015	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	Telexfreeben@gmail.com	8573331035	8573331035	conchy295		10/8/13		14 Illinois Av	1	2145	Somerville	MA	US
824	11499185	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	Telexfreeben@gmail.com	8573331035	8573331035	conchy301		10/8/13		14 Illinois Av	1	2145	Somerville	MA	US
825	11499203	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	Telexfreeben@gmail.com	8573331035	8573331035	conchy302		10/8/13		14 Illinois Av	1	2145	Somerville	MA	US
826	11499211	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	Telexfreeben@gmail.com	8573331035	8573331035	conchy303		10/8/13		14 Illinois Av	1	2145	Somerville	MA	US
827	11499225	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	Telexfreeben@gmail.com	8573331035	8573331035	conchy304		10/8/13		14 Illinois Av	1	2145	Somerville	MA	US
828	11499239	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	Telexfreeben@gmail.com	8573331035	8573331035	conchy305		10/8/13		14 Illinois Av	1	2145	Somerville	MA	US
829	11499359	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	Telexfreeben@gmail.com	8573331035	8573331035	conchy311		10/8/13		14 Illinois Av	1	2145	Somerville	MA	US
830	11499373	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	Telexfreeben@gmail.com	8573331035	8573331035	conchy312		10/8/13		14 Illinois Av	1	2145	Somerville	MA	US
831	11499389	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	Telexfreeben@gmail.com	8573331035	8573331035	conchy313		10/8/13		14 Illinois Av	1	2145	Somerville	MA	US
832	11499401	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	Telexfreeben@gmail.com	8573331035	8573331035	conchy314		10/8/13		14 Illinois Av	1	2145	Somerville	MA	US
833	11499411	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	Telexfreeben@gmail.com	8573331035	8573331035	conchy315		10/8/13		14 Illinois Av	1	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
834	11499503	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	Telexfreeben@gmail.com	8573331035	8573331035	conchy321		10/8/13		14 Illinois Av	1	2145	Somerville	MA	US
835	11499515	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	Telexfreeben@gmail.com	8573331035	8573331035	conchy322		10/8/13		14 Illinois Av	1	2145	Somerville	MA	US
836	11499527	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	Telexfreeben@gmail.com	8573331035	8573331035	conchy323		10/8/13		14 Illinois Av	1	2145	Somerville	MA	US
837	11499539	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	Telexfreeben@gmail.com	8573331035	8573331035	conchy324		10/8/13		14 Illinois Av	1	2145	Somerville	MA	US
838	11499555	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	Telexfreeben@gmail.com	8573331035	8573331035	conchy325		10/8/13		14 Illinois Av	1	2145	Somerville	MA	US
839	11499649	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	Telexfreeben@gmail.com	8573331035	8573331035	conchy331		10/8/13		14 Illinois Av	1	2145	Somerville	MA	US
840	11499663	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	Telexfreeben@gmail.com	8573331035	8573331035	conchy332		10/8/13		14 Illinois Av	1	2145	Somerville	MA	US
841	11499669	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	Telexfreeben@gmail.com	8573331035	8573331035	conchy333		10/8/13		14 Illinois Av	1	2145	Somerville	MA	US
842	11499675	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	Telexfreeben@gmail.com	8573331035	8573331035	conchy334		10/8/13		14 Illinois Av	1	2145	Somerville	MA	US
843	11499691	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	Telexfreeben@gmail.com	8573331035	8573331035	conchy335		10/8/13		14 Illinois Av	1	2145	Somerville	MA	US
844	11499783	Concepcion Argueta	6067202	4749006	\$ (149.70)	\$ (21,040.10)	\$ (19,543.10)	Telexfreeben@gmail.com	8573331035	8573331035	conchy341		10/8/13		14 Illinois Av	1	2145	Somerville	MA	US
845	11499791	Concepcion Argueta	6067202	4749006	\$ (99.80)	\$ (21,040.10)	\$ (19,543.10)	Telexfreeben@gmail.com	8573331035	8573331035	conchy342		10/8/13		14 Illinois Av	1	2145	Somerville	MA	US
846	11499809	Concepcion Argueta	6067202	4749006	\$ (99.80)	\$ (21,040.10)	\$ (19,543.10)	Telexfreeben@gmail.com	8573331035	8573331035	conchy343		10/8/13		14 Illinois Av	1	2145	Somerville	MA	US
847	11499813	Concepcion Argueta	6067202	4749006	\$ (99.80)	\$ (21,040.10)	\$ (19,543.10)	Telexfreeben@gmail.com	8573331035	8573331035	conchy344		10/8/13		14 Illinois Av	1	2145	Somerville	MA	US
848	11499823	Concepcion Argueta	6067202	4749006	\$ (99.80)	\$ (21,040.10)	\$ (19,543.10)	Telexfreeben@gmail.com	8573331035	8573331035	conchy345		10/8/13		14 Illinois Av	1	2145	Somerville	MA	US
849	11500003	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	Telexfreeben@gmail.com	8573331035	8573331035	conchy352		10/8/13		14 Illinois Av	1	2145	Somerville	MA	US
850	11500011	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	Telexfreeben@gmail.com	8573331035	8573331035	conchy353		10/8/13		14 Illinois Av	1	2145	Somerville	MA	US
851	11500025	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	Telexfreeben@gmail.com	8573331035	8573331035	conchy354		10/8/13		14 Illinois Av	1	2145	Somerville	MA	US
852	11500045	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	Telexfreeben@gmail.com	8573331035	8573331035	conchy355		10/8/13		14 Illinois Av	1	2145	Somerville	MA	US
853	11502789	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino401		10/9/13		14 Illinois ave	1	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_nu_mero	rep_cep	city	state_code	country_code
854	11502859	Benjamin Argueta	2522900	2522900	\$ (1,175.50)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino9	12/1/76	10/9/13		14 Illinois ave		2145	Somerville	MA	US
855	11502865	Benjamin Argueta	2522900	2522900	\$ (876.10)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino10	12/1/76	10/9/13		14 Illinois ave		2145	Somerville	MA	US
856	11502889	Benjamin Argueta	2522900	2522900	\$ (1,175.50)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino11	12/1/76	10/9/13		14 Illinois ave		2145	Somerville	MA	US
857	11502899	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino12	12/1/76	10/9/13		14 Illinois ave		2145	Somerville	MA	US
858	11502921	Benjamin Argueta	2522900	2522900	\$ (1,275.30)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino13	12/1/76	10/9/13		14 Illinois ave		2145	Somerville	MA	US
859	11502929	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino14	12/1/76	10/9/13		14 Illinois ave		2145	Somerville	MA	US
860	11502935	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino15	12/1/76	10/9/13		14 Illinois ave		2145	Somerville	MA	US
861	11502947	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino16	12/1/76	10/9/13		14 Illinois ave		2145	Somerville	MA	US
862	11502953	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino17	12/1/76	10/9/13		14 Illinois ave		2145	Somerville	MA	US
863	11502963	Benjamin Argueta	2522900	2522900	\$ (1,275.30)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino18	12/1/76	10/9/13		14 Illinois ave		2145	Somerville	MA	US
864	11516465	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino402		10/9/13		14 illinois ave	1	2145	somerville	ma	US
865	11516467	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino403		10/9/13		14 illinois ave	1	2145	somerville	ma	US
866	11516475	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino404		10/9/13		14 illinois ave	1	2145	somerville	ma	US
867	11516483	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino405		10/9/13		14 illinois ave	1	2145	somerville	ma	US
868	11516571	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino901		10/9/13		14 illinois ave	1	2145	somerville	ma	US
869	11516581	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino902		10/9/13		14 illinois ave	1	2145	somerville	ma	US
870	11516613	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino903		10/9/13		14 illinois ave	1	2145	somerville	ma	US
871	11516623	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino904		10/9/13		14 illinois ave	1	2145	somerville	ma	US
872	11516631	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino905		10/9/13		14 illinois ave	1	2145	somerville	ma	US
873	11516713	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino1001		10/9/13		14 illinois ave	1	2145	somerville	ma	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
874	11516719	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino1002		10/9/13		14 illinois ave	1	2145	somerville	ma	US
875	11516735	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino1003		10/9/13		14 illinois ave	1	2145	somerville	ma	US
876	11516773	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino1004		10/9/13		14 illinois ave	1	2145	somerville	ma	US
877	11516785	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino1005		10/9/13		14 illinois ave	1	2145	somerville	ma	US
878	11516829	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino1801		10/9/13		14 Illinois ave		2145	Somerville	MA	US
879	11516831	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino1101		10/9/13		14 illinois ave	1	2145	somerville	ma	US
880	11516835	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino1102		10/9/13		14 illinois ave	1	2145	somerville	ma	US
881	11516841	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino1802		10/9/13		14 Illinois ave		2145	Somerville	MA	US
882	11516843	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino1103		10/9/13		14 illinois ave	1	2145	somerville	ma	US
883	11516855	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino1104		10/9/13		14 illinois ave	1	2145	somerville	ma	US
884	11516865	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino1105		10/9/13		14 illinois ave	1	2145	somerville	ma	US
885	11516889	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino1803		10/9/13		14 Illinois ave		2145	Somerville	MA	US
886	11516899	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino1804		10/9/13		14 Illinois ave		2145	Somerville	MA	US
887	11516921	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino1805		10/9/13		14 Illinois ave		2145	Somerville	MA	US
888	11516977	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino1201		10/9/13		14 illinois ave	1	2145	somerville	ma	US
889	11516985	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino1202		10/9/13		14 illinois ave	1	2145	somerville	ma	US
890	11516989	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino1203		10/9/13		14 illinois ave	1	2145	somerville	ma	US
891	11516993	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino1204		10/9/13		14 illinois ave	1	2145	somerville	ma	US
892	11517001	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino1205		10/9/13		14 illinois ave	1	2145	somerville	ma	US
893	11517015	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino1701		10/9/13		14 Illinois ave		2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
894	11517043	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino1702		10/9/13		14 Illinois ave		2145	Somerville	MA	US
895	11517049	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino1301		10/9/13		14 illinois ave	1	2145	somerville	ma	US
896	11517055	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino1703		10/9/13		14 Illinois ave		2145	Somerville	MA	US
897	11517063	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino1302		10/9/13		14 illinois ave	1	2145	somerville	ma	US
898	11517077	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino1303		10/9/13		14 illinois ave	1	2145	somerville	ma	US
899	11517085	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino1304		10/9/13		14 illinois ave	1	2145	somerville	ma	US
900	11517087	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino1704		10/9/13		14 Illinois ave		2145	Somerville	MA	US
901	11517103	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino1305		10/9/13		14 illinois ave	1	2145	somerville	ma	US
902	11517113	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino1705		10/9/13		14 Illinois ave		2145	Somerville	MA	US
903	11517161	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino1401		10/9/13		14 illinois ave	1	2145	somerville	ma	US
904	11517169	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino1402		10/9/13		14 illinois ave	1	2145	somerville	ma	US
905	11517183	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino1403		10/9/13		14 illinois ave	1	2145	somerville	ma	US
906	11517191	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino1404		10/9/13		14 illinois ave	1	2145	somerville	ma	US
907	11517201	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino1405		10/9/13		14 illinois ave	1	2145	somerville	ma	US
908	11517311	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino1501		10/9/13		14 illinois ave	1	2145	somerville	ma	US
909	11517313	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino1502		10/9/13		14 illinois ave	1	2145	somerville	ma	US
910	11517321	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino1503		10/9/13		14 illinois ave	1	2145	somerville	ma	US
911	11517325	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino1504		10/9/13		14 illinois ave	1	2145	somerville	ma	US
912	11517329	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino1505		10/9/13		14 illinois ave	1	2145	somerville	ma	US
913	11517747	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino1601		10/9/13		14 Illinois ave		2145	Somerville	MA	US



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_nu_mero	rep_cep	city	state_code	country_code
914	11517765	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino1602		10/9/13		14 Illinois ave		2145	Somerville	MA	US
915	11517771	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino1603		10/9/13		14 Illinois ave		2145	Somerville	MA	US
916	11517785	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino1604		10/9/13		14 Illinois ave		2145	Somerville	MA	US
917	11517795	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino1605		10/9/13		14 Illinois ave		2145	Somerville	MA	US
918	11528121	Velma Garcia	4982440	11528121	\$ (49.90)	\$ (49.90)	\$ (99.80)	Telexfreeben@gmail.com	8572513705	8572513705	conchy001		10/10/13		104 Broadway	1	2145	Somerville	MA	US
919	11533377	Ana Guevara	4827432	4827432	\$ (49.90)	\$ (249.50)	\$ (249.50)	Telexfreeben@gmail.com	8572513568	8572513568	conchy002		10/10/13		104 Broadway		2145	Somerville	MA	US
920	11559543	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	mayas1	12/1/76	10/12/13		14 Illinois ave	1	2145	Somerville	MA	US
921	11559613	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas101		10/12/13		14 Illinois ave	1	2145	Somerville	MA	US
922	11559663	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	mayas2	12/1/76	10/12/13		14 Illinois ave	1	2145	Somerville	MA	US
923	11559671	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	mayas3	12/1/76	10/12/13		14 Illinois ave	1	2145	Somerville	MA	US
924	11559677	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	mayas4	12/1/76	10/12/13		14 Illinois ave	1	2145	Somerville	MA	US
925	11559685	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	mayas5	12/1/76	10/12/13		14 Illinois ave	1	2145	Somerville	MA	US
926	11559701	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	mayas6	12/1/76	10/12/13		14 Illinois ave	1	2145	Somerville	MA	US
927	11559713	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	mayas7	12/1/76	10/12/13		14 Illinois ave	1	2145	Somerville	MA	US
928	11559723	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	mayas8	12/1/76	10/12/13		14 Illinois ave	1	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
929	11559733	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	mayas9	12/1/76	10/12/13		14 Illinois ave	1	2145	Somerville	MA	US
930	11559737	Benjamin Argueta	2522900	2522900	\$ (1,175.50)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	mayas10	12/1/76	10/12/13		14 Illinois ave	1	2145	Somerville	MA	US
931	11559747	Benjamin Argueta	2522900	2522900	\$ (1,325.20)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	mayas11	12/1/76	10/12/13		14 Illinois ave	1	2145	Somerville	MA	US
932	11565827	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	chelino601		10/12/13		14 Illinois Av		MA	Somerville	1	US
933	11565849	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	chelino602		10/12/13		14 Illinois Av		MA	Somerville	1	US
934	11565871	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	chelino603		10/12/13		14 Illinois Av		MA	Somerville	1	US
935	11565895	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	chelino6034		10/12/13		14 Illinois Av		MA	Somerville	1	US
936	11566335	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	chelino701		10/12/13		14 Illinois Av	1	2145	Somerville	MA	US
937	11566347	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	chelino702		10/12/13		14 Illinois Av	1	2145	Somerville	MA	US
938	11566365	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	chelino703		10/12/13		14 Illinois Av	1	2145	Somerville	MA	US
939	11566377	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	chelino704		10/12/13		14 Illinois Av	1	2145	Somerville	MA	US
940	11566485	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	chelino801		10/12/13		14 Illinois Av	1	2145	Somerville	MA	US
941	11566503	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	chelino802		10/12/13		14 Illinois Av	1	2145	Somerville	MA	US
942	11566517	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	chelino803		10/12/13		14 Illinois Av	1	2145	Somerville	MA	US
943	11566547	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	chelino804		10/12/13		14 Illinois Av	1	2145	Somerville	MA	US
944	11566559	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	chelino805		10/12/13		14 Illinois Av	1	2145	Somerville	MA	US
945	11566701	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	chelino301		10/12/13		14 Illinois Av	1	2145	Somerville	MA	US
946	11566715	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	chelino302		10/12/13		14 Illinois Av	1	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
947	11566737	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	chelino303		10/12/13		14 Illinois Av	1	2145	Somerville	MA	US
948	11566757	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	chelino304		10/12/13		14 Illinois Av	1	2145	Somerville	MA	US
949	11566855	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	minchito101		10/12/13		14 Illinois Av	1	2145	Somerville	MA	US
950	11566959	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	mayasol1002		10/12/13		14 Illinois Av	1	2145	Somerville	MA	US
951	11566969	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	mayasol1003		10/12/13		14 Illinois Av	1	2145	Somerville	MA	US
952	11566993	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	mayasol1004		10/12/13		14 Illinois Av	1	2145	Somerville	MA	US
953	11567007	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	mayasol1005		10/12/13		14 Illinois Av	1	2145	Somerville	MA	US
954	11567799	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	mincho00		10/12/13		14 Illinois Av	1	2145	Somerville	MA	US
955	11568409	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	chelino19	12/1/76	10/12/13		14 illinois ave	1	2145	Somerville	MA	US
956	11568643	Benjamin Argueta	2522900	2522900	\$ (1,175.50)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	chelino20	12/1/76	10/12/13		14 illinois ave	1	2145	Somerville	MA	US
957	11568657	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	chelino21	12/1/76	10/12/13		14 illinois ave	1	2145	Somerville	MA	US
958	11568689	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	chelino22	12/1/76	10/12/13		14 illinois ave	1	2145	Somerville	MA	US
959	11568707	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	chelino23	12/1/76	10/12/13		14 illinois ave	1	2145	Somerville	MA	US
960	11568719	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	chelino24	12/1/76	10/12/13		14 illinois ave	1	2145	Somerville	MA	US
961	11568741	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	chelino25	12/1/76	10/12/13		14 illinois ave	1	2145	Somerville	MA	US
962	11568765	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	chelino26	12/1/76	10/12/13		14 illinois ave	1	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
963	11568773	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	chelino27	12/1/76	10/12/13		14 illinois ave	1	2145	Somerville	MA	US
964	11568821	Benjamin Argueta	2522900	2522900	\$ (1,275.30)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	chelino28	12/1/76	10/12/13		14 illinois ave	1	2145	Somerville	MA	US
965	11568937	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	chelino29	12/1/76	10/12/13		14 illinois ave	1	2145	Somerville	MA	US
966	11569019	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	chelino30	12/1/76	10/12/13		14 illinois ave	1	2145	Somerville	MA	US
967	11569027	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	chelino31	12/1/76	10/12/13		14 illinois ave	1	2145	Somerville	MA	US
968	11569061	Benjamin Argueta	2522900	2522900	\$ (1,175.50)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	chelino32	12/1/76	10/12/13		14 illinois ave	1	2145	Somerville	MA	US
969	11569077	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	chelino33	12/1/76	10/12/13		14 illinois ave	1	2145	Somerville	MA	US
970	11569091	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	chelino34	12/1/76	10/12/13		14 illinois ave	1	2145	Somerville	MA	US
971	11569111	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	chelino35	12/1/76	10/12/13		14 illinois ave	1	2145	Somerville	MA	US
972	11569133	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	chelino36	12/1/76	10/12/13		14 illinois ave	1	2145	Somerville	MA	US
973	11569153	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	chelino37	12/1/76	10/12/13		14 illinois ave	1	2145	Somerville	MA	US
974	11569163	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	chelino38	12/1/76	10/12/13		14 illinois ave	1	2145	Somerville	MA	US
975	11569933	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	chelino39	12/1/76	10/12/13		14 illinois ave		2145		1 MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
976	11569973	Benjamin Argueta	2522900	2522900	\$ (1,275.30)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	chelino40	12/1/76	10/12/13		14 illinois ave		2145	1	MA	US
977	11569981	Benjamin Argueta	2522900	2522900	\$ (1,325.20)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	chelino41	12/1/76	10/12/13		14 illinois ave		2145	1	MA	US
978	11569995	Benjamin Argueta	2522900	2522900	\$ (1,275.30)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	chelino42	12/1/76	10/12/13		14 illinois ave		2145	1	MA	US
979	11570017	Benjamin Argueta	2522900	2522900	\$ (1,275.30)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	chelino43	12/1/76	10/12/13		14 illinois ave		2145	1	MA	US
980	11570069	Benjamin Argueta	2522900	2522900	\$ (1,275.30)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	chelino44	12/1/76	10/12/13		14 illinois ave		2145	1	MA	US
981	11570085	Benjamin Argueta	2522900	2522900	\$ (1,275.30)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	chelino45	12/1/76	10/12/13		14 illinois ave		2145	1	MA	US
982	11570103	Benjamin Argueta	2522900	2522900	\$ (1,325.20)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	chelino46	12/1/76	10/12/13		14 illinois ave		2145	1	MA	US
983	11572451	Benjamin Argueta	2522900	2522900	\$ (695.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	minchitoa2	11/1/76	10/12/13		14 Illinois Av	1	2145	Somerville	MA	US
984	11573489	Benjamin Argueta	2522900	2522900	\$ (1,275.30)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	chelino47	12/1/76	10/12/13		14 Illinois Ave	1	2145	somerville	ma	US
985	11573499	Benjamin Argueta	2522900	2522900	\$ (1,275.30)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	chelino48	12/1/76	10/12/13		14 Illinois Ave	1	2145	somerville	ma	US
986	11574051	Benjamin Argueta	2522900	2522900	\$ (526.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	lizet1	12/1/76	10/12/13		14 Illinois ave	1	2145	Somerville	MA	US
987	11574153	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	lizet101		10/12/13		14 Illinois ave	1	2145	Somerville	Ma	US
988	11574165	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	lizet102		10/12/13		14 Illinois ave	1	2145	Somerville	Ma	US
989	11574171	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	lizet103		10/12/13		14 Illinois ave	1	2145	Somerville	Ma	US
990	11574179	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	lizet104		10/12/13		14 Illinois ave	1	2145	Somerville	Ma	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
991	11574187	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	lizet105		10/12/13		14 Illinois ave	1	2145	Somerville	Ma	US
992	11574299	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	lizet2	12/1/76	10/12/13		14 Illinois ave	1	2145	somerville		US
993	11574315	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	lizet3	12/1/76	10/12/13		14 Illinois ave	1	2145	somerville	ma	US
994	11574355	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas12	12/1/76	10/12/13		14 Illinois Ave		2145	Somerville	MA	US
995	11574363	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	lizet5	12/1/76	10/12/13		14 Illinois ave	1	2145	somerville	ma	US
996	11574375	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	lizet6	12/1/76	10/12/13		14 Illinois ave	1	2145	somerville	ma	US
997	11574397	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	lizet7	12/1/76	10/12/13		14 Illinois ave	1	2145	somerville	ma	US
998	11574419	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	lizet8	12/1/76	10/12/13		14 Illinois ave	1	2145	somerville	ma	US
999	11574533	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	lizet9	12/1/76	10/12/13		14 Illinois ave	1	2145	somerville	ma	US
1000	11574553	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	lizet10	12/1/76	10/12/13		14 Illinois ave	1	2145	somerville	ma	US
1001	11574607	Benjamin Argueta	2522900	2522900	\$ (1,275.30)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	lizet11	12/1/76	10/12/13		14 Illinois ave	1	2145	somerville	ma	US
1002	11574819	Benjamin Argueta	2522900	2522900	\$ 199.60	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	mayas23	12/1/76	10/12/13		14 Illinois ave	1	2125	Somerville	MA	US
1003	11575151	Benjamin Argueta	2522900	2522900	\$ (1,175.50)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	mayas24	12/1/76	10/13/13		14 Illinois Ave		2145	Somerville	MA	US
1004	11575221	Benjamin Argueta	2522900	2522900	\$ (1,275.30)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	mayas25	12/1/76	10/13/13		14 Illinois Ave		2145	Somerville	MA	US
1005	11575229	Benjamin Argueta	2522900	2522900	\$ (1,275.30)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	mayas26	12/1/76	10/13/13		14 Illinois Ave		2145	Somerville	MA	US
1006	11575237	Benjamin Argueta	2522900	2522900	\$ (1,275.30)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	mayas27	12/1/76	10/13/13		14 Illinois Ave		2145	Somerville	MA	US
1007	11575253	Benjamin Argueta	2522900	2522900	\$ (1,275.30)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	mayas28	12/1/76	10/13/13		14 Illinois Ave		2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
1008	11575255	Benjamin Argueta	2522900	2522900	\$ (1,275.30)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	mayas29	12/1/76	10/13/13		14 Illinois Ave		2145	Somerville	MA	US
1009	11575263	Benjamin Argueta	2522900	2522900	\$ (1,275.30)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	mayas30	12/1/76	10/13/13		14 Illinois Ave		2145	Somerville	MA	US
1010	11575267	Benjamin Argueta	2522900	2522900	\$ (1,275.30)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	mayas31	12/1/76	10/13/13		14 Illinois Ave		2145	Somerville	MA	US
1011	11575277	Benjamin Argueta	2522900	2522900	\$ (1,275.30)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	mayas32	12/1/76	10/13/13		14 Illinois Ave		2145	Somerville	MA	US
1012	11575281	Benjamin Argueta	2522900	2522900	\$ (1,275.30)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	mayas33	12/1/76	10/13/13		14 Illinois Ave		2145	Somerville	MA	US
1013	11575317	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	mayas34	12/1/76	10/13/13		14 Illinois Ave		2145	Somerville	MA	US
1014	11575329	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	mayas35	12/1/76	10/13/13		14 Illinois Ave		2145	Somerville	MA	US
1015	11575341	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	mayas36	12/1/76	10/13/13		14 Illinois Ave		2145	Somerville	MA	US
1016	11575345	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	mayas37	12/1/76	10/13/13		14 Illinois Ave		2145	Somerville	MA	US
1017	11575353	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	mayas38	12/1/76	10/13/13		14 Illinois Ave		2145	Somerville	MA	US
1018	11575359	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	mayas39	12/1/76	10/13/13		14 Illinois Ave		2145	Somerville	MA	US
1019	11575361	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	mayas40	12/1/76	10/13/13		14 Illinois Ave		2145	Somerville	MA	US
1020	11575379	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	mayas41	12/1/76	10/13/13		14 Illinois Ave		2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
1021	11575381	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	mayas42	12/1/76	10/13/13		14 Illinois Ave		2145	Somerville	MA	US
1022	11575383	Benjamin Argueta	2522900	2522900	\$ (1,275.30)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	mayas43	12/1/76	10/13/13		14 Illinois Ave		2145	Somerville	MA	US
1023	11595467	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas102		10/14/13		14 Illinois Av	1	2145	Somerville	MA	US
1024	11595505	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas103		10/14/13		14 Illinois Av	1	2145	Somerville	MA	US
1025	11595531	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas104		10/14/13		14 Illinois Av	1	2145	Somerville	MA	US
1026	11595549	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas105		10/14/13		14 Illinois Av	1	2145	Somerville	MA	US
1027	11633569	Benjamin Argueta	2522900	2522900	\$ (1,275.30)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	lizet4	12/1/76	10/16/13		14 Illinois ave	1	2145	Somerville	MA	US
1028	11639017	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	mayas1201		10/16/13		14 Illinois Av	1	2145	Somerville	MA	US
1029	11639041	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	mayas1202		10/16/13		14 Illinois Av	1	2145	Somerville	MA	US
1030	11639069	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	mayas1203		10/16/13		14 Illinois Av	1	2145	Somerville	MA	US
1031	11639083	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	mayas1204		10/16/13		14 Illinois Av	1	2145	Somerville	MA	US
1032	11639099	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	mayas1205		10/16/13		14 Illinois Av	1	2145	Somerville	MA	US
1033	11639249	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	mayas2301		10/16/13		14 Illinois Av	1	2145	Somerville	MA	US
1034	11639263	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	mayas2302		10/16/13		14 Illinois Av	1	2145	Somerville	MA	US
1035	11639295	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	mayas2303		10/16/13		14 Illinois Av	1	2145	Somerville	MA	US
1036	11639307	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	mayas2304		10/16/13		14 Illinois Av	1	2145	Somerville	MA	US
1037	11639325	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	mayas2305		10/16/13		14 Illinois Av	1	2145	Somerville	MA	US
1038	11639377	Benjamin Argueta	2522900	2522900	\$ (299.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas2401		10/16/13		14 Illinois Av	1	2145	Somerville	MA	US
1039	11639393	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas2402		10/16/13		14 Illinois Av	1	2145	Somerville	MA	US



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
1040	11639415	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas2403		10/16/13		14 Illinois Av	1	2145	Somerville	MA	US
1041	11639443	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas2404		10/16/13		14 Illinois Av	1	2145	Somerville	MA	US
1042	11639451	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas2405		10/16/13		14 Illinois Av	1	2145	Somerville	MA	US
1043	11654557	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	julisaa301		10/17/13		14 Illinois Av	1	2145	somerville	MA	US
1044	11685385	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	lizet201		10/18/13		14 Illinois Av	1	2145	Somerville	MA	US
1045	11685609	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	lizet202		10/18/13		14 Illinois Av	1	2145	Somerville	MA	US
1046	11685663	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	lizet203		10/18/13		14 Illinois Av	1	2145	Somerville	MA	US
1047	11685799	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	lizet204		10/18/13		14 Illinois Av	1	2145	Somerville	MA	US
1048	11685867	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	lizet205		10/18/13		14 Illinois Av	1	2145	Somerville	MA	US
1049	11686197	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	lizet301		10/18/13		14 Illinois Av	1	2145	Somerville	MA	US
1050	11686233	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	lizet302		10/18/13		14 Illinois Av	1	2145	Somerville	MA	US
1051	11686267	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	lizet303		10/18/13		14 Illinois Av	1	2145	Somerville	MA	US
1052	11686287	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	lizet304		10/18/13		14 Illinois Av	1	2145	Somerville	MA	US
1053	11686325	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	lizet305		10/18/13		14 Illinois Av	1	2145	Somerville	MA	US
1054	11686595	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	lizet401		10/18/13		14 Illinois Av	1	2145	Somerville	MA	US
1055	11686723	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	lizet402		10/18/13		14 Illinois Av	1	2145	Somerville	MA	US
1056	11686745	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	lizet403		10/18/13		14 Illinois Av	1	2145	Somerville	MA	US
1057	11686799	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	lizet404		10/18/13		14 Illinois Av	1	2145	Somerville	MA	US
1058	11686833	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	lizet405		10/18/13		14 Illinois Av	1	2145	Somerville	MA	US
1059	11687215	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	lizet501		10/18/13		14 Illinois Av	1	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
1060	11687249	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	lizet502		10/18/13		14 Illinois Av	1	2145	Somerville	MA	US
1061	11687279	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	lizet503		10/18/13		14 Illinois Av	1	2145	Somerville	MA	US
1062	11687309	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	lizet504		10/18/13		14 Illinois Av	1	2145	Somerville	MA	US
1063	11687335	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	lizet505		10/18/13		14 Illinois Av	1	2145	Somerville	MA	US
1064	11687565	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben	8572598240	8572598240	lizet601		10/18/13		14 Illinois Av	1	2145	Somern	MA	US
1065	11687657	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben	8572598240	8572598240	lizet602		10/18/13		14 Illinois Av	1	2145	Somerville	MA	US
1066	11687901	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben	8572598240	8572598240	lizet603		10/18/13		14 Illinois Av	1	2145	Somerville	MA	US
1067	11687941	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben	8572598240	8572598240	lizet604		10/18/13		14 Illinois Av	1	2145	Somerville	MA	US
1068	11687989	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	lizet605		10/18/13		14 Illinois Av	1	2145	Somerville	MA	US
1069	11689709	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	lizet701		10/18/13		14 Illinois Av	1	2145	Somerville	MA	US
1070	11689769	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	lizet702		10/18/13		14 Illinois Av	1	2145	Somerville	MA	US
1071	11689859	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	lizet703		10/18/13		14 Illinois Av	1	2145	Somerville	MA	US
1072	11689889	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	lizet704		10/18/13		14 Illinois Av	1	2145	Somerville	MA	US
1073	11689935	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	lizet705		10/18/13		14 Illinois Av	1	2145	Somerville	MA	US
1074	11690481	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino101		10/18/13		14 Illinois Av	1	2145	Somerville	MA	US
1075	11691937	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino201		10/18/13		14 Illinois Av	1	2145	Somerville	MA	US
1076	11692439	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino501		10/18/13		14 Illinois Av	1	2145	Somerville	MA	US
1077	11693225	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	lizet801		10/18/13		14 Illinois Av	1	2145	Somerville	MA	US
1078	11693261	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	lizet802		10/18/13		14 Illinois Av	1	2145	Somerville	MA	US
1079	11693301	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	lizet803		10/18/13		14 Illinois Av	1	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_nu_mero	rep_cep	city	state_code	country_code
1080	11693323	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	lizet804		10/18/13		14 Illinois Av	1	2145	Somerville	MA	US
1081	11693355	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	lizet805		10/18/13		14 Illinois Av	1	2145	Somerville	MA	US
1082	11693671	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	lizet901		10/18/13		14 Illinois Av	1	2145	Somerville	MA	US
1083	11693737	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	lizet902		10/18/13		14 Illinois Av	1	2145	Somerville	MA	US
1084	11693783	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	lizet903		10/18/13		14 Illinois Av	1	2145	Somerville	MA	US
1085	11693799	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	lizet904		10/18/13		14 Illinois Av	1	2145	Somerville	MA	US
1086	11693829	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	lizet905		10/18/13		14 Illinois Av	1	2145	Somerville	MA	US
1087	11694005	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	lizet1001		10/18/13		14 Illinois Av	1	2145	Somerville	MA	US
1088	11694027	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	lizet1002		10/18/13		14 Illinois Av	1	2145	Somerville	MA	US
1089	11694051	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	lizet1003		10/18/13		14 Illinois Av	1	2145	Somerville	MA	US
1090	11694087	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	lizet1004		10/18/13		14 Illinois Av	1	2145	Somerville	MA	US
1091	11694123	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	lizet1005		10/18/13		14 Illinois Av	1	2145	Somerville	MA	US
1092	11694335	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	lizet1101		10/18/13		14 Illinois Av	1	2145	Somerville	MA	US
1093	11694381	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	lizet1102		10/18/13		14 Illinois Av	1	2145	Somerville	MA	US
1094	11694403	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	lizet1103		10/18/13		14 Illinois Av	1	2145	Somerville	MA	US
1095	11694425	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	lizet1104		10/18/13		14 Illinois Av	1	2145	Somerville	MA	US
1096	11694463	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	lizet1105		10/18/13		14 Illinois Av	1	2145	Somerville	MA	US
1097	11767413	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino311		10/21/13		14 Illinois av	1	2145	Somerville	ma	US
1098	11767437	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino312		10/21/13		14 Illinois av	1	2145	Somerville	ma	US
1099	11767441	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino313		10/21/13		14 Illinois av	1	2145	Somerville	ma	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_nu_mero	rep_cep	city	state_code	country_code
1100	11767455	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino314		10/21/13		14 Illinois av	1	2145	Somerville	ma	US
1101	11767467	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino315		10/21/13		14 Illinois av	1	2145	Somerville	ma	US
1102	11767561	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino321		10/21/13		14 Illinois av	1	2145	Somerville	ma	US
1103	11767569	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino322		10/21/13		14 Illinois av	1	2145	Somerville	ma	US
1104	11767577	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino323		10/21/13		14 Illinois av	1	2145	Somerville	ma	US
1105	11767595	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino324		10/21/13		14 Illinois av	1	2145	Somerville	ma	US
1106	11767609	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino325		10/21/13		14 Illinois av	1	2145	Somerville	ma	US
1107	11767691	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino331		10/21/13		14 Illinois av	1	2145	Somerville	ma	US
1108	11767705	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino332		10/21/13		14 Illinois av	1	2145	Somerville	ma	US
1109	11767715	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino333		10/21/13		14 Illinois av	1	2145	Somerville	ma	US
1110	11767733	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino334		10/21/13		14 Illinois av	1	2145	Somerville	ma	US
1111	11767753	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino335		10/21/13		14 Illinois av	1	2145	Somerville	ma	US
1112	11767821	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino341		10/21/13		14 Illinois	1	2145	Somerville	ma	US
1113	11767833	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino342		10/21/13		14 Illinois	1	2145	Somerville	ma	US
1114	11767857	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino343		10/21/13		14 Illinois	1	2145	Somerville	ma	US
1115	11767865	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino344		10/21/13		14 Illinois	1	2145	Somerville	ma	US
1116	11767893	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino345		10/21/13		14 Illinois	1	2145	Somerville	ma	US
1117	11767961	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	tlxfreeben@gmail.com	8572598240	8572598240	chelino351		10/21/13		14 Illinois av	1	2145	Somerville	ma	US
1118	11767975	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	tlxfreeben@gmail.com	8572598240	8572598240	chelino352		10/21/13		14 Illinois av	1	2145	Somerville	ma	US
1119	11767991	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	tlxfreeben@gmail.com	8572598240	8572598240	chelino353		10/21/13		14 Illinois av	1	2145	Somerville	ma	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_nu_mero	rep_cep	city	state_code	country_code
1120	11768015	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	tlxfreeben@gmail.com	8572598240	8572598240	chelino354		10/21/13		14 Illinois av	1	2145	Somerville	ma	US
1121	11768029	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	tlxfreeben@gmail.com	8572598240	8572598240	chelino355		10/21/13		14 Illinois av	1	2145	Somerville	ma	US
1122	11768323	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino361		10/21/13		14 Illinois av	1	2145	Somerville	ma	US
1123	11768333	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino362		10/21/13		14 Illinois av	1	2145	Somerville	ma	US
1124	11768363	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino363		10/21/13		14 Illinois av	1	2145	Somerville	ma	US
1125	11768371	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino364		10/21/13		14 Illinois av	1	2145	Somerville	ma	US
1126	11768381	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino365		10/21/13		14 Illinois av	1	2145	Somerville	ma	US
1127	11768435	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino371		10/21/13		14 Illinois av	1	2145	Somerville	ma	US
1128	11768443	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino372		10/21/13		14 Illinois av	1	2145	Somerville	ma	US
1129	11768457	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino373		10/21/13		14 Illinois av	1	2145	Somerville	ma	US
1130	11768471	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino374		10/21/13		14 Illinois av	1	2145	Somerville	ma	US
1131	11768479	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino375		10/21/13		14 Illinois av	1	2145	Somerville	ma	US
1132	11768551	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino381		10/21/13		14 Illinois av	1	2145	Somerville	ma	US
1133	11768567	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino382		10/21/13		14 Illinois av	1	2145	Somerville	ma	US
1134	11768583	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino383		10/21/13		14 Illinois av	1	2145	Somerville	ma	US
1135	11768599	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino384		10/21/13		14 Illinois av	1	2145	Somerville	ma	US
1136	11768609	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino385		10/21/13		14 Illinois av	1	2145	Somerville	ma	US
1137	11769663	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino391		10/21/13		14 Illinois av	1	2145	Somerville	ma	US
1138	11769671	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino392		10/21/13		14 Illinois av	1	2145	Somerville	ma	US
1139	11769677	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino393		10/21/13		14 Illinois av	1	2145	Somerville	ma	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
1140	11769687	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino394		10/21/13		14 Illinois av	1	2145	Somerville	ma	US
1141	11769697	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino395		10/21/13		14 Illinois av	1	2145	Somerville	ma	US
1142	11769777	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino041		10/21/13		14 Illinois av	1	2145	Somervill	ma	US
1143	11769797	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino042		10/21/13		14 Illinois av	1	2145	Somervill	ma	US
1144	11769811	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino043		10/21/13		14 Illinois av	1	2145	Somervill	ma	US
1145	11769821	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino044		10/21/13		14 Illinois av	1	2145	Somervill	ma	US
1146	11769883	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino045		10/21/13		14 Illinois av	1	2145	Somervill	ma	US
1147	11770105	Benjamin Agueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino411		10/21/13		14 Illinois av	1	2145	Somerville	ma	US
1148	11770121	Benjamin Agueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino412		10/21/13		14 Illinois av	1	2145	Somerville	ma	US
1149	11770141	Benjamin Agueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino413		10/21/13		14 Illinois av	1	2145	Somerville	ma	US
1150	11770155	Benjamin Agueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino414		10/21/13		14 Illinois av	1	2145	Somerville	ma	US
1151	11770175	Benjamin Agueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino415		10/21/13		14 Illinois av	1	2145	Somerville	ma	US
1152	11787129	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	Telexfreeben@gmail.com	8573331035	8573331035	conchy151		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US
1153	11787231	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	Telexfreeben@gmail.com	8573331035	8573331035	metapaneco00		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US
1154	11794401	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	mayas201		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US
1155	11794449	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	mayas202		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US
1156	11794469	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	mayas203		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US
1157	11794495	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	mayas204		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US
1158	11794515	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	mayas205		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US
1159	11795209	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas301		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
1160	11795233	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas302		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US
1161	11795251	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas303		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US
1162	11795269	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas304		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US
1163	11795283	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas305		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US
1164	11795389	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas4001		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US
1165	11795431	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas4002		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US
1166	11795455	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas4003		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US
1167	11795471	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas4004		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US
1168	11795491	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas4005		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US
1169	11795585	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas5005		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US
1170	11795603	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas5001		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US
1171	11795621	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas5002		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US
1172	11795637	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas5003		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US
1173	11795655	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas5004		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US
1174	11795745	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas601		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US
1175	11795765	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas602		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US
1176	11795777	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas603		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US
1177	11795809	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas604		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US
1178	11795835	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas605		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US
1179	11796103	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas701		10/22/13		14 Illinois Av	MA	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_nu_mero	rep_cep	city	state_code	country_code
1180	11796107	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas702		10/22/13		14 Illinois Av	MA	2145	Somerville	MA	US
1181	11796129	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas703		10/22/13		14 Illinois Av	MA	2145	Somerville	MA	US
1182	11796155	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas704		10/22/13		14 Illinois Av	MA	2145	Somerville	MA	US
1183	11796177	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas705		10/22/13		14 Illinois Av	MA	2145	Somerville	MA	US
1184	11796315	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas801		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US
1185	11796351	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas802		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US
1186	11796375	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas803		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US
1187	11796399	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas804		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US
1188	11796409	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas805		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US
1189	11796511	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas901		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US
1190	11796515	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	rosalinaa1	12/1/76	10/22/13		14 Illinois ave	1	2145	Somerville	MA	US
1191	11796519	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas902		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US
1192	11796531	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas903		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US
1193	11796545	Benjamin Argueta	2522900	2522900	\$ (1,375.10)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	rosalinaa2	12/1/76	10/22/13		14 Illinois ave	1	2145	Somerville	MA	US
1194	11796549	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas904		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US
1195	11796557	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	rosalinaa3	12/1/76	10/22/13		14 Illinois ave	1	2145	Somerville	MA	US
1196	11796567	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas905		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US
1197	11796649	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas1001		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US
1198	11796669	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas1002		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US
1199	11796687	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas1003		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
1200	11796735	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas1004		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US
1201	11796763	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas1005		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US
1202	11797189	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas1101		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US
1203	11797243	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas1102		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US
1204	11797269	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas1103		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US
1205	11797413	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas1104		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US
1206	11797425	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas1105		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US
1207	11800173	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	chelino2901		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US
1208	11800185	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	chelino2902		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US
1209	11800203	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	chelino2903		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US
1210	11800217	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	chelino2904		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US
1211	11800239	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	chelino2905		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US
1212	11800321	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino3001		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US
1213	11800351	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino3002		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US
1214	11800367	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino3003		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US
1215	11800387	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino3004		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US
1216	11800399	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino3005		10/22/13		14 Illinois Av	1	2145	Somerville	MA	US
1217	11819637	mayas251	11819637	11819637	\$ (49.90)	\$ (1,546.90)	\$ (49.90)	telexfreeben@gmail.com	mayas251	mayas251	mayas251		10/23/13		131 broadway	1	2145	somerville	ma	US
1218	11819677	mayas252	11819677	11819637	\$ (49.90)	\$ (1,546.90)	\$ (49.90)	telexfreeben@gmail.com	mayas252	mayas252	mayas252		10/23/13		131 broadway	1	2145	somerville	ma	US
1219	11819779	mayas253	11819779	11819637	\$ (49.90)	\$ (1,546.90)	\$ (49.90)	telexfreeben@gmail.com	mayas253	mayas253	mayas253		10/23/13		131 broadway	1	2145	somerville	ma	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_nu_mero	rep_cep	city	state_code	country_code
1220	11819851	mayas254	11819851	11819637	\$ (49.90)	\$ (1,546.90)	\$ (49.90)	telexfreeben@gmail.com	mayas254	mayas254	mayas254		10/23/13		131 broadway	1	2145	somerville	ma	US
1221	11819921	mayas255	11819921	11819921	\$ (49.90)	\$ (49.90)	\$ (49.90)	telexfreeben@gmail.com	mayas255	mayas255	mayas255		10/23/13		131 broadway	1	2145	somerville	ma	US
1222	11820105	mayas261	11820105	11819637	\$ (49.90)	\$ (1,546.90)	\$ (49.90)	telexfreeben@gmail.com	mayas261	mayas261	mayas261		10/23/13		131 broadway	1	2145	somerville	ma	US
1223	11820183	mayas262	11820183	11819637	\$ (49.90)	\$ (1,546.90)	\$ (49.90)	telexfreeben@gmail.com	mayas262	mayas262	mayas262		10/23/13		131 broadway	1	2145	somerville	ma	US
1224	11820543	mayas263	11820543	11819637	\$ (49.90)	\$ (1,546.90)	\$ (49.90)	telexfreeben@gmail.com	mayas263	mayas263	mayas263		10/23/13		131 broadway	1	2145	somerville	ma	US
1225	11820611	mayas264	11820611	11819637	\$ (49.90)	\$ (1,546.90)	\$ (49.90)	telexfreeben@gmail.com	mayas264	mayas264	mayas264		10/23/13		131 broadway	1	2145	somerville	ma	US
1226	11820665	mayas265	11820665	11819637	\$ (49.90)	\$ (1,546.90)	\$ (49.90)	telexfreeben@gmail.com	mayas265	mayas265	mayas265		10/23/13		131 broadway	1	2145	somerville	ma	US
1227	11820717	mayas271	11820717	11819637	\$ (49.90)	\$ (1,546.90)	\$ (49.90)	telexfreeben@gmail.com	mayas271	mayas271	mayas271		10/23/13		131 broadway	1	2145	somerville	ma	US
1228	11820771	mayas272	11820771	11819637	\$ (49.90)	\$ (1,546.90)	\$ (49.90)	telexfreeben@gmail.com	mayas272	mayas272	mayas272		10/23/13		131 broadway	1	2145	somerville	ma	US
1229	11820953	mayas274	11820953	11819637	\$ (49.90)	\$ (1,546.90)	\$ (49.90)	telexfreeben@gmail.com	mayas274	mayas274	mayas274		10/23/13		131 broadway	1	2145	somerville	ma	US
1230	11837377	mayas275	11837377	11819637	\$ (49.90)	\$ (1,546.90)	\$ (49.90)	telexfreeben@gmail.com	mayas275	mayas275	mayas275		10/24/13		131 broadway	1	2145	somerville	ma	US
1231	11837455	mayas281	11837455	11819637	\$ (49.90)	\$ (1,546.90)	\$ (49.90)	telexfreeben@gmail.com	mayas281	mayas281	mayas281		10/24/13		131 broadway	1	2145	somerville	ma	US
1232	11837531	mayas282	11837531	11819637	\$ (49.90)	\$ (1,546.90)	\$ (49.90)	telexfreeben@gmail.com	mayas282	mayas282	mayas282		10/24/13		131 broadway	1	2145	somerville	ma	US
1233	11837553	mayas283	11837553	11819637	\$ (49.90)	\$ (1,546.90)	\$ (49.90)	telexfreeben@gmail.com	mayas283	mayas283	mayas283		10/24/13		131 broadway	1	2145	somerville	ma	US
1234	11837603	mayas284	11837603	11819637	\$ (49.90)	\$ (1,546.90)	\$ (49.90)	telexfreeben@gmail.com	mayas284	mayas284	mayas284		10/24/13		131 broadway	1	2145	somerville	ma	US
1235	11837677	mayas285	11837677	11819637	\$ (49.90)	\$ (1,546.90)	\$ (49.90)	telexfreeben@gmail.com	mayas285	mayas285	mayas285		10/24/13		131 broadway	1	2145	somerville	ma	US
1236	11837759	mayas291	11837759	11819637	\$ (49.90)	\$ (1,546.90)	\$ (49.90)	telexfreeben@gmail.com	mayas291	mayas291	mayas291		10/24/13		131 broadway	1	2145	somerville	ma	US
1237	11837799	mayas292	11837799	11819637	\$ (49.90)	\$ (1,546.90)	\$ (49.90)	telexfreeben@gmail.com	mayas292	mayas292	mayas292		10/24/13		131 broadway	1	2145	somerville	ma	US
1238	11837843	mayas293	11837843	11819637	\$ (49.90)	\$ (1,546.90)	\$ (49.90)	telexfreeben@gmail.com	mayas293	mayas293	mayas293		10/24/13		131 broadway		2145	somerville	ma	US
1239	11837887	mayas294	11837887	11819637	\$ (49.90)	\$ (1,546.90)	\$ (49.90)	telexfreeben@gmail.com	mayas294	mayas294	mayas294		10/24/13		131 broadway		2145	somerville	ma	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_nu_mero	rep_cep	city	state_code	country_code
1240	11837921	mayas295	11837921	11819637	\$ (49.90)	\$ (1,546.90)	\$ (49.90)	telexfreeben@gmail.com	mayas295	mayas295	mayas295		10/24/13		131 broadway	1	2145	somerville	ma	US
1241	11838107	mayas300	11838107	11838107	\$ (49.90)	\$ (49.90)	\$ (249.50)	telexfreeben@gmail.com	mayas300	mayas300	mayas300		10/24/13		131 broadway	1	2145	somerville	ma	US
1242	11838181	mayas3001	11838107	11838181	\$ (49.90)	\$ (49.90)	\$ (249.50)	telexfreeben@gmail.com	mayas3001	mayas3001	mayas3001		10/24/13		131 broadway	1	2145	somerville	ma	US
1243	11838231	mayas3002	11838107	11838231	\$ (49.90)	\$ (49.90)	\$ (249.50)	telexfreeben@gmail.com	mayas3002	mayas3002	mayas3002		10/24/13		131 broadway	1	2145	somerville	ma	US
1244	11838261	mayas3003	11838107	11838261	\$ (49.90)	\$ (49.90)	\$ (249.50)	telexfreeben@gmail.com	mayas3003	mayas3003	mayas3003		10/24/13		131 broadway	1	2145	somerville	ma	US
1245	11838319	mayas311	11838319	11838319	\$ (49.90)	\$ (49.90)	\$ (49.90)	telexfreeben@gmail.com	mayas311	mayas311	mayas311		10/24/13		131 broadway		2145	somerville	ma	US
1246	11838375	mayas312	11838375	11819637	\$ (49.90)	\$ (1,546.90)	\$ (49.90)	telexfreeben@gmail.com	mayas312	mayas312	mayas312		10/24/13		131 broadway	1	2145	somerville	ma	US
1247	11838427	mayas313	11838427	11819637	\$ (49.90)	\$ (1,546.90)	\$ (49.90)	telexfreeben@gmail.com	mayas313	mayas313	mayas313		10/24/13		131 broadway	1	2145	somerville	ma	US
1248	11838457	mayas314	11838457	11819637	\$ (49.90)	\$ (1,546.90)	\$ (49.90)	telexfreeben@gmail.com	mayas314	mayas314	mayas314		10/24/13		131 broadway	1	2145	somerville	ma	US
1249	11838505	mayas315	11838505	11819637	\$ (49.90)	\$ (1,546.90)	\$ (49.90)	telexfreeben@gmail.com	mayas315	mayas315	mayas315		10/24/13		131 broadway	1	2145	somerville	ma	US
1250	11839241	mayas321	11839241	11819637	\$ (49.90)	\$ (1,546.90)	\$ (49.90)	telexfreeben@gmail.com	mayas321	mayas321	mayas321		10/24/13		131 broadway	1	2145	somerville	ma	US
1251	11839383	mayas322	11839383	11839383	\$ (49.90)	\$ (49.90)	\$ (49.90)	telexfreeben@gmail.com	mayas322	mayas322	mayas322		10/24/13		131 broadway	1	2145	somerville	ma	US
1252	11839427	mayas323	11839427	11819637	\$ (49.90)	\$ (1,546.90)	\$ (49.90)	telexfreeben@gmail.com	mayas323	mayas323	mayas323		10/24/13		131 broadway	1	2145	somerville	ma	US
1253	11839491	mayas324	11839491	11819637	\$ (49.90)	\$ (1,546.90)	\$ (49.90)	telexfreeben@gmail.com	mayas324	mayas324	mayas324		10/24/13		131 broadway	1	2145	somerville	ma	US
1254	11839543	mayas325	11839543	11819637	\$ (49.90)	\$ (1,546.90)	\$ (49.90)	telexfreeben@gmail.com	mayas325	mayas325	mayas325		10/24/13		131 broadway	1	2145	somerville	ma	US
1255	11839623	mayas331	11839623	11839623	\$ (49.90)	\$ (49.90)	\$ (49.90)	telexfreeben@gmail.com	mayas331	mayas331	mayas331		10/24/13		131 broadway	1	2145	somerville	ma	US
1256	11839661	mayas332	11839661	11839661	\$ (49.90)	\$ (49.90)	\$ (49.90)	telexfreeben@gmail.com	mayas332	mayas332	mayas332		10/24/13		131 broadway	1	2145	somerville	ma	US
1257	11840269	mayas333	11840269	11840269	\$ (49.90)	\$ (49.90)	\$ (49.90)	telexfreeben@gmail.com	mayas333	mayas333	mayas333		10/24/13		131 broadway	1	2145	somerville	ma	US
1258	11840309	mayas334	11840309	11840309	\$ (49.90)	\$ (49.90)	\$ (49.90)	telexfreeben@gmail.com	mayas334	mayas334	mayas334		10/24/13		131 broadway	1	2145	somerville	ma	US
1259	11840365	mayas335	11840365	11840365	\$ (49.90)	\$ (49.90)	\$ (49.90)	telexfreeben@gmail.com	mayas335	mayas335	mayas335		10/24/13		131 broadway	1	2145	revere	ma	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
1260	11844209	benjamin agueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino705		10/24/13		131 broadway	1	2145	somerville	ma	US
1261	11844549	benjamin agueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	taxfreeben@gmail.com	8572598240	8572598240	chelino4201		10/24/13		131 broadway		2145	somerville	ma	US
1262	11844567	benjamin agueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino4301		10/24/13		131 broadway		2145	somerville	ma	US
1263	11844595	benjamin agueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	taxfreeben@gmail.com	8572598240	8572598240	chelino4202		10/24/13		131 broadway		2145	somerville	ma	US
1264	11844633	benjamin agueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	taxfreeben@gmail.com	8572598240	8572598240	chelino4203		10/24/13		131 broadway		2145	somerville	ma	US
1265	11844655	benjamin agueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino4302		10/24/13		131 broadway	1	2145	somerville	ma	US
1266	11844697	benjamin agueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	taxfreeben@gmail.com	8572598240	8572598240	chelino4204		10/24/13		131 broadway		2145	somerville	ma	US
1267	11844713	benjamin agueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino4303		10/24/13		131 broadway	1	2145	somerville	ma	US
1268	11844751	benjamin agueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino4304		10/24/13		131 broadway	1	2145	somerville	ma	US
1269	11844833	benjamin agueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino4305		10/24/13		131 broadway	1	2145	somerville	ma	US
1270	11844945	benjamin agueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino4401		10/24/13		131 broadway	1	2145	somerville	ma	US
1271	11845071	benjamin agueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino4402		10/24/13		131 broadway	1	2145	somerville	ma	US
1272	11845073	benjamin agueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino4205		10/24/13		131 broadway		2145	somerville	ma	US
1273	11845119	benjamin agueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino4403		10/24/13		131 broadway	1	2145	somerville	ma	US
1274	11845153	benjamin agueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino4404		10/24/13		131 broadway	1	2145	somerville	ma	US
1275	11845183	benjamin agueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino4405		10/24/13		131 broadway	1	2145	somerville	ma	US
1276	11845199	benjamin agueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino4501		10/24/13		131 broadway		2145	somerville	Ma	US
1277	11845223	benjamin agueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino4502		10/24/13		131 broadway		2145	somerville	Ma	US
1278	11845251	benjamin agueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino4601		10/24/13		131 broadway	1	2145	somerville	ma	US
1279	11845279	benjamin agueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino4503		10/24/13		131 broadway		2145	somerville	Ma	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
1280	11845307	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino4504		10/24/13		131 broadway		2145	somerville	Ma	US
1281	11845333	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino4602		10/24/13		131 broadway	1	2145	somerville	ma	US
1282	11845363	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino4505		10/24/13		131 broadway		2145	somerville	Ma	US
1283	11845375	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino4603		10/24/13		131 broadway	1	2145	somerville	ma	US
1284	11845405	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino4604		10/24/13		131 broadway	1	2145	somerville	ma	US
1285	11845439	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino4605		10/24/13		131 broadway	1	2145	somerville	ma	US
1286	11845529	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino4701		10/24/13		131 broadway		2145	somerville	ma	US
1287	11845535	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino4801		10/24/13		131 broadway	1	2145	somerville	ma	US
1288	11845555	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino4702		10/24/13		131 broadway		2145	somerville	ma	US
1289	11845581	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino4802		10/24/13		131 broadway	1	2145	somerville	ma	US
1290	11845595	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino4703		10/24/13		131 broadway		2145	somerville	ma	US
1291	11845613	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino4803		10/24/13		131 broadway	1	2145	somerville	ma	US
1292	11845641	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino4804		10/24/13		131 broadway	1	2145	somerville	ma	US
1293	11845681	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino4805		10/24/13		131 broadway	1	2145	somerville	ma	US
1294	11845701	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino4704		10/24/13		131 broadway		2145	somerville	ma	US
1295	11845763	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino4705		10/24/13		131 broadway		2145	somerville	ma	US
1296	11853029	Benjamin Argueta	2522900	2522900	\$ (249.50)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol1001		10/25/13		14 Illinois ave	1	2145	Somerville	MA	US
1297	11855235	mayas3005	11838107	11855235	\$ (49.90)	\$ (49.90)	\$ (249.50)	benjamin_gauchao@yahoo.com	mayas3005	mayas3005	mayas3005		10/25/13		131 Broadway		2145	Somerville	MA	US
1298	11868129	Benjamin Argueta	2522900	2522900	\$ (1,375.10)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	tigrito	12/1/76	10/25/13		14 Illinois Av	1	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
1299	11868171	Benjamin Argueta	2522900	2522900	\$ 149.70	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	elmera1	12/1/76	10/25/13		14 Illinois Av	1	2145	Somerville	MA	US
1300	11868205	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	elmera2	12/1/76	10/25/13		14 Illinois Av	1	2145	Somerville	MA	US
1301	11868223	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	elmera3	12/1/76	10/25/13		14 Illinois Av	1	2145	Somerville	MA	US
1302	11868249	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	elmera4	12/1/76	10/25/13		14 Illinois Av	1	2145	Somerville	MA	US
1303	11868271	Benjamin Argueta	2522900	2522900	\$ (1,325.20)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy36	12/1/76	10/25/13		14 Illinois Av	1	2145	Somerville	MA	US
1304	11868293	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy37	12/1/76	10/25/13		14 Illinois Av	1	2145	Somerville	MA	US
1305	11868321	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy38	12/1/76	10/25/13		14 Illinois Av	1	2145	Somerville	MA	US
1306	11868341	Benjamin Argueta	2522900	2522900	\$ (1,325.20)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy39	12/1/76	10/25/13		14 Illinois Av	1	2145	Somerville	MA	US
1307	11868451	Benjamin Argueta	2522900	2522900	\$ (1,325.20)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy40	12/1/76	10/25/13		14 Illinois Av	1	2145	Somerville	MA	US
1308	11885359	Benjamin Argueta	2522900	2522900	\$ 3,299.10	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	chelinito1	12/1/76	10/26/13		14 Illinois ave	1	2145	Somerville	MA	US
1309	11885543	Benjamin Argueta	2522900	2522900	\$ (1,325.20)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	chelinito2	12/1/76	10/26/13		14 Illinois ave	1	2145	Somerville	MA	US
1310	11885563	Benjamin Argueta	2522900	2522900	\$ (1,375.10)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	chelinito3	12/1/76	10/26/13		14 Illinois ave	1	2145	Somerville	MA	US
1311	11885593	Benjamin Argueta	2522900	2522900	\$ (1,325.20)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	chelinito4	12/1/76	10/26/13		14 Illinois ave	1	2145	Somerville	MA	US
1312	11885801	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelinito101		10/26/13		14 Illinois ave	1	2145	Somerville	MA	US
1313	11951127	Benjamin Argueta	2522900	2522900	\$ 16,235.30	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	mayasol17	12/1/76	10/29/13		14 Illinois ave	1	2145	Somerville	MA	US
1314	11954763	benise belizaire	11954763	11954763	\$ (49.90)	\$ (49.90)	\$ (49.90)	jearme@yahoo.com	5619070473	5619070473	benise		10/30/13		.	.	33460	.	FL	US
1315	12142427	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy361		11/8/13		14 Illinois Av	1	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
1316	12142439	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy362		11/8/13		14 Illinois Av	1	2145	Somerville	MA	US
1317	12142453	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy363		11/8/13		14 Illinois Av	1	2145	Somerville	MA	US
1318	12142467	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy364		11/8/13		14 Illinois Av	1	2145	Somerville	MA	US
1319	12142477	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy365		11/8/13		14 Illinois Av	1	2145	Somerville	MA	US
1320	12142801	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy371		11/8/13		14 Illinois Av	1	2145	Somerville	MA	US
1321	12142823	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy372		11/8/13		14 Illinois Av	1	2145	Somerville	MA	US
1322	12142861	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy373		11/8/13		14 Illinois Av	1	2145	Somerville	MA	US
1323	12142875	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy374		11/8/13		14 Illinois Av	1	2145	Somerville	MA	US
1324	12142891	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy375		11/8/13		14 Illinois Av	1	2145	Somerville	MA	US
1325	12143149	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598249	8572598249	conchy381		11/8/13		14 Illinois Av	1	2145	Somerville	MA	US
1326	12143161	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598249	8572598249	conchy382		11/8/13		14 Illinois Av	1	2145	Somerville	MA	US
1327	12143171	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598249	8572598249	conchy383		11/8/13		14 Illinois Av	1	2145	Somerville	MA	US
1328	12143187	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598249	8572598249	conchy384		11/8/13		14 Illinois Av	1	2145	Somerville	MA	US
1329	12143551	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy3801		11/8/13		14 Illinois Av	1	2145	Somerville	MA	US
1330	12143569	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy3802		11/8/13		14 Illinois Av	1	2145	Somerville	MA	US
1331	12143591	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy3803		11/8/13		14 Illinois Av	1	2145	Somerville	MA	US
1332	12143599	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy3804		11/8/13		14 Illinois Av	1	2145	Somerville	MA	US
1333	12143625	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy3805		11/8/13		14 Illinois Av	1	2145	Somerville	MA	US
1334	12144015	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	conchy391		11/8/13		14 Illinois Av	1	2145	Somerville	MA	US
1335	12144031	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	conchy392		11/8/13		14 Illinois Av	1	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
1336	12144129	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	conchy393		11/8/13		14 Illinois Av	1	2145	Somerville	MA	US
1337	12144147	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	conchy394		11/8/13		14 Illinois Av	1	2145	Somerville	MA	US
1338	12144165	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	Telexfreeben@gmail.com	8572598240	8572598240	conchy395		11/8/13		14 Illinois Av	1	2145	Somerville	MA	US
1339	12144621	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy401		11/8/13		14 Illinois Av	1	2145	Somerville	MA	US
1340	12144647	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy402		11/8/13		14 Illinois Av	1	2145	Somerville	MA	US
1341	12144669	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy403		11/8/13		14 Illinois Av	1	2145	Somerville	MA	US
1342	12144695	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy404		11/8/13		14 Illinois Av	1	2145	Somerville	MA	US
1343	12144711	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy405		11/8/13		14 Illinois Av	1	2145	Somerville	MA	US
1344	12145027	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	elmera102		11/8/13		14 Illinois Av	1	2145	Somerville	MA	US
1345	12145053	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	elmera104		11/8/13		14 Illinois Av	1	2145	Somerville	MA	US
1346	12145063	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	elmera105		11/8/13		14 Illinois Av	1	2145	Somerville	MA	US
1347	12145151	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	elmera201		11/8/13		14 Illinois Av	1	2145	Somerville	MA	PK
1348	12145181	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	elmera202		11/8/13		14 Illinois Av	1	2145	Somerville	MA	PK
1349	12145199	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	elmera203		11/8/13		14 Illinois Av	1	2145	Somerville	MA	PK
1350	12145217	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	elmera204		11/8/13		14 Illinois Av	1	2145	Somerville	MA	PK
1351	12145233	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	elmera205		11/8/13		14 Illinois Av	1	2145	Somerville	MA	PK
1352	12145309	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	elmera301		11/8/13		14 Illinois Av	1	2145	Somerville	MA	US
1353	12145321	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	elmera302		11/8/13		14 Illinois Av	1	2145	Somerville	MA	US
1354	12145331	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	elmera303		11/8/13		14 Illinois Av	1	2145	Somerville	MA	US
1355	12145355	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	elmera304		11/8/13		14 Illinois Av	1	2145	Somerville	MA	US



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
1356	12145383	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	elmera305		11/8/13		14 Illinois Av	1	2145	Somerville	MA	US
1357	12145459	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	elmera401		11/8/13		14 Illinois Av	1	2145	Somerville	MA	US
1358	12145517	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	elmera402		11/8/13		14 Illinois Av	1	2145	Somerville	MA	US
1359	12145539	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	elmera403		11/8/13		14 Illinois Av	1	2145	Somerville	MA	US
1360	12145549	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	elmera404		11/8/13		14 Illinois Av	1	2145	Somerville	MA	US
1361	12145569	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	elmera405		11/8/13		14 Illinois Av	1	2145	Somerville	MA	US
1362	12145641	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	tigrito101		11/8/13		14 Illinois Av	1	2145	Somerville	MA	US
1363	12145655	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	tigrito102		11/8/13		14 Illinois Av	1	2145	Somerville	MA	US
1364	12145693	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	tigrito103		11/8/13		14 Illinois Av	1	2145	Somerville	MA	US
1365	12145711	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	tigrito104		11/8/13		14 Illinois Av	1	2145	Somerville	MA	US
1366	12145745	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	tigrito105		11/8/13		14 Illinois Av	1	2145	Somerville	MA	US
1367	12145957	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	elmera1001		11/8/13		14 Illinois Av	1	2145	Somerville	MA	US
1368	12145975	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	elmera1003		11/8/13		14 Illinois Av	1	2145	Somerville	MA	US
1369	12157375	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1sheilan1		11/8/13		14 Illinois Av		2145	Somerville	MA	US
1370	12167425	Benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@yahoo.com	8572598240	8572598240	chelino1901		11/9/13		14 illinois st	1	2145	somerville	ma	US
1371	12167465	benjamin agueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@yahoo.com	8572598240	8572598240	chelino2001		11/9/13		14 illinois	1	2145	somerville	ma	US
1372	12167495	Benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@yahoo.com	8572598240	8572598240	chelino1902		11/9/13		14 illinois st	1	2145	somerville	ma	US
1373	12167529	Benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@yahoo.com	8572598240	8572598240	chelino1903		11/9/13		14 illinois st	1	2145	somerville	ma	US
1374	12167589	Benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@yahoo.com	8572598240	8572598240	chelino1904		11/9/13		14 illinois st	1	2145	somerville	ma	US
1375	12167627	Benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@yahoo.com	8572598240	8572598240	chelino1905		11/9/13		14 illinois st	1	2145	somerville	ma	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
1376	12167657	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@yahoo.com	8572598240	8572598240	chelino605		11/9/13		14 illinois st	1	2145	somerville	ma	US
1377	12167717	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@yahoo.com	8572598240	8572598240	chelino2002		11/9/13		14 illinois st	1	2145	somerville	ma	US
1378	12167721	Benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@yahoo.com	8572598240	8572598240	chelino2101		11/9/13		14 illinois st	1	2145	somerville	ma	US
1379	12167745	Benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@yahoo.com	8572598240	8572598240	chelino2102		11/9/13		14 illinois st	1	2145	somerville	ma	US
1380	12167763	Benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@yahoo.com	8572598240	8572598240	chelino2103		11/9/13		14 illinois st	1	2145	somerville	ma	US
1381	12167791	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@yahoo.com	8572598240	8572598240	chelino2003		11/9/13		14 illinois st	1	2145	somerville	ma	US
1382	12167795	Benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@yahoo.com	8572598240	8572598240	chelino2104		11/9/13		14 illinois st	1	2145	somerville	ma	US
1383	12167803	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@yahoo.com	8572598240	8572598240	chelino2004		11/9/13		14 illinois st	1	2145	somerville	ma	US
1384	12167805	Benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@yahoo.com	8572598240	8572598240	chelino2105		11/9/13		14 illinois st	1	2145	somerville	ma	US
1385	12167811	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@yahoo.com	8572598240	8572598240	chelino2005		11/9/13		14 illinois st	1	2145	somerville	ma	US
1386	12167931	Benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@yahoo.com	8572598240	8572598240	chelino2201		11/9/13		14 illinois st	1	2145	somerville	ma	US
1387	12167941	Benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@yahoo.com	8572598240	8572598240	chelino2202		11/9/13		14 illinois st	1	2145	somerville	ma	US
1388	12167973	Benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@yahoo.com	8572598240	8572598240	chelino2203		11/9/13		14 illinois st	1	2145	somerville	ma	US
1389	12167975	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@yahoo.com	8572598240	8572598240	chelino2301		11/9/13		14 illinois st	1	2145	somerville	ma	US
1390	12167989	Benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@yahoo.com	8572598240	8572598240	chelino2204		11/9/13		14 illinois st	1	2145	somerville	ma	US
1391	12167997	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@yahoo.com	8572598240	8572598240	chelino2302		11/9/13		14 illinois st	1	2145	somerville	ma	US
1392	12167999	Benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@yahoo.com	8572598240	8572598240	chelino2205		11/9/13		14 illinois st	1	2145	somerville	ma	US
1393	12168007	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@yahoo.com	8572598240	8572598240	chelino2303		11/9/13		14 illinois st	1	2145	somerville	ma	US
1394	12168021	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@yahoo.com	8572598240	8572598240	chelino2304		11/9/13		14 illinois st	1	2145	somerville	ma	US
1395	12168037	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@yahoo.com	8572598240	8572598240	chelino2305		11/9/13		14 illinois st	1	2145	somerville	ma	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
1396	12168117	be	12168117	12168117	\$ (49.90)	\$ (49.90)	\$ (49.90)	telexfreeben@yahoo.com	8572598240	8572598240	chelino2401		11/9/13		14 illinois st		2145	somerville	ma	US
1397	12168143	Benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@yahoo.com	8572598240	8572598240	chelino2402		11/9/13		14 illinois st		2145	somerville	ma	US
1398	12168161	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@yahoo.com	8572598240	8572598240	chelino2801		11/9/13		14 illinois st		2145	somerville	ma	US
1399	12168163	Benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@yahoo.com	8572598240	8572598240	chelino2403		11/9/13		14 illinois st		2145	somerville	ma	US
1400	12168171	Benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@yahoo.com	8572598240	8572598240	chelino2404		11/9/13		14 illinois st		2145	somerville	ma	US
1401	12168175	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@yahoo.com	8572598240	8572598240	chelino2802		11/9/13		14 illinois st	1	2145	somerville	ma	US
1402	12168183	Benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@yahoo.com	8572598240	8572598240	chelino2405		11/9/13		14 illinois st		2145	somerville	ma	US
1403	12168203	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@yahoo.com	8572598240	8572598240	chelino2803		11/9/13		14 illinois st	1	2145	somerville	ma	US
1404	12168219	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@yahoo.com	8572598240	8572598240	chelino2804		11/9/13		14 illinois st	1	2145	somerville	ma	US
1405	12168225	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@yahoo.com	8572598240	8572598240	chelino2805		11/9/13		14 illinois st	1	2145	somerville	ma	US
1406	12168323	Benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@yahoo.com	8572598240	8572598240	chelino2501		11/9/13		14 illinois st	1	2145	somerville	ma	US
1407	12168357	Benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@yahoo.com	8572598240	8572598240	chelino2502		11/9/13		14 illinois st	1	2145	somerville	ma	US
1408	12168371	Benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@yahoo.com	8572598240	8572598240	chelino2503		11/9/13		14 illinois st	1	2145	somerville	ma	US
1409	12168393	Benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@yahoo.com	8572598240	8572598240	chelino2504		11/9/13		14 illinois st	1	2145	somerville	ma	US
1410	12168409	Benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@yahoo.com	8572598240	8572598240	chelino2505		11/9/13		14 illinois st	1	2145	somerville	ma	US
1411	12168421	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@yahoo.com	8572598240	8572598240	chelino2701		11/9/13		14 illinois st	1	2145	somerville	ma	US
1412	12168435	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@yahoo.com	8572598240	8572598240	chelino2702		11/9/13		14 illinois st	1	2145	somerville	ma	US
1413	12168449	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@yahoo.com	8572598240	8572598240	chelino2703		11/9/13		14 illinois st	1	2145	somerville	ma	US
1414	12168463	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@yahoo.com	8572598240	8572598240	chelino2704		11/9/13		14 illinois st	1	2145	somerville	ma	US
1415	12168473	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@yahoo.com	8572598240	8572598240	chelino2705		11/9/13		14 illinois st	1	2145	somerville	ma	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
1416	12168543	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@yahoo.com	8572598240	8572598240	chelino2601		11/9/13		14 illinois st	1	2145	somerville	ma	US
1417	12168553	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@yahoo.com	8572598240	8572598240	chelino2602		11/9/13		14 illinois st	1	2145	somerville	ma	US
1418	12168583	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@yahoo.com	8572598240	8572598240	chelino2603		11/9/13		14 illinois st	1	2145	somerville	ma	US
1419	12168595	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@yahoo.com	8572598240	8572598240	chelino2604		11/9/13		14 illinois st	1	2145	somerville	ma	US
1420	12168611	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@yahoo.com	8572598240	8572598240	chelino2605		11/9/13		14 illinois st	1	2145	somerville	ma	US
1421	12195415	conchy Argueta	4749006	4749006	\$ (49.90)	\$ (21,040.10)	\$ (3,792.40)	telexfreeben@gmail.com	8573331035	8573331035	1conchy01		11/10/13		14 Illinois Av		2145	somerville	ma	US
1422	12200231	Benjamin Argueta	2522900	2522900	\$ 521.10	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	benigna1	12/1/76	11/10/13		14 Illinois ave		2145	Somerville	MA	US
1423	12231573	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1mincho		11/12/13		14 Illinois Av		2145	somerville	MA	US
1424	12249993	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	carbenji		11/13/13		14 Illinois ave		2145	Somerville	MA	US
1425	12317531	Benjamjn Argueta	2522900	2522900	\$ (1,275.30)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	benigna2	1/12/76	11/15/13		14 Illinois ave		2145	Somerville	Mas	US
1426	12317615	Benjamjn Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	benigna3	1/12/76	11/15/13		14 Illinois ave		2145	Somerville	MA	US
1427	12317937	Benjamin Argueta	2522900	2522900	\$ (299.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1ben1		11/15/13		14 Illinois Av		2143	Somerville	MA	US
1428	12317953	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	2ben1		11/15/13		14 Illinois Av		2143	Somerville	MA	US
1429	12317963	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	3ben1		11/15/13		14 Illinois Av		2143	Somerville	MA	US
1430	12317973	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	4ben1		11/15/13		14 Illinois Av		2143	Somerville	MA	US
1431	12317991	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	5ben1		11/15/13		14 Illinois Av		2143	Somerville	MA	US
1432	12318041	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1ben2		11/15/13		14 Illinois Av		2143	Somerville	MA	US
1433	12318051	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	2ben2		11/15/13		14 Illinois Av		2143	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
1434	12318067	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	3ben2		11/15/13		14 Illinois Av		2143	Somerville	MA	US
1435	12318071	Benjamjn Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	benigna4	1/12/76	11/15/13		14 Illinois ave		2145	Somerville	Mas	US
1436	12318079	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	4ben2		11/15/13		14 Illinois Av		2143	Somerville	MA	US
1437	12318093	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	5ben2		11/15/13		14 Illinois Av		2143	Somerville	MA	US
1438	12318145	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1ben3		11/15/13		14 Illinois Av		2143	Somerville	MA	US
1439	12318153	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	2ben3		11/15/13		14 Illinois Av		2143	Somerville	MA	US
1440	12318167	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	3ben3		11/15/13		14 Illinois Av		2143	Somerville	MA	US
1441	12318177	Benjamjn Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	benigna5	1/12/76	11/15/13		14 Illinois ave		2145	Somerville	MA	US
1442	12318187	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	4ben3		11/15/13		14 Illinois Av		2143	Somerville	MA	US
1443	12318199	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	5ben3		11/15/13		14 Illinois Av		2143	Somerville	MA	US
1444	12318345	Benjamjn Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	benigna6	1/12/76	11/15/13		14 Illinois ave		2145	Somerville	MA	US
1445	12318371	Benjamjn Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	benigna7	1/12/76	11/15/13		14 Illinois ave		2145	Somerville	MA	US
1446	12318403	Benjamjn Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	benigna8	1/12/76	11/15/13		14 Illinois ave		2145	Somerville	MA	US
1447	12318431	Benjamjn Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	benigna9	1/12/76	11/15/13		14 Illinois ave		2145	Somerville	MA	US
1448	12318457	Benjamjn Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	benigna10	1/12/76	11/15/13		14 Illinois ave		2145	Somerville	MA	US
1449	12318463	Benjamjn Argueta	2522900	2522900	\$ (1,325.20)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	benigna11	1/12/76	11/15/13		14 Illinois ave		2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
1450	12318473	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1ben4		11/15/13		14 Illinois Av		2145	Somerville	MA	US
1451	12318493	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	2ben4		11/15/13		14 Illinois Av		2145	Somerville	MA	US
1452	12318507	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	3ben4		11/15/13		14 Illinois Av		2145	Somerville	MA	US
1453	12318515	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	4ben4		11/15/13		14 Illinois Av		2145	Somerville	MA	US
1454	12318533	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	5ben4		11/15/13		14 Illinois Av		2145	Somerville	MA	US
1455	12318547	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1ben5		11/15/13		14 Illinois Av		2145	Somerville	MA	US
1456	12318553	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	2ben5		11/15/13		14 Illinois Av		2145	Somerville	MA	US
1457	12318561	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	3ben5		11/15/13		14 Illinois Av		2145	Somerville	MA	US
1458	12318579	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	4ben5		11/15/13		14 Illinois Av		2145	Somerville	MA	US
1459	12318593	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	5ben5		11/15/13		14 Illinois Av		2145	Somerville	MA	US
1460	12318743	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1ben6		11/15/13		14 Illinois Av		2143	Somerville	MA	US
1461	12318749	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	2ben6		11/15/13		14 Illinois Av		2143	Somerville	MA	US
1462	12318769	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	3ben6		11/15/13		14 Illinois Av		2143	Somerville	MA	US
1463	12318783	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	4ben6		11/15/13		14 Illinois Av		2143	Somerville	MA	US
1464	12318809	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	5ben6		11/15/13		14 Illinois Av		2143	Somerville	MA	US
1465	12318817	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1ben7		11/15/13		14 Illinois Av		2143	Somerville	MA	US
1466	12318827	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	2ben7		11/15/13		14 Illinois Av		2143	Somerville	MA	US
1467	12318831	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	3ben7		11/15/13		14 Illinois Av		2143	Somerville	MA	US
1468	12318867	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	4ben7		11/15/13		14 Illinois Av		2145	Somerville	MA	US
1469	12318875	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	5ben7		11/15/13		14 Illinois Av		2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
1470	12324017	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1ben8		11/15/13		14 Illinois Av		2143	Somerville	MA	US
1471	12324039	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	2ben8		11/15/13		14 Illinois Av		2143	Somerville	MA	US
1472	12324063	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	3ben8		11/15/13		14 Illinois Av		2143	Somerville	MA	US
1473	12324073	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	4ben8		11/15/13		14 Illinois Av		2143	Somerville	MA	US
1474	12324087	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	5ben8		11/15/13		14 Illinois Av		2143	Somerville	MA	US
1475	12324107	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1ben9		11/15/13		14 Illinois Av		21435	Somerville	MA	US
1476	12324117	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	2ben9		11/15/13		14 Illinois Av		2145	Somerville	MA	US
1477	12324129	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	3ben9		11/15/13		14 Illinois Av		2145	Somerville	MA	US
1478	12324145	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	4ben9		11/15/13		14 Illinois Av		2145	Somerville	MA	US
1479	12324155	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	5ben9		11/15/13		14 Illinois Av		2145	Somerville	MA	US
1480	12324173	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1ben10		11/15/13		14 Illinois Av		2145	Somerville	MA	US
1481	12324195	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	2ben10		11/15/13		14 Illinois Av		2145	Somerville	MA	US
1482	12324253	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	3ben10		11/15/13		14 Illinois Av		2145	Somerville	MA	US
1483	12324261	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	4ben10		11/15/13		14 Illinois Av		2145	Somerville	MA	US
1484	12324279	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	5ben10		11/15/13		14 Illinois Av		2145	Somerville	MA	US
1485	12324311	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1ben11		11/15/13		14 Illinois Av		2145	Somerville	MA	US
1486	12324325	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	2ben11		11/15/13		14 Illinois Av		2145	Somerville	MA	US
1487	12324335	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	3ben11		11/15/13		14 Illinois Av		2145	Somerville	MA	US
1488	12324341	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	4ben11		11/15/13		14 Illinois Av		2145	Somerville	MA	US
1489	12324349	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	5ben11		11/15/13		14 Illinois Av		2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
1490	12379741	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1chelino101		11/18/13		14 Illinois Ave		2145	Somerville	MA	US
1491	12494895	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	15conchy15		11/22/13		14 Illinois Ave		2145	Somerville	MA	US
1492	12503571	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	elmera5	12/1/76	11/22/13		14 Illinois Ave		2145	Somerville	MA	US
1493	12579661	Benjamjn Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	jonygtr1	12/1/76	11/25/13		14 Illinois ave	1	2145	Somerville	MA	US
1494	12748979	Benjamin Argueta	2522900	2522900	\$ (249.50)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	85725982490	85725982490	1julisaa101		11/30/13		14 Illinois Av		2145	Somerville	MA	US
1495	12749017	Benjamin Argueta	2522900	2522900	\$ (249.50)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8582598240	8582598240	3julisaa301		11/30/13		14 Illinois Av		2145	Somerville	MA	US
1496	12749067	Benjamin Argueta	2522900	2522900	\$ (249.50)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1chelino1001		11/30/13		14 Illinois Av		2145	Somerville	MA	US
1497	12749129	Benjamin Argueta	2522900	2522900	\$ (249.50)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	2chelino201		11/30/13		14 Illinois Av		2145	Somerville	MA	US
1498	12749179	Benjamin Argueta	2522900	2522900	\$ (249.50)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	3chelino3		11/30/13		14 Illinois Av		2145	Somerville	MA	US
1499	12749221	Benjamin Argueta	2522900	2522900	\$ (249.50)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	4chelino4		11/30/13		14 Illinois Av		2145	Somerville	MA	US
1500	12749271	Benjamin Argueta	2522900	2522900	\$ (249.50)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	5chelino501		11/30/13		14 Illinois Av		2145	Somerville	MA	US
1501	12749307	Benjamin Argueta	2522900	2522900	\$ (249.50)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	6chelino6		11/30/13		14 Illinois Av		2145	Somerville	MA	US
1502	12749361	Benjamin Argueta	2522900	2522900	\$ (249.50)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	7chelino7		11/30/13		14 Illinois Av		2145	Somerville	MA	US
1503	12749393	Benjamin Argueta	2522900	2522900	\$ (249.50)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	8chelino8		11/30/13		14 Illinois Av		2145	Somerville	MA	US
1504	12749441	Benjamin Argueta	2522900	2522900	\$ (249.50)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1mayas1		11/30/13		14 Illinois Av		2145	Somerville	MA	US
1505	12749471	Benjamin Argueta	2522900	2522900	\$ (249.50)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	2carbenji1		11/30/13		14 Illinois Av		2145	Somerville	MA	US
1506	12749519	Benjamin Argueta	2522900	2522900	\$ (249.50)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1benja1		11/30/13		14 Illinois Av		2145	Somerville	MA	US
1507	12804215	Benjamin Argueta	2522900	2522900	\$ (249.50)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1sheilan101		12/2/13		14 Illinois Ave		2145	Somerville	MA	US
1508	12804325	Benjamin Argueta	2522900	2522900	\$ (249.50)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	11sheilan1		12/2/13		14 Illinois Ave		2145	Somerville		US
1509	12804399	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1conchy24		12/2/13		14 Illinois Ave		2145	Somerville	MA	US



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
1510	12804651	Benjamin Argueta	2522900	2522900	\$ (199.60)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1conchy16		12/2/13		14 Illinois Ave		2145	Somerville	MA	US
1511	12804713	Benjamin Argueta	2522900	2522900	\$ (249.50)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1sheilan16		12/2/13		14 Illinois Ave		2145	Somerville	MA	US
1512	12804771	Benjamin Argueta	2522900	2522900	\$ (249.50)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1conchy15		12/2/13		14 Illinois Ave		2145	Somerville	MA	US
1513	12804825	Benjamin Argueta	2522900	2522900	\$ (249.50)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1mincho1		12/2/13		14 Illinois Ave		2145	Somerville	MA	US
1514	12804901	Benjamin Argueta	2522900	2522900	\$ (249.50)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1mincho9		12/2/13		14 Illinois Ave		2145	Somerville	MA	US
1515	12805409	Benjamin Argueta	2522900	2522900	\$ (249.50)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1minchito1		12/2/13		14 Illinois Ave		2145	Somerville	MA	US
1516	12805453	Benjamin Argueta	2522900	2522900	\$ (249.50)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1mayasol121		12/2/13		14 Illinois Ave		2145	Somerville	MA	US
1517	12805503	Benjamin Argueta	2522900	2522900	\$ (249.50)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1mayasol3		12/2/13		14 Illinois Ave		2145	Somerville	MA	US
1518	12806483	Benjamin Argueta	2522900	2522900	\$ (249.50)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1conchy101		12/2/13		14 Illinois Ave		2145	Somerville	MA	US
1519	12806541	Benjamin Argueta	2522900	2522900	\$ (249.50)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	11conchy1		12/2/13		14 Illinois Ave		2145	Somerville	MA	US
1520	12806599	Benjamin Argueta	2522900	2522900	\$ (199.60)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	2conchy1		12/2/13		14 Illinois Ave		2145	Somerville	MA	US
1521	12806645	Benjamin Argueta	2522900	2522900	\$ (199.60)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	3conchy1		12/2/13		14 Illinois Ave		2145	Somerville	MA	US
1522	12806885	Benjamin Argueta	2522900	2522900	\$ (199.60)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	4conchy1		12/2/13		14 Illinois Ave		2145	Somerville	MA	US
1523	12806939	Benjamin Argueta	2522900	2522900	\$ (199.60)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	5conchy1		12/2/13		14 Illinois Ave		2145	Somerville	MA	US
1524	12806993	Benjamin Argueta	2522900	2522900	\$ (199.60)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	6conchy1		12/2/13		14 Illinois Ave		2145	Somerville	MA	US
1525	12861027	Carlos Lopez Carlos	4795390	12861027	\$ (586.40)	\$ (586.40)	\$ (10,274.40)	telexfreeben@gmail.com	7812198956	7812198956	vasquez50	5/28/53	12/4/13		79 floral ave	1	2148	Malden	MA	US
1526	12861211	Carlos Lopez Lopez	4795390	12861211	\$ (686.20)	\$ (686.20)	\$ (10,274.40)	telexfreeben@gmail.com	7812198956	7812198956	vasquez51	5/28/53	12/4/13		79 floral ave	1	2148	Malden	MA	US
1527	12875919	Benjamin Argueta	2522900	2522900	\$ (199.60)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	yurialarcon101		12/4/13		14 Illinois Ave		2145	Somerville	MA	US
1528	12876231	Benjamin Argueta	2522900	2522900	\$ (199.60)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1marlo		12/4/13		14 Illinois Ave		2145	Somerville	MA	US
1529	12926011	Benjamin Argueta	2522900	2522900	\$ (249.50)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	34conchy		12/6/13		14 Illinois Ave		2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
1530	12926311	Benjamin Argueta	2522900	2522900	\$ (249.50)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1conchy17		12/6/13		14 Illinois Ave		2145	Somerville	MA	US
1531	12927567	Benjamin Argueta	2522900	2522900	\$ 6,072.50	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy41	12/1/76	12/6/13		14 Illinois Ave		2145	Somerville	MA	US
1532	13068889	carlos carlos	4795390	13068889	\$ (199.60)	\$ (199.60)	\$ (10,274.40)	telexfreeben@gmail.com	7812198956	lopez	1vasquez48		12/11/13		79 Foral st		2148	Malden	MA	US
1533	13128443	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1rosa1		12/12/13		14 Illinois Av		2145	Somerville	MA	US
1534	13128833	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	rosalinaa4	12/1/76	12/12/13		14 Illinois Av		2145	Somerville	MA	US
1535	13129477	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	rosalinaa5	12/1/76	12/12/13		14 Illinois Av		2145	Somerville	MA	US
1536	13248677	Benjamin Argueta	2522900	2522900	\$ (1,375.10)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino49	12/1/76	12/16/13		14 Illinois ave	1	2145	Somerville	MA	US
1537	13253383	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino50	12/1/76	12/16/13		14 illinois st	14	2145	somerville	MA	US
1538	13253429	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino51	12/1/76	12/16/13		14 illinois st	14	2145	somerville	MA	US
1539	13253479	benjamin argueta	2522900	2522900	\$ (149.70)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino4901		12/16/13		14 illinois st	14	2145	somerville	MA	US
1540	13253929	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino52	12/1/76	12/16/13		14 illinois st	1	2145	somerville	MA	US
1541	13314669	benjamin argueta	2522900	2522900	\$ (199.60)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas23001		12/18/13		14 illinois st	1	2145	somerville	MA	US
1542	13353087	Berta Dina Morataya Portillo	13353087	13353087	\$ 162.10	\$ (17,636.80)	\$ (17,636.80)	telexfreeben@gmail.com	50379234039	50379234039	danim1	8/22/67	12/19/13		Poligono D Senda #5	19	0	Santa Ana	SA	SV
1543	13353311	Berta Dina Morataya Portillo	13353087	13353087	\$ (199.60)	\$ (17,636.80)	\$ (17,636.80)	telexfreeben@gmail.com	50379234039	50379234039	1danim1		12/19/13		Poligono D Senda #5	19	0	Santa Ana	SA	SV
1544	13353459	Berta Dina Morataya Portillo	13353087	13353087	\$ (876.10)	\$ (17,636.80)	\$ (17,636.80)	telexfreeben@gmail.com	50379234039	50379234039	danim2	8/22/67	12/19/13		Poligono D Senda #5	19	0	Santa Ana	SA	SV
1545	13353559	Berta Dina Morataya Portillo	13353087	13353087	\$ (736.10)	\$ (17,636.80)	\$ (17,636.80)	telexfreeben@gmail.com	50379234039	50379234039	danim3	8/22/67	12/19/13		Poligono D Senda #5	19	0	Santa Ana	SA	SV
1546	13353765	Berta Dina Morataya Portillo	13353087	13353087	\$ (926.00)	\$ (17,636.80)	\$ (17,636.80)	telexfreeben@gmail.com	50379234039	50379234039	danim5	8/22/67	12/19/13		Poligono D Senda #5	19	0	Santa Ana	SA	SV

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
1547	13353787	Berta Dina Morataya Portillo	13353087	13353087	\$ (926.00)	\$ (17,636.80)	\$ (17,636.80)	telexfreeben@gmail.com	50379234039	50379234039	danim6	8/22/67	12/19/13		Poligono D Senda #5	19	0	Santa Ana	SA	SV
1548	13353819	Berta Dina Morataya Portillo	13353087	13353087	\$ (926.00)	\$ (17,636.80)	\$ (17,636.80)	telexfreeben@gmail.com	50379234039	50379234039	danim7	8/22/67	12/19/13		Poligono D Senda #5	19	0	Santa Ana	SA	SV
1549	13353855	Berta Dina Morataya Portillo	13353087	13353087	\$ (786.00)	\$ (17,636.80)	\$ (17,636.80)	telexfreeben@gmail.com	50379234039	50379234039	danim8	8/22/67	12/19/13		Poligono D Senda #5	19	0	Santa Ana	SA	SV
1550	13353895	Berta Dina Morataya Portillo	13353087	13353087	\$ (786.00)	\$ (17,636.80)	\$ (17,636.80)	telexfreeben@gmail.com	50379234039	50379234039	danim9	8/22/67	12/19/13		Poligono D Senda #5	19	0	Santa Ana	SA	SV
1551	13353913	Berta Dina Morataya Portillo	13353087	13353087	\$ (926.00)	\$ (17,636.80)	\$ (17,636.80)	telexfreeben@gmail.com	50379234039	50379234039	danim10	8/22/67	12/19/13		Poligono D Senda #5	19	0	Santa Ana	SA	SV
1552	13353947	Berta Dina Morataya Portillo	13353087	13353087	\$ (1,125.60)	\$ (17,636.80)	\$ (17,636.80)	telexfreeben@gmail.com	50379234039	50379234039	danim11	8/22/67	12/19/13		Poligono D Senda #5	19	0	Santa Ana	SA	SV
1553	13354129	Berta Dina Morataya Portillo	13353087	13353087	\$ (786.00)	\$ (17,636.80)	\$ (17,636.80)	telexfreeben@gmail.com	50379234039	50379234039	danim05	8/22/67	12/19/13		Poligono D Senda #5	19	0	Santa Ana	SA	SV
1554	13428571	jose posada	11219817	11219817	\$ (99.80)	\$ (4,606.80)	\$ (3,658.70)	telexfreeben@gmail.com	6179533968	6179533968	1even		12/21/13		41 Heath St		2149	everett	MA	US
1555	13449247	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	22topa1		12/22/13		14 Illinois Ave		2145	Somerville	MA	US
1556	13449253	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	22topa2		12/22/13		14 Illinois Ave		2145	Somerville	MA	US
1557	13449279	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	22topa3		12/22/13		14 Illinois Ave		2145	Somerville	MA	US
1558	13449287	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	22topa4		12/22/13		14 Illinois Ave		2145	Somerville	MA	US
1559	13449305	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	22topa5		12/22/13		14 Illinois Ave		2145	Somerville	MA	US
1560	13488779	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	1dani2		12/23/13		14 Illinois Ave		2145	Somerville	MA	US
1561	13488843	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	1dani3		12/23/13		14 Illinois Ave		2145	Somerville	MA	US
1562	13488869	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	1dani4		12/23/13		14 Illinois Ave		2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
1563	13488887	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	1dani5		12/23/13		14 Illinois Ave		2145	Somerville	MA	US
1564	13489293	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	2danim1		12/23/13		14 Illinois Ave		2145	Somerville	MA	US
1565	13489311	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	2danim2		12/23/13		14 Illinois Ave		2145	Somerville	MA	US
1566	13489317	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	2danim3		12/23/13		14 Illinois Ave		2145	Somerville	MA	US
1567	13489341	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	2danim4		12/23/13		14 Illinois Ave		2145	Somerville	MA	US
1568	13489351	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	2danim5		12/23/13		14 Illinois Ave		2145	Somerville	MA	US
1569	13489509	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	3dani1		12/23/13		14 Illinois Ave		2145	Somerville	MA	US
1570	13489533	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	3dani2		12/23/13		14 Illinois Ave		2145	Somerville	MA	US
1571	13489565	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	3dani4		12/23/13		14 Illinois Ave		2145	Somerville	MA	US
1572	13489575	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	3dani5		12/23/13		14 Illinois Ave		2145	Somerville	MA	US
1573	13489631	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	3dani04		12/23/13		14 Illinois Ave		2145	Somerville	MA	US
1574	13489803	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	5dani1		12/23/13		14 Illinois Ave		2145	Somerville	MA	US
1575	13489817	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	5dani2		12/23/13		14 Illinois Ave		2145	Somerville	MA	US
1576	13489829	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	5dani3		12/23/13		14 Illinois Ave		2145	Somerville	MA	US
1577	13489841	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	5dani4		12/23/13		14 Illinois Ave		2145	Somerville	MA	US
1578	13489851	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	5dani05		12/23/13		14 Illinois Ave		2145	Somerville	MA	US
1579	13489975	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	05dani1		12/23/13		14 Illinois Ave		2145	Somerville	MA	US
1580	13490009	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	05dani2		12/23/13		14 Illinois Ave		2145	Somerville	MA	US
1581	13490021	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	05dani3		12/23/13		14 Illinois Ave		2145	Somerville	MA	US
1582	13490031	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	05dani4		12/23/13		14 Illinois Ave		2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
1583	13490049	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	05dani5		12/23/13		14 Illinois Ave		2145	Somerville	MA	US
1584	13490105	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	6dani1		12/23/13		14 Illinois Ave		2145	Somerville	MA	US
1585	13490109	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	6dani2		12/23/13		14 Illinois Ave		2145	Somerville	MA	US
1586	13490119	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	6dani3		12/23/13		14 Illinois Ave		2145	Somerville	MA	US
1587	13490125	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	6dani4		12/23/13		14 Illinois Ave		2145	Somerville	MA	US
1588	13490129	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	6dani5		12/23/13		14 Illinois Ave		2145	Somerville	MA	US
1589	13490269	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	7dani1		12/23/13		14 Illinois Ave		2145	Somerville	MA	US
1590	13490281	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	7dani2		12/23/13		14 Illinois Ave		2145	Somerville	MA	US
1591	13490295	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	7dani3		12/23/13		14 Illinois Ave		2145	Somerville	MA	US
1592	13490299	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	7dani4		12/23/13		14 Illinois Ave		2145	Somerville	MA	US
1593	13490311	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	7dani5		12/23/13		14 Illinois Ave		2145	Somerville	MA	US
1594	13490369	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	8dani1		12/23/13		14 Illinois Ave		2145	Somerville	MA	US
1595	13490395	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	8dani2		12/23/13		14 Illinois Ave		2145	Somerville	MA	US
1596	13490401	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	8dani3		12/23/13		14 Illinois Ave		2145	Somerville	MA	US
1597	13490417	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	8dani4		12/23/13		14 Illinois Ave		2145	Somerville	MA	US
1598	13490433	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	8dani5		12/23/13		14 Illinois Ave		2145	Somerville	MA	US
1599	13490563	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	9dani1		12/23/13		14 Illinois Ave		2145	Somerville	MA	US
1600	13490581	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	9dani2		12/23/13		14 Illinois Ave		2145	Somerville	MA	US
1601	13490597	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	9dani3		12/23/13		14 Illinois Ave		2145	Somerville	MA	US
1602	13490625	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	9dani4		12/23/13		14 Illinois Ave		2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
1603	13490677	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	9dani5		12/23/13		14 Illinois Ave		2145	Somerville	MA	US
1604	13490819	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	10dani1		12/23/13		14 Illinois Ave		2145	Somerville	MA	US
1605	13490847	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	10dani2		12/23/13		14 Illinois Ave		2145	Somerville	MA	US
1606	13490857	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	10dani3		12/23/13		14 Illinois Ave		2145	Somerville	MA	US
1607	13490871	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	10dani4		12/23/13		14 Illinois Ave		2145	Somerville	MA	US
1608	13490887	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	10dani5		12/23/13		14 Illinois Ave		2145	Somerville	MA	US
1609	13491027	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	11dani1		12/23/13		14 Illinois Ave		2145	Somerville	MA	US
1610	13491045	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	11dani2		12/23/13		14 Illinois Ave		2145	Somerville	MA	US
1611	13491051	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	11dani3		12/23/13		14 Illinois Ave		2145	Somerville	MA	US
1612	13491063	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	11dani4		12/23/13		14 Illinois Ave		2145	Somerville	MA	US
1613	13491077	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	11dani5		12/23/13		14 Illinois Ave		2145	Somerville	MA	US
1614	13536733	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	tigrito1	12/1/79	12/25/13		14 Illinois Ave		2145	Somerville	MA	US
1615	13537131	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	1rosa101		12/25/13		14 Illinois Ave		2145	Somerville	MA	US
1616	13537205	Concepcion Argueta	6067202	4749006	\$ (49.90)	\$ (21,040.10)	\$ (19,543.10)	telexfreeben@gmail.com	3396748614	3396748614	11rosa1		12/25/13		14 Illinois Ave		2145	Somerville	MA	US
1617	13576589	Benjamin Argueta	2522900	2522900	\$ (1,275.30)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino53	12/1/76	12/27/13		14 Illinois ave	1	2145	Somerville	MA	US
1618	13576613	Benjamin Argueta	2522900	2522900	\$ (149.70)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1julisaa01		12/27/13		14 Illinois ave	1	2145	Somerville	MA	US
1619	13576733	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1chelino53		12/27/13		14 Illinois ave	1	2145	Somerville	MA	US
1620	13576775	Benjamin Argueta	2522900	2522900	\$ (1,375.10)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino54	12/1/76	12/27/13		14 Illinois ave	1	2145	Somerville	MA	US
1621	13576781	Benjamin Argueta	2522900	2522900	\$ (1,375.10)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino55	12/1/76	12/27/13		14 Illinois ave	1	2145	Somerville	MA	US
1622	13576911	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1chelino54		12/27/13		14 Illinois ave	1	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
1623	13576943	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino56	12/1/76	12/27/13		14 Illinois ave	1	2145	Somerville	MA	US
1624	13576953	Benjamin Argueta	2522900	2522900	\$ (1,375.10)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino57	12/1/76	12/27/13		14 Illinois ave	1	2145	Somerville	MA	US
1625	13577189	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1chelino055		12/27/13		14 Illinois ave	1	2145	Somerville	MA	US
1626	13577211	Benjamin Argueta	2522900	2522900	\$ (1,375.10)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino58	12/1/76	12/27/13		14 Illinois ave	1	2145	Somerville	MA	US
1627	13577227	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino59	12/1/76	12/27/13		14 Illinois ave	1	2145	Somerville	MA	US
1628	13591445	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1chelino57		12/27/13		14 Illinois ave	1	2145	Somerville	MA	US
1629	13591637	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino60	12/1/76	12/27/13		14 Illinois ave	1	2145	Somerville	MA	US
1630	13591673	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino61	12/1/76	12/27/13		14 Illinois ave	1	2145	Somerville	MA	US
1631	13592083	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1chelino58		12/27/13		14 Illinois ave	1	2145	Somerville	MA	US
1632	13592283	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino62	12/1/76	12/27/13		14 Illinois ave	1	2145	Somerville	MA	US
1633	13592317	Benjamin Argueta	2522900	2522900	\$ (1,375.10)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino63	12/1/76	12/27/13		14 Illinois ave	1	2145	Somerville	MA	US
1634	13606997	Celio Sousa	11352329	11352329	\$ (99.80)	\$ (41,568.80)	\$ (41,668.60)	telexfreeben@gmail.com	8579912353	8579912353	3celioos03		12/27/13		965 fellsway	5	2155	Medford	MA	US
1635	13607041	celio sousa	11352329	11352329	\$ (99.80)	\$ (41,568.80)	\$ (41,668.60)	telexfreeben@gmail.com	8579912353	8579912353	5celioos05		12/27/13		965 fellsway	5	2155	medford	MA	US
1636	13607373	celio sousa	11352329	11352329	\$ (149.70)	\$ (41,568.80)	\$ (41,668.60)	telexfreeben@gmail.com	8579912353	8579912353	1celioos01		12/27/13		965 fellsway	5	2155	Medford	MA	US
1637	13611463	Celio Sousa	11352329	11352329	\$ (1,425.00)	\$ (41,568.80)	\$ (41,668.60)	telexfreeben@gmail.com	8579912353	8579912353	celioos12	5/2/76	12/27/13		965 fellsway	5	2155	Medford	MA	US
1638	13611497	Celio Sousa	11352329	11352329	\$ (1,425.00)	\$ (41,568.80)	\$ (41,668.60)	telexfreeben@gmail.com	8579912353	8579912353	celioos14	5/2/76	12/27/13		965 fellsway	5	2155	Medford	MA	US
1639	13611853	Celio Sousa	11352329	11352329	\$ (1,425.00)	\$ (41,568.80)	\$ (41,668.60)	telexfreeben@gmail.com	8579912353	8579912353	celioos13	5/2/76	12/27/13		965 fellsway	5	2155	Medford	MA	US
1640	13611873	Celio Sousa	11352329	11352329	\$ (1,425.00)	\$ (41,568.80)	\$ (41,668.60)	telexfreeben@gmail.com	8579912353	8579912353	celioos17	5/2/76	12/27/13		965 fellsway	5	2155	Medford	MA	US
1641	13612111	Celio Sousa	11352329	11352329	\$ (99.80)	\$ (41,568.80)	\$ (41,668.60)	telexfreeben@gmail.com	8579912353	8579912353	14celioos14		12/27/13		965 fellsway	5	2155	Medford	MA	US
1642	13612163	Celio Sousa	11352329	11352329	\$ (1,425.00)	\$ (41,568.80)	\$ (41,668.60)	telexfreeben@gmail.com	8579912353	8579912353	celioos15	5/2/76	12/27/13		965 fellsway	5	2155	Medford	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
1643	13612171	Celio Sousa	11352329	11352329	\$ (1,425.00)	\$ (41,568.80)	\$ (41,668.60)	telexfreeben@gmail.com	8579912353	8579912353	celioos16	5/2/76	12/27/13		965 fellsway	5	2155	Medford	MA	US
1644	13612351	Celio Sousa	11352329	11352329	\$ (99.80)	\$ (41,568.80)	\$ (41,668.60)	telexfreeben@gmail.com	8579912353	8579912353	15celioos15		12/27/13		965 fellsway	5	2155	Medford	MA	US
1645	13612399	Celio Sousa	11352329	11352329	\$ (1,425.00)	\$ (41,568.80)	\$ (41,668.60)	telexfreeben@gmail.com	8579912353	8579912353	celioos18	5/2/76	12/27/13		965 fellsway	5	2155	Medford	MA	US
1646	13612411	Celio Sousa	11352329	11352329	\$ (1,425.00)	\$ (41,568.80)	\$ (41,668.60)	telexfreeben@gmail.com	8579912353	8579912353	celioos19	5/2/76	12/27/13		965 fellsway	5	2155	Medford	MA	US
1647	13612679	Celio Sousa	11352329	11352329	\$ (99.80)	\$ (41,568.80)	\$ (41,668.60)	telexfreeben@gmail.com	8579912353	8579912353	16celioos16		12/27/13		965 fellsway	5	2155	Medford	MA	US
1648	13612721	Celio Sousa	11352329	11352329	\$ (1,425.00)	\$ (41,568.80)	\$ (41,668.60)	telexfreeben@gmail.com	8579912353	8579912353	celioos20	5/2/76	12/27/13		965 fellsway	5	2155	Medford	MA	US
1649	13612735	Celio Sousa	11352329	11352329	\$ (1,425.00)	\$ (41,568.80)	\$ (41,668.60)	telexfreeben@gmail.com	8579912353	8579912353	celioos21	5/2/76	12/27/13		965 fellsway	5	2155	Medford	MA	US
1650	13612921	Celio Sousa	11352329	11352329	\$ (49.90)	\$ (41,568.80)	\$ (41,668.60)	telexfreeben@gmail.com	8579912353	8579912353	17celioos17		12/27/13		965 fellsway	5	2155	Medford	MA	US
1651	13612963	Celio Sousa	11352329	11352329	\$ (1,425.00)	\$ (41,568.80)	\$ (41,668.60)	telexfreeben@gmail.com	8579912353	8579912353	celioos22	5/2/76	12/27/13		965 fellsway	5	2155	Medford	MA	US
1652	13612979	Celio Sousa	11352329	11352329	\$ (1,425.00)	\$ (41,568.80)	\$ (41,668.60)	telexfreeben@gmail.com	8579912353	8579912353	celioos23	5/2/76	12/27/13		965 fellsway	5	2155	Medford	MA	US
1653	13613187	Celio Sousa	11352329	11352329	\$ (99.80)	\$ (41,568.80)	\$ (41,668.60)	telexfreeben@gmail.com	8579912353	8579912353	2celioos02		12/27/13		965 fellsway	5	2155	Medford	MA	US
1654	13613235	Celio Sousa	11352329	11352329	\$ (1,425.00)	\$ (41,568.80)	\$ (41,668.60)	telexfreeben@gmail.com	8579912353	8579912353	celioos24	5/2/76	12/27/13		965 fellsway	5	2155	Medford	MA	US
1655	13643317	Benjamin Argueta	2522900	13643317	\$ (149.70)	\$ (249.50)	\$ 4,012,998.90	telexall@gmail.com	6173086292	6173086292	1cademm24		12/28/13		61 Shore Drive	1	2145	Somerville	MA	US
1656	13646577	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1yurialarcon01		12/28/13		14 Illinois ave	1	2145	Somerville	MA	US
1657	13674439	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	10mincho		12/29/13		14 Illinois Av		2145	Somerville	MA	US
1658	13923375	Benjamin Argueta	2522900	2522900	\$ (676.50)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benigna12	12/1/76	1/5/14		14 Illinois ave	1	2145	Somerville	MA	US
1659	13923441	Benjamin Argueta	2522900	2522900	\$ (199.60)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1chelino9		1/5/14		14 Illinois ave	1	2145	Somerville	MA	US
1660	13923805	Benjamin Argueta	2522900	2522900	\$ (199.60)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1benigna12		1/5/14		14 Illinois ave	1	2145	Somerville	MA	US
1661	13924217	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benigna13	12/1/76	1/5/14		14 Illinois ave	1	2145	Somerville	MA	US
1662	13924233	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benigna14	12/1/76	1/5/14		14 Illinois ave	1	2145	Somerville	MA	US



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_nu_mero	rep_cep	city	state_code	country_code
1663	13924249	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benigna15	12/1/76	1/5/14		14 Illinois ave	1	2145	Somerville	MA	US
1664	13924269	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benigna16	12/1/76	1/5/14		14 Illinois ave	1	2145	Somerville	MA	US
1665	13924309	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benigna17	12/1/76	1/5/14		14 Illinois ave	1	2145	Somerville	MA	US
1666	13924329	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benigna18	12/1/76	1/5/14		14 Illinois ave	1	2145	Somerville	MA	US
1667	13924367	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benigna19	12/1/76	1/5/14		14 Illinois ave	1	2145	Somerville	MA	US
1668	13924387	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benigna20	12/1/76	1/5/14		14 Illinois ave	1	2145	Somerville	MA	US
1669	13924419	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benigna21	12/1/76	1/5/14		14 Illinois ave	1	2145	Somerville	MA	US
1670	13924461	Benjamin Argueta	2522900	2522900	\$ (1,275.30)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benigna22	12/1/76	1/5/14		14 Illinois ave	1	2145	Somerville	MA	US
1671	13951785	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	12benigna2		1/6/14		14 Illinois Av		2145	Somerville	MA	US
1672	13951821	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	12benigna3		1/6/14		14 Illinois Av		2145	Somerville	MA	US
1673	13951839	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	12benigna4		1/6/14		14 Illinois Av		2145	Somerville	MA	US
1674	13951867	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	12benigna5		1/6/14		14 Illinois Av		2145	Somerville	MA	US
1675	13952139	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	13benigna1		1/6/14		14 Illinois Av		2145	Somerville	MA	US
1676	13952193	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	13benigna2		1/6/14		14 Illinois Av		2145	Somerville	MA	US
1677	13952231	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	13benigna3		1/6/14		14 Illinois Av		2145	Somerville	MA	US
1678	13952249	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	13benigna4		1/6/14		14 Illinois Av		2145	Somerville	MA	US
1679	13952279	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	13benigna5		1/6/14		14 Illinois Av		2145	Somerville	MA	US
1680	13952415	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	14benigna1		1/6/14		14 Illinois Av		2145	Somerville	MA	US
1681	13952433	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	14benigna2		1/6/14		14 Illinois Av		2145	Somerville	MA	US
1682	13952465	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	14benigna3		1/6/14		14 Illinois Av		2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
1683	13952491	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	14benigna4		1/6/14		14 Illinois Av		2145	Somerville	MA	US
1684	13952535	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	14benigna5		1/6/14		14 Illinois Av		2145	Somerville	MA	US
1685	13952655	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	15benigna1		1/6/14		14 Illinois Av		2145	Somerville	MA	US
1686	13952673	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	15benigna2		1/6/14		14 Illinois Av		2145	Somerville	MA	US
1687	13952681	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	15benigna3		1/6/14		14 Illinois Av		2145	Somerville	MA	US
1688	13952703	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	15benigna4		1/6/14		14 Illinois Av		2145	Somerville	MA	US
1689	13952719	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	15benigna5		1/6/14		14 Illinois Av		2145	Somerville	MA	US
1690	13952835	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	16benigna1		1/6/14		14 Illinois Av		2145	Somerville	MA	US
1691	13952855	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	16benigna2		1/6/14		14 Illinois Av		2145	Somerville	MA	US
1692	13952879	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	16benigna3		1/6/14		14 Illinois Av		2145	Somerville	MA	US
1693	13952897	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	16benigna4		1/6/14		14 Illinois Av		2145	Somerville	MA	US
1694	13952921	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	16benigna5		1/6/14		14 Illinois Av		2145	Somerville	MA	US
1695	13953255	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	17benigna1		1/6/14		14 Illinois Av		2145	Somerville	MA	US
1696	13953279	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	17benigna2		1/6/14		14 Illinois Av		2145	Somerville	MA	US
1697	13953297	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	17benigna3		1/6/14		14 Illinois Av		2145	Somerville	MA	US
1698	13953343	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	17benigna4		1/6/14		14 Illinois Av		2145	Somerville	MA	US
1699	13953359	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	17benigna5		1/6/14		14 Illinois Av		2145	Somerville	MA	US
1700	13953427	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	18benigna1		1/6/14		14 Illinois Av		2145	Somerville	MA	US
1701	13953451	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	18benigna2		1/6/14		14 Illinois Av		2145	Somerville	MA	US
1702	13953475	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	18benigna3		1/6/14		14 Illinois Av		2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
1703	13953487	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	18benigna4		1/6/14		14 Illinois Av		2145	Somerville	MA	US
1704	13953505	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	18benigna5		1/6/14		14 Illinois Av		2145	Somerville	MA	US
1705	13953867	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	19benigna1		1/6/14		14 Illinois Av		2145	Somerville	MA	US
1706	13953893	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	19benigna2		1/6/14		14 Illinois Av		2145	Somerville	MA	US
1707	13953915	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	19benigna3		1/6/14		14 Illinois Av		2145	Somerville	MA	US
1708	13953945	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	19benigna4		1/6/14		14 Illinois Av		2145	Somerville	MA	US
1709	13953967	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	19benigna5		1/6/14		14 Illinois Av		2145	Somerville	MA	US
1710	13992561	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	20benigna1		1/7/14		14 Illinois Av		2145	Somerville	MA	US
1711	13992605	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	20benigna2		1/7/14		14 Illinois Av		2145	Somerville	MA	US
1712	13992643	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	20benigna3		1/7/14		14 Illinois Av		2145	Somerville	MA	US
1713	13992693	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	20benigna4		1/7/14		14 Illinois Av		2145	Somerville	MA	US
1714	13992707	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	20benigna5		1/7/14		14 Illinois Av		2145	Somerville	MA	US
1715	13992795	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	21benigna1		1/7/14		14 Illinois Av		2145	Somerville	MA	US
1716	13992815	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	21benigna2		1/7/14		14 Illinois Av		2145	Somerville	MA	US
1717	13992837	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	21benigna3		1/7/14		14 Illinois Av		2145	Somerville	MA	US
1718	13992855	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	21benigna4		1/7/14		14 Illinois Av		2145	Somerville	MA	US
1719	13992893	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	21benigna5		1/7/14		14 Illinois Av		2145	Somerville	MA	US
1720	13992961	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	22benigna1		1/7/14		14 Illinois Av		2145	Somerville	MA	US
1721	13992969	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	22benigna2		1/7/14		14 Illinois Av		2145	Somerville	MA	US
1722	13992997	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	22benigna3		1/7/14		14 Illinois Av		2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
1723	13993023	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	22benigna4		1/7/14		14 Illinois Av		2145	Somerville	MA	US
1724	13993035	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	22benigna5		1/7/14		14 Illinois Av		2145	Somerville	MA	US
1725	14007429	Benjamin Argueta	2522900	2522900	\$ (199.60)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	2chelinito1		1/7/14		14 Illinois Av		2145	Somerville	MA	US
1726	14007481	Benjamin Argueta	2522900	2522900	\$ (1,325.20)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelinito5	12/1/76	1/7/14		14 Illinois ave	1	2145	Somerville	MA	US
1727	14007519	Benjamin Argueta	2522900	2522900	\$ (199.60)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	3chelinito1		1/7/14		14 Illinois Av		2145	Somerville	MA	US
1728	14007525	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelinito8	12/1/76	1/7/14		14 Illinois ave	1	2145	Somerville	MA	US
1729	14007571	Benjamin Argueta	2522900	2522900	\$ (1,375.10)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelinito6	12/1/76	1/7/14		14 Illinois ave	1	2145	Somerville	MA	US
1730	14007587	Benjamin Argueta	2522900	2522900	\$ (1,375.10)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelinito7	12/1/76	1/7/14		14 Illinois ave	1	2145	Somerville	MA	US
1731	14008047	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	5chelinito1		1/7/14		14 Illinois Av		2145	Somerville	MA	US
1732	14008099	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	6chelinito1		1/7/14		14 Illinois Av		2145	Somerville	MA	US
1733	14008145	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	7chelinito1		1/7/14		14 Illinois Av		2145	Somerville	MA	US
1734	14008305	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelinito9	12/1/76	1/7/14		14 Illinois ave	1	2145	Somerville	MA	US
1735	14008419	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelinito10	12/1/76	1/7/14		14 Illinois ave	1	2145	Somerville	MA	US
1736	14009223	Benjamin Argueta	2522900	2522900	\$ (1,375.10)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino64	12/1/76	1/7/14		14 Illinois ave	1	2145	Somerville	MA	US
1737	14009899	Benjamin Argueta	2522900	2522900	\$ (1,375.10)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino65	12/1/76	1/7/14		14 Illinois ave		2145	Somerville	MA	US
1738	14009929	Benjamin Argueta	2522900	2522900	\$ (1,125.60)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino66	12/1/76	1/7/14		14 Illinois ave		2145	Somerville	MA	US
1739	14010009	Benjamin Argueta	2522900	2522900	\$ (149.70)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1chelino64		1/7/14		14 Illinois ave	1	2145	Somerville	MA	US
1740	14010451	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino67	12/1/76	1/7/14		14 Illinois ave	1	2145	Somerville	MA	US
1741	14010473	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino68	12/1/76	1/7/14		14 Illinois ave	1	2145	Somerville	MA	US
1742	14010519	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino69	12/1/76	1/7/14		14 Illinois ave	1	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
1743	14010595	Benjamin Argueta	2522900	2522900	\$ (149.70)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1chelino66		1/7/14		14 Illinois ave	1	2145	Somerville	MA	US
1744	14010633	Benjamin Argueta	2522900	2522900	\$ (149.70)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1chelino65		1/7/14		14 Illinois ave	1	2145	Somerville	MA	US
1745	14139615	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	dargueta3@hotmail.com	8572598240	8572598240	0jonathana		1/10/14		34 Minnesota Ave		2145	Somerville	MA	US
1746	14257923	Benjamin Argueta	2522900	2522900	\$ 607,229.80	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol18	12/1/76	1/13/14		14 Illinois ave	1	2145	Somerville		US
1747	14258603	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	marlonb20	12/1/76	1/13/14		14 Illinois ave	1	2145	Somerville	MA	US
1748	14260545	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	marlonb21	12/1/76	1/13/14		14 Illinois ave	1	2145	Somerville	MA	US
1749	14260595	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	marlonb22	12/1/76	1/13/14		14 Illinois ave	1	2145	Somerville	MA	US
1750	14260753	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1marlonb20		1/13/14		14 Illinois ave	1	2145	Somerville	MA	US
1751	14281409	Benjamin Argueta	2522900	2522900	\$ (1,075.70)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol19	12/1/76	1/13/14		14 Illinois ave	1	2145	Somerville	MA	US
1752	14281645	Benjamin Argueta	2522900	2522900	\$ (1,125.60)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol20	12/1/76	1/13/14		14 Illinois ave	1	2145	Somerville	MA	US
1753	14281697	Benjamin Argueta	2522900	2522900	\$ (1,125.60)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol21	12/1/76	1/13/14		14 Illinois ave	1	2145	Somerville	MA	US
1754	14282247	benjamin argueta	2522900	2522900	\$ (149.70)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol1801		1/13/14		14 illinois st		2145	somerville	MA	US
1755	14282423	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol1901		1/13/14		14 illinois st		2145	somerville	MA	US
1756	14282581	benjamin argueta	2522900	2522900	\$ (149.70)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol191		1/13/14		14 illinois st		2145	somerville	MA	US
1757	14282647	Benjamin Argueta	2522900	2522900	\$ (1,125.60)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol22	12/1/76	1/13/14		14 Illinois ave	1	2145	Somerville	MA	US
1758	14282663	benjamin argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	01mayasol20		1/13/14		14 illinois st		2145	somerville	MA	US
1759	14282675	Benjamin Argueta	2522900	2522900	\$ (1,125.60)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol23	12/1/76	1/13/14		14 Illinois ave	1	2145	Somerville	MA	US
1760	14282817	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol24	12/1/76	1/13/14		14 Illinois ave	1	2145	Somerville	MA	US
1761	14282843	Benjamin Argueta	2522900	2522900	\$ (1,125.60)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol25	12/1/76	1/13/14		14 Illinois ave	1	2145	Somerville	MA	US
1762	14282941	benjamin argueta	2522900	2522900	\$ (149.70)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol2101		1/13/14		14 illinois st	1	2145	somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_nu_mero	rep_cep	city	state_code	country_code
1763	14283699	benjamin argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol26	12/1/76	1/13/14		14 illinois st	1	2145	somerville	MA	US
1764	14283743	benjamin argueta	2522900	2522900	\$ (1,325.20)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol27	12/1/76	1/13/14		14 illinois st	1	2145	somerville	MA	US
1765	14283789	Benjamin argueta	2522900	2522900	\$ (149.70)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1mayasol25		1/13/14		14 Illinois ave	1	2145	Somerville	MA	US
1766	14283791	benjamin argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol28	12/1/76	1/13/14		14 illinois st	1	2145	somerville	MA	US
1767	14283821	Benjamin argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1mayasol24		1/13/14		14 Illinois ave	1	2145	Somerville	MA	US
1768	14283969	Benjamin argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1mayasol23		1/13/14		14 Illinois ave	1	2145	Somerville	MA	US
1769	14283975	benjamin argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol29	12/1/76	1/13/14		14 illinois st	1	2145	somerville	MA	US
1770	14284041	Benjamin argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1mayasol22		1/13/14		14 Illinois ave	1	2145	Somerville	MA	US
1771	14284075	benjamin argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol30	12/1/76	1/13/14		14 illinois st	1	2145	somerville	MA	US
1772	14284095	benjamin argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol31	12/1/76	1/13/14		14 illinois st	1	2145	somerville	MA	US
1773	14284145	benjamin argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol32	12/1/76	1/13/14		14 illinois st	1	2145	somerville	MA	US
1774	14284515	benjamin argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol33	12/1/76	1/13/14		14 illinois st		2145	somerville	MA	US
1775	14387629	Benjamin Argueta	2522900	2522900	\$ (149.70)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1elmera1		1/15/14		14 Illinois Av		2145	Somerville	MA	US
1776	14388155	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	elmera6	12/1/76	1/15/14		14 Illinois Av		2145	Somerville		US
1777	14835699	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	vasquez5001		1/24/14		14 Illinois Av		2145	Somerville	MA	US
1778	15214885	Benjamin Argueta	2522900	2522900	\$ (149.70)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	01chelinito1		1/31/14		14 Illinois ave	1	2145	Somerville	MA	US
1779	15215571	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	4chelinito1		1/31/14		14 Illinois ave	1	2145	Somerville	MA	US
1780	15223717	Benjamin Argueta	2522900	2522900	\$ (149.70)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1chelino10		1/31/14		14 Illinois ave	1	2145	Somerville	MA	US
1781	15256781	Benjamin Argueta	2522900	2522900	\$ 42,173.30	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino70	12/1/76	2/1/14		14 Illinois ave	1	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_nu_mero	rep_cep	city	state_code	country_code
1782	15257589	benjamin argueta	2522900	2522900	\$ 8,599.90	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino71	12/1/76	2/1/14		14 illinois st	1	2145	somerville	MA	US
1783	15257761	benjamin argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino72	12/1/76	2/1/14		14 illinois st	1	2145	somerville	MA	US
1784	15258053	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino73	12/1/76	2/1/14		14 illinois st	1	2145	somerville	MA	US
1785	15258109	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino74	12/1/76	2/1/14		14 illinois st	1	2145	somerville	MA	US
1786	15258217	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino75	12/1/76	2/1/14		14 illinois st	1	2145	somerville	MA	US
1787	15258273	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino76	12/1/76	2/1/14		14 illinois st	1	2145	somerville	MA	US
1788	15258787	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	1chelino70		2/1/14		14 Illinois ave	1	2145	Somerville	MA	US
1789	15259619	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	chelino071		2/1/14		14 Illinois ave	1	2145	Somerville	MA	US
1790	15259723	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	chelino072		2/1/14		14 Illinois ave	1	2145	Somerville	MA	US
1791	15259761	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino79	12/1/76	2/1/14		14 illinois st	1	2145	somerville	MA	US
1792	15259865	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	chelino074		2/1/14		14 Illinois ave	1	2145	Somerville	MA	US
1793	15259873	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino80	12/1/76	2/1/14		14 illinois st	1	2145	somerville	MA	US
1794	15259921	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	chelino075		2/1/14		14 Illinois ave	1	2145	Somerville	MA	US
1795	15259961	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	benjamin_gauchao@yahoo.com	8572598240	8572598240	chelino076		2/1/14		14 Illinois ave	1	2145	Somerville	MA	US
1796	15260019	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino81	12/1/76	2/1/14		14 illinois st	1	2145	somerville	MA	US
1797	15260059	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino82	12/1/76	2/1/14		14 illinois st	1	2145	somerville	MA	US
1798	15260113	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino83	12/1/76	2/1/14		14 illinois st	1	2145	somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_nu_mero	rep_cep	city	state_code	country_code
1799	15260149	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino84	12/1/76	2/1/14		14 illinois st	1	2145	somerville	MA	US
1800	15264521	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino85	12/1/76	2/1/14		14 illinois st	1	2145	somerville	MA	US
1801	15264629	Benjamin Argueta	2522900	2522900	\$ (149.70)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1chelino11		2/1/14		14 Illinois ave	1	2145	Somerville	MA	US
1802	15264655	Benjamin Argueta	2522900	2522900	\$ (1,375.10)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino86	12/1/76	2/1/14		14 illinois st	1	2145	somerville	MA	US
1803	15265025	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino87	12/1/76	2/1/14		14 illinois st	1	2145	somerville	MA	US
1804	15265041	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1chelino86		2/1/14		14 Illinois ave	1	2145	Somerville	MA	US
1805	15265069	Benjamin Argueta	2522900	2522900	\$ (1,375.10)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino88	12/1/76	2/1/14		14 illinois st	1	2145	somerville	MA	US
1806	15265535	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino89	12/1/76	2/1/14		14 illinois st	1	2145	somerville	MA	US
1807	15265549	Benjamin Argueta	2522900	2522900	\$ (149.70)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1chelino87		2/1/14		14 Illinois ave	1	2145	Somerville	MA	US
1808	15265569	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino90	12/1/76	2/1/14		14 illinois st	1	2145	somerville	MA	US
1809	15265663	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino91	12/1/76	2/1/14		14 illinois st	1	2145	somerville	MA	US
1810	15265673	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1chelino88		2/1/14		14 Illinois ave	1	2145	Somerville	MA	US
1811	15265701	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino92	12/1/76	2/1/14		14 illinois st	1	2145	somerville	MA	US
1812	15265969	Benjamin Argueta	2522900	2522900	\$ (149.70)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1chelino89		2/1/14		14 Illinois ave	1	2145	Somerville	MA	US
1813	15265995	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1chelino90		2/1/14		14 Illinois ave	1	2145	Somerville	MA	US
1814	15266237	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1chelino91		2/1/14		14 Illinois ave	1	2145	Somerville	MA	US
1815	15266419	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino93	12/1/76	2/1/14		14 illinois st	1	2145	somerville	MA	US
1816	15266463	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino94	12/1/76	2/1/14		14 illinois st	1	2145	somerville	MA	US
1817	15266515	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino95	12/1/76	2/1/14		14 illinois st	1	2145	somerville	MA	US
1818	15266561	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino96	12/1/76	2/1/14		14 illinois st	1	2145	somerville	MA	US



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
1819	15266627	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino97	12/1/76	2/1/14		14 illinois st	1	2145	somerville	MA	US
1820	15266657	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino98	12/1/76	2/1/14		14 illinois st	1	2145	somerville	MA	US
1821	15268981	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1chelino92		2/1/14		14 Illinois ave	1	2145	Somerville	MA	US
1822	15270683	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572512059	8572512059	chelino77	12/1/76	2/1/14		14 Illinois ave	1	2145	Somerville	MA	US
1823	15270799	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572512059	8572512059	chelino78	12/1/76	2/1/14		14 Illinois ave	1	2145	Somerville	MA	US
1824	15271471	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino99	12/1/76	2/1/14		14 Illinois ave	1	2145	Somerville	MA	US
1825	15271511	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino100	12/1/76	2/1/14		14 Illinois ave	1	2145	Somerville	MA	US
1826	15276771	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	49chelino49		2/1/14		14 Illinois Av		2145	Somerville	MA	US
1827	15276979	Benjamin Argueta	2522900	2522900	\$ (149.70)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	53chelino53		2/1/14		14 Illinois Av		2145	Somerville	MA	US
1828	15277299	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	54chelino54		2/1/14		14 Illinois Av		2145	Somerville	MA	US
1829	15277513	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	55chelino55		2/1/14		14 Illinois Av		2145	Somerville	MA	US
1830	15277703	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	57chelino57		2/1/14		14 Illinois Av		2145	Somerville	MA	US
1831	15277983	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	58chelino58		2/1/14		14 Illinois Av		2145	Somerville	MA	US
1832	15281405	Benjamin Argueta	2522900	2522900	\$ (149.70)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1chelino12		2/1/14		14 Illinois ave	1	2145	Somerville	MA	US
1833	15467553	Benjamin Argueta	2522900	2522900	\$ (1,035.50)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy42	12/1/76	2/5/14		14 Illinois ave		2145	Somerville	MA	US
1834	15467581	Benjamin Argueta	2522900	2522900	\$ (695.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy43	12/1/76	2/5/14		14 Illinois ave		2145	Somerville	MA	US
1835	15549079	Benjamin Argueta	2522900	2522900	\$ (149.70)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	20chelino20		2/6/14		14 Illinois Av		2145	Somerville	MA	US
1836	15549099	Benjamin Argueta	2522900	2522900	\$ (695.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy44	12/1/76	2/6/14		14 Illinois ave		2145	Somerville	MA	US
1837	15549173	Benjamin Argueta	2522900	2522900	\$ (935.70)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy45	12/1/76	2/6/14		14 Illinois ave		2145	Somerville	MA	US
1838	15549597	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	43conchy43		2/6/14		14 Illinois Av		2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_nu_mero	rep_cep	city	state_code	country_code
1839	15550151	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	44conchy44		2/6/14		14 Illinois Av		2145	Somerville	MA	US
1840	15550291	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	45conchy45		2/6/14		14 Illinois Av		2145	Somerville	MA	US
1841	15550365	Benjamin argueta	2522900	2522900	\$ (1,175.50)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy46	12/1/76	2/6/14		14 Illinois ave		2145	Somerville	MA	US
1842	15550631	Benjamin argueta	2522900	2522900	\$ (1,175.50)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy47	12/1/76	2/6/14		14 Illinois ave		2145	Somerville	MA	US
1843	15550727	Benjamin argueta	2522900	2522900	\$ (1,175.50)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy48	12/1/76	2/6/14		14 Illinois ave		2145	Somerville	MA	US
1844	15550811	Benjamin argueta	2522900	2522900	\$ (1,175.50)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy49	12/1/76	2/6/14		14 Illinois ave		2145	Somerville	MA	US
1845	15551435	Benjamin argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy50	12/1/76	2/6/14		14 Illinois ave		2145	Somerville	MA	US
1846	15551593	Benjamin argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy51	12/1/76	2/6/14		14 Illinois ave		2145	Somerville	MA	US
1847	15551657	Benjamin argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy52	12/1/76	2/6/14		14 Illinois ave		2145	Somerville	MA	US
1848	15551715	Benjamin argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy53	12/1/76	2/6/14		14 Illinois ave		2145	Somerville	MA	US
1849	15551933	Benjamin argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy54	12/1/76	2/6/14		14 Illinois ave		2145	Somerville	MA	US
1850	15551999	Benjamin argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy55	12/1/76	2/6/14		14 Illinois ave		2145	Somerville	MA	US
1851	15552137	Benjamin argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy56	12/1/76	2/6/14		14 Illinois ave		2145	Somerville	MA	US
1852	15552251	Benjamin argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy57	12/1/76	2/6/14		14 Illinois ave		2145	Somerville	MA	US
1853	15552993	Benjamin argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy58	12/1/76	2/6/14		14 Illinois ave		2145	Somerville	MA	US
1854	15553081	Benjamin argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy59	12/1/76	2/6/14		14 Illinois ave		2145	Somerville	MA	US
1855	15553389	Benjamin argueta	2522900	2522900	\$ (1,085.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy66	12/1/76	2/6/14		14 Illinois ave		2145	Somerville	MA	US
1856	15553521	Benjamin argueta	2522900	2522900	\$ 5,163.50	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy67	12/1/76	2/6/14		14 Illinois ave		2145	Somerville	MA	US
1857	15554883	Benjamin argueta	2522900	2522900	\$ (1,275.30)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy60	12/1/76	2/6/14		14 Illinois ave		2145	Somerville	MA	US
1858	15555005	Benjamin argueta	2522900	2522900	\$ (1,275.30)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy61	12/1/76	2/6/14		14 Illinois ave		2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_nu_mero	rep_cep	city	state_code	country_code
1859	15555231	Benjamin argueta	2522900	2522900	\$ (1,085.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy62	12/1/76	2/6/14		14 Illinois ave		2145	Somerville	MA	US
1860	15555365	Benjamin argueta	2522900	2522900	\$ (1,325.20)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy63	12/1/76	2/6/14		14 Illinois ave		2145	Somerville	MA	US
1861	15555481	Benjamin argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy64	12/1/76	2/6/14		14 Illinois ave		2145	Somerville	MA	US
1862	15555531	Benjamin argueta	2522900	2522900	\$ (1,275.30)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy65	12/1/76	2/6/14		14 Illinois ave		2145	Somerville	MA	US
1863	15563239	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	46conchy46		2/6/14		14 Illinois Av		2145	Somerville	MA	US
1864	15563355	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	47conchy47		2/6/14		14 Illinois Av		2145	Somerville	MA	US
1865	15563513	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	48conchy48		2/6/14		14 Illinois Av		2145	Somerville	MA	US
1866	15563589	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	49conchy49		2/6/14		14 Illinois Av		2145	Somerville	MA	US
1867	15563847	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	59conchy59		2/6/14		14 Illinois Av		2145	Somerville	MA	US
1868	15563933	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	60conchy60		2/6/14		14 Illinois Av		2145	Somerville	MA	US
1869	15564025	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	61conchy61		2/6/14		14 Illinois Av		2145	Somerville	MA	US
1870	15564211	Benjamin Argueta	2522900	2522900	\$ (149.70)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	30chelino30		2/6/14		14 Illinois Av		2145	Somerville	MA	US
1871	15571469	Benjamin Argueta	2522900	2522900	\$ (1,325.20)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy68	12/1/76	2/6/14		14 Illinois ave		2145	Somerville	MA	US
1872	15571523	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy69	12/1/76	2/6/14		14 Illinois ave		2145	Somerville	MA	US
1873	15572661	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	67conchy67		2/6/14		14 Illinois Av		2145	Somerville	MA	US
1874	15574015	Celio Sousa	11352329	11352329	\$ (49.90)	\$ (41,568.80)	\$ (41,668.60)	telexfreeben@gmail.com	8579912353	8579912353	4celioos04		2/6/14		965 fellsway	1	2155	Medford	MA	US
1875	15576563	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	68conchy68		2/6/14		14 Illinois Av		2145	Somerville	MA	US
1876	15576767	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	69conchy69		2/6/14		14 Illinois Av		2145	Somerville	MA	US
1877	15577187	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy70	12/1/76	2/6/14		14 Illinois Av		2145	Somerville	MA	US
1878	15577853	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy71	12/1/76	2/6/14		14 Illinois Av		2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
1879	15578257	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy72	12/1/76	2/6/14		14 Illinois Av		2145	Somerville	MA	US
1880	15578317	Benjamin Argueta	2522900	2522900	\$ (1,325.20)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy73	12/1/76	2/6/14		14 Illinois Av		2145	Somerville	MA	US
1881	15578711	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	70conchy70		2/6/14		14 Illinois Av		2145	Somerville	MA	US
1882	15578775	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	71conchy71		2/6/14		14 Illinois Av		2145	Somerville	MA	US
1883	15578855	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	72conchy72		2/6/14		14 Illinois Av		2145	Somerville	MA	US
1884	15578921	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	73conchy73		2/6/14		14 Illinois Av		2145	Somerville	MA	US
1885	15584163	Benjamin Argueta	2522900	2522900	\$ (1,375.10)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy74	12/1/76	2/6/14		14 Illinois ave		2145	Somerville	MA	US
1886	15584225	Benjamin Argueta	2522900	2522900	\$ (1,375.10)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy75	12/1/76	2/6/14		14 Illinois ave		2145	Somerville	MA	US
1887	15584327	Benjamin Argueta	2522900	2522900	\$ (1,125.60)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy76	12/1/76	2/6/14		14 Illinois ave		2145	Somerville	MA	US
1888	15584377	Benjamin Argueta	2522900	2522900	\$ (1,225.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy77	12/1/76	2/6/14		14 Illinois ave		2145	Somerville	MA	US
1889	15584439	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy78	12/1/76	2/6/14		14 Illinois ave		2145	Somerville	MA	US
1890	15584533	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy79	12/1/76	2/6/14		14 Illinois ave		2145	Somerville	MA	US
1891	15584771	Benjamin Argueta	2522900	2522900	\$ (1,375.10)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	metapaneco2	12/1/76	2/6/14		14 Illinois ave		2145	Somerville	MA	US
1892	15585995	Celio Sousa	11352329	11352329	\$ (1,425.00)	\$ (41,568.80)	\$ (41,668.60)	telexfreeben@gmail.com	8579912353	8579912353	celioos25	5/2/76	2/6/14		965 fellsway		2155	Medford	MA	US
1893	15586509	Celio Sousa	11352329	11352329	\$ (1,425.00)	\$ (41,568.80)	\$ (41,668.60)	telexfreeben@gmail.com	8579912353	8579912353	celioos26	5/2/76	2/6/14		965 fellsway		2155	Medford	MA	US
1894	15586557	Celio Sousa	11352329	11352329	\$ (1,425.00)	\$ (41,568.80)	\$ (41,668.60)	telexfreeben@gmail.com	8579912353	8579912353	celioos27	5/2/76	2/6/14		965 fellsway		2155	Medford	MA	US
1895	15586721	Benjamin Argueta	2522900	2522900	\$ (1,375.10)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1jaimitog	12/1/76	2/6/14		14 Illinois ave		2145	Somerville	MA	US
1896	15587213	Celio Sousa	11352329	11352329	\$ (49.90)	\$ (41,568.80)	\$ (41,668.60)	telexfreeben@gmail.com	8572598240	8579912353	25celioos25		2/6/14		965 fellsway	5	2155	Medford	MA	US
1897	15587685	Benjamin Argueta	2522900	2522900	\$ (149.70)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	32chelino32		2/6/14		14 Illinois Av		2145	Somerville	MA	US
1898	15587975	Celio Sousa	11352329	11352329	\$ (49.90)	\$ (41,568.80)	\$ (41,668.60)	telexfreeben@gmail.com	8579912353	8579912353	1celioos25		2/6/14		965 fellsway	5	2155	Medford	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_nu_mero	rep_cep	city	state_code	country_code
1899	15629777	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino7301		2/7/14		14 illinois st		2145	somerville	MA	US
1900	15704817	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy80	12/1/76	2/8/14		14 Illinois Av		2145	Somerville	MA	US
1901	15704893	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy81	12/1/76	2/8/14		14 Illinois Av		2145	Somerville	MA	US
1902	15704977	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy82	12/1/76	2/8/14		14 Illinois Av		2145	Somerville	MA	US
1903	15705043	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	paulette08	12/1/76	2/8/14		14 Illinois Av		2145	Somerville	MA	US
1904	15705197	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	75conchy75		2/8/14		14 Illinois Av		2145	Somerville	MA	US
1905	15705241	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	74conchy74		2/8/14		14 Illinois Av		2145	Somerville	MA	US
1906	15795929	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol34	12/1/76	2/10/14		14 Illinois ave	1	2145	Somerville	MA	US
1907	15796481	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol35	12/1/76	2/10/14		14 Illinois ave	1	2145	Somerville	MA	US
1908	15797725	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	34mayasol34		2/10/14		14 Illinois ave	1	2145	Somerville	MA	US
1909	15797999	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	35mayasol35		2/10/14		14 Illinois ave	1	2145	Somerville	MA	US
1910	15800065	Benjamin Argueta	2522900	2522900	\$ 10,424.10	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol36	12/1/76	2/10/14		14 Illinois ave	1	2145	Somerville	MA	US
1911	15800241	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol37	12/1/76	2/10/14		14 Illinois ave	1	2145	Somerville	MA	US
1912	16103403	Berta Dina Morataya Portillo	13353087	13353087	\$ (99.80)	\$ (17,636.80)	\$ (17,636.80)	telexfreeben@gmail.com	50379234037	50379234037	2danim02		2/14/14		Poligono D senda#5		0	Santa ana	SA	SV
1913	16103567	Berta Dina Morataya Portillo	13353087	13353087	\$ (99.80)	\$ (17,636.80)	\$ (17,636.80)	telexfreeben@gmail.com	50379234037	50379234037	3danim3		2/14/14		Poligono D senda#5		0	Santa ana	SA	SV
1914	16105519	Berta Dina Morataya Portillo	13353087	13353087	\$ (1,425.00)	\$ (17,636.80)	\$ (17,636.80)	telexfreeben@gmail.com	50379234039	50379234039	danim12	8/22/67	2/14/14		Poligono D senda#5	19	0	Santa ana	SA	SV
1915	16106155	Berta Dina Morataya Portillo	13353087	13353087	\$ (1,425.00)	\$ (17,636.80)	\$ (17,636.80)	telexfreeben@gmail.com	50379234039	50379234039	danim13	8/22/67	2/14/14		Poligono D senda#5	19	0	Santa ana	SA	SV

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
1916	16106263	Berta Dina Morataya Portillo	13353087	13353087	\$ (1,425.00)	\$ (17,636.80)	\$ (17,636.80)	telexfreeben@gmail.com	50379234039	50379234039	danim14	8/22/67	2/14/14		Poligono D senda#5	19	0	Santa ana	SA	SV
1917	16393827	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	10mincho10		2/19/14		14 Illinois Av		2145	somerville	MA	US
1918	16394341	Benjamin Argueta	2522900	2522900	\$ (1,085.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy83	12/1/76	2/19/14		14 Illinois Av		2145	somerville	MA	US
1919	16401047	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	jonygtr2	12/1/76	2/19/14		14 Illinois ave		2145	Somerville	MA	US
1920	16401379	Benjamin Arugtea	2522900	16401379	\$ (49.90)	\$ (49.90)	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	jonygtr01		2/19/14		14 Illinois ave		2145	Somerville	MA	US
1921	16751685	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	76conchy76		2/24/14		14 Illinois Av		2145	somerville	MA	US
1922	16751859	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	77conchy77		2/24/14		14 Illinois Av		2145	somerville	MA	US
1923	16751939	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	78conchy78		2/24/14		14 Illinois Av		2145	somerville	MA	US
1924	16752029	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	79conchy79		2/24/14		14 Illinois Av		2145	somerville	MA	US
1925	16755031	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy84	12/1/76	2/24/14		14 Illinois Av		2145	somerville	MA	US
1926	16755507	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy85	12/1/76	2/24/14		14 Illinois Av		2145	somerville	MA	US
1927	16760719	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy86	12/1/76	2/24/14		14 Illinois Av		2145	somerville	MA	US
1928	16760819	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy87	12/1/76	2/24/14		14 Illinois Av		2145	somerville	MA	US
1929	16761423	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy88	12/1/76	2/24/14		14 Illinois Av		2145	somerville	MA	US
1930	16761523	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy89	12/1/76	2/24/14		14 Illinois Av		2145	somerville	MA	US
1931	16761993	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy90	12/1/76	2/24/14		14 Illinois Av		2145	somerville	MA	US
1932	16762123	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy91	12/1/76	2/24/14		14 Illinois Av		2145	somerville	MA	US
1933	16767655	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy92	12/1/76	2/24/14		14 Illinois Av		2145	somerville	MA	US
1934	16768169	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy93	12/1/76	2/24/14		14 Illinois Av		2145	somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
1935	16769179	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	2metapaneco2		2/24/14		14 Illinois Av		2145	somerville	MA	US
1936	16778705	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol38	12/1/76	2/24/14		14 illinois ave		2145	somerville	MA	US
1937	16778745	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol39	12/1/76	2/24/14		14 illinois ave		2145	somerville	MA	US
1938	16779235	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	36mayasol36		2/24/14		14 illinois ave		2145	somerville	MA	US
1939	16780741	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	38mayasol38		2/24/14		14 illinois ave		2145	somerville	MA	US
1940	16780927	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol40	12/1/76	2/24/14		14 illinois ave		2145	somerville	MA	US
1941	16781021	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol41	12/1/76	2/24/14		14 illinois ave		2145	somerville	MA	US
1942	16781125	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol42	12/1/76	2/24/14		14 illinois ave		2145	somerville	MA	US
1943	16781175	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol43	12/1/76	2/24/14		14 illinois ave		2145	somerville	MA	US
1944	16781641	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol3901		2/24/14		14 illinois ave		2145	somerville	MA	US
1945	16783829	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	40mayasol40		2/24/14		14 Illinois ave	1	2145	Somerville	MA	US
1946	16783945	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol44	12/1/76	2/24/14		14 illinois ave		2145	somerville	MA	US
1947	16784011	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	41mayasol41		2/24/14		14 Illinois ave	1	2145	Somerville	MA	US
1948	16784177	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol45	12/1/76	2/24/14		14 illinois ave		2145	somerville	MA	US
1949	16784347	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol46	12/1/76	2/24/14		14 illinois ave		2145	somerville	MA	US
1950	16784505	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	42mayasol42		2/24/14		14 Illinois ave	1	2145	Somerville	MA	US
1951	16784851	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	43mayasol43		2/24/14		14 Illinois ave	1	2145	Somerville	MA	US
1952	16784927	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol47	12/1/76	2/24/14		14 illinois AVE		2145	somerville	MA	US
1953	16785051	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol48	12/1/76	2/24/14		14 illinois AVE		2145	somerville	MA	US
1954	16785213	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol49	12/1/76	2/24/14		14 illinois AVE		2145	somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_nu_mero	rep_cep	city	state_code	country_code
1955	16785309	Benjamin Argueta	2522900	2522900	\$ 11,400.00	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol50	12/1/76	2/24/14		14 illinois AVE		2145	somerville	MA	US
1956	16785339	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol51	12/1/76	2/24/14		14 illinois AVE		2145	somerville	MA	US
1957	16791867	Benjamin Argueta	2522900	13643317	\$ (99.80)	\$ (249.50)	\$ 4,012,998.90	telexall@gmail.com	8572592342	8572592342	37mayasol37		2/24/14		14 Illinois Ave	14	2145	Somerville	MA	US
1958	16804695	Benjamin Argueta	2522900	2522900	\$ (1,325.20)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	tribuben1	12/1/76	2/25/14		14 illinois ave	.	2145	somerville	MA	US
1959	16804933	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	tribuben2	12/1/76	2/25/14		14 illinois ave	.	2145	somerville	MA	US
1960	16804963	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	tribuben3	12/1/76	2/25/14		14 illinois ave	.	2145	somerville	MA	US
1961	16804983	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1tribuben1		2/25/14		14 Illinois ave	1	2145	Somerville	MA	US
1962	16805351	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	tribuben4	12/1/76	2/25/14		14 illinois ave	.	2145	somerville	MA	US
1963	16805373	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	tribuben5	12/1/76	2/25/14		14 illinois ave	.	2145	somerville	MA	US
1964	16805647	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	2tribuben2		2/25/14		14 Illinois ave	1	2145	somerville	MA	US
1965	16805797	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	4tribuben4		2/25/14		14 Illinois ave	1	2145	somerville	MA	US
1966	16805831	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	tribuben6	12/1/76	2/25/14		14 illinois ave	.	2145	somerville	MA	US
1967	16805865	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	5tribuben5		2/25/14		14 Illinois ave	1	2145	somerville	MA	US
1968	16805937	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	tribuben7	12/1/76	2/25/14		.	.	2145	somerville	MA	US
1969	16805967	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	tribuben8	12/1/76	2/25/14		.	.	2145	somerville	MA	US
1970	16806197	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	tribuben9	12/1/76	2/25/14		14 illinois ave	.	2145	somerville	MA	US
1971	16806201	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	6tribuben6		2/25/14		14 Illinois ave	1	2145	somerville	MA	US
1972	16806219	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	tribuben10	12/1/76	2/25/14		14 illinois ave	.	2145	somerville	MA	US
1973	16806233	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	7tribuben7		2/25/14		14 Illinois ave	1	2145	somerville	MA	US
1974	16806253	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	8tribuben8		2/25/14		14 Illinois ave	1	2145	somerville	MA	US



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
1975	16806283	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	tribuben11	12/1/76	2/25/14		14 illinois ave	.	2145	somerville	MA	US
1976	16806305	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	tribuben12	12/1/76	2/25/14		14 illinois ave	.	2145	somerville	MA	US
1977	16806363	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	tribuben13	12/1/76	2/25/14		14 illinois ave	.	2145	somerville	MA	US
1978	16806383	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	tribuben14	12/1/76	2/25/14		14 illinois ave	.	2145	somerville	MA	US
1979	16958337	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1jaimitog1		2/26/14		14 Illinois Av		2145	Somerville	MA	US
1980	16959117	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy94	12/1/76	2/26/14		14 Illinois Av		2145	Somerville	MA	US
1981	16959195	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy95	12/1/76	2/26/14		14 Illinois Av		2145	Somerville	MA	US
1982	16959575	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy96	12/1/76	2/26/14		14 Illinois Av		2145	Somerville	MA	US
1983	16959657	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy97	12/1/76	2/26/14		14 Illinois Av		2145	Somerville	MA	US
1984	16959965	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy98	12/1/76	2/26/14		14 Illinois Av		2145	Somerville	MA	US
1985	16960027	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy99	12/1/76	2/26/14		14 Illinois Av		2145	Somerville	MA	US
1986	16960261	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy100	12/1/76	2/26/14		14 Illinois Av		2145	Somerville	MA	US
1987	16960349	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy101	12/1/76	2/26/14		14 Illinois Av		2145	Somerville	MA	US
1988	16960593	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy102	12/1/76	2/26/14		14 Illinois Av		2145	Somerville	MA	US
1989	16960679	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy103	12/1/76	2/26/14		14 Illinois Av		2145	Somerville	MA	US
1990	16960883	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy104	12/1/76	2/26/14		14 Illinois Av		2145	Somerville	MA	US
1991	16960977	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy105	12/1/76	2/26/14		14 Illinois Av		2145	Somerville	MA	US
1992	16961265	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy106	12/1/76	2/26/14		14 Illinois Av		2145	Somerville	MA	US
1993	16961339	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy107	12/1/76	2/26/14		14 Illinois Av		2145	Somerville	MA	US
1994	16962371	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy108	12/1/76	2/26/14		14 Illinois Av		2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
1995	16962439	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy109	12/1/76	2/26/14		14 Illinois Av		2145	Somerville	MA	US
1996	16962495	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	44mayasol		2/26/14		14 illinois av		2145	somerville	MA	US
1997	16962645	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy110	12/1/76	2/26/14		14 Illinois Av		2145	Somerville	MA	US
1998	16962691	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	45mayasol		2/26/14		14 illinois av		2145	somerville	MA	US
1999	16962733	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy111	12/1/76	2/26/14		14 Illinois Av		2145	Somerville	MA	US
2000	16962827	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	46mayasol		2/26/14		14 illinois av		2145	somerville	MA	US
2001	16963117	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	47mayasol		2/26/14		14 illinois av		2145	somerville	MA	US
2002	16963279	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	48mayasol		2/26/14		14 illinois av		2145	somerville	MA	US
2003	16963377	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy112	12/1/76	2/26/14		14 Illinois Av		2145	Somerville	MA	US
2004	16963413	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	49mayasol		2/26/14		14 illinois av		2145	somerville	MA	US
2005	16963449	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy113	12/1/76	2/26/14		14 Illinois Av		2145	Somerville	MA	US
2006	16963563	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	50mayasol		2/26/14		14 illinois av		2145	somerville	MA	US
2007	16963669	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy114	12/1/76	2/26/14		14 Illinois Av		2145	Somerville	MA	US
2008	16963707	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	51mayasol		2/26/14		14 illinois av		2145	somerville	MA	US
2009	16963747	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy115	12/1/76	2/26/14		14 Illinois Av		2145	Somerville	MA	US
2010	16964027	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy116	12/1/76	2/26/14		14 Illinois Av		2145	Somerville	MA	US
2011	16964093	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy117	12/1/76	2/26/14		14 Illinois Av		2145	Somerville	MA	US
2012	16964425	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572498240	8572598240	mayasol52	12/1/76	2/26/14		14 Illinois ave		2145	Somerville	MA	US
2013	16964513	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy118	12/1/76	2/26/14		14 Illinois Av		2145	Somerville	MA	US
2014	16964619	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572498240	8572598240	mayasol53	12/1/76	2/26/14		14 Illinois ave		2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_nu_mero	rep_cep	city	state_code	country_code
2015	16964639	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy119	12/1/76	2/26/14		14 Illinois Av		2145	Somerville	MA	US
2016	16964729	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572498240	8572598240	mayasol54	12/1/76	2/26/14		14 Illinois ave		2145	Somerville	MA	US
2017	16964781	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572498240	8572598240	mayasol55	12/1/76	2/26/14		14 Illinois ave		2145	Somerville	MA	US
2018	16964861	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy120	12/1/76	2/26/14		14 Illinois Av		2145	Somerville	MA	US
2019	16964929	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy121	12/1/76	2/26/14		14 Illinois Av		2145	Somerville	MA	US
2020	16964965	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572498240	8572598240	mayasol56	12/1/76	2/26/14		14 Illinois ave		2145	Somerville	MA	US
2021	16965045	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572498240	8572598240	mayasol57	12/1/76	2/26/14		14 Illinois ave		2145	Somerville	MA	US
2022	16965073	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy122	12/1/76	2/26/14		14 Illinois Av		2145	Somerville	MA	US
2023	16965247	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy123	12/1/76	2/26/14		14 Illinois Av		2145	Somerville	MA	US
2024	16965355	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572498240	8572598240	mayasol58	12/1/76	2/26/14		14 Illinois ave		2145	Somerville	MA	US
2025	16965427	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572498240	8572598240	mayasol59	12/1/76	2/26/14		14 Illinois ave		2145	Somerville	MA	US
2026	16965505	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy124	12/1/76	2/26/14		14 Illinois Av		2145	Somerville	MA	US
2027	16965515	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572498240	8572598240	mayasol60	12/1/76	2/26/14		14 Illinois ave		2145	Somerville	MA	US
2028	16965567	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy125	12/1/76	2/26/14		14 Illinois Av		2145	Somerville	MA	US
2029	16965633	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572498240	8572598240	mayasol61	12/1/76	2/26/14		14 Illinois ave		2145	Somerville	MA	US
2030	16965725	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy126	12/1/76	2/26/14		14 Illinois Av		2145	Somerville	MA	US
2031	16965765	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572498240	8572598240	mayasol62	12/1/76	2/26/14		14 Illinois ave		2145	Somerville	MA	US
2032	16965787	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy127	12/1/76	2/26/14		14 Illinois Av		2145	Somerville	MA	US
2033	16965855	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572498240	8572598240	mayasol63	12/1/76	2/26/14		14 Illinois ave		2145	Somerville	MA	US
2034	16965999	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572498240	8572598240	mayasol64	12/1/76	2/26/14		14 Illinois ave		2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
2035	16966117	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572498240	8572598240	mayasol65	12/1/76	2/26/14		14 Illinois ave		2145	Somerville	MA	US
2036	16966423	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572498240	8572598240	mayasol66	12/1/76	2/26/14		14 Illinois ave		2145	Somerville	MA	US
2037	16966759	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572498240	8572598240	mayasol67	12/1/76	2/26/14		14 Illinois ave		2145	Somerville	MA	US
2038	16967149	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572498240	8572598240	mayasol68	12/1/76	2/26/14		14 Illinois ave		2145	Somerville	MA	US
2039	16967205	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572498240	8572598240	mayasol69	12/1/76	2/26/14		14 Illinois ave		2145	Somerville	MA	US
2040	16967319	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy128	12/1/76	2/26/14		14 Illinois Av		2145	Somerville	MA	US
2041	16967399	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy129	12/1/76	2/26/14		14 Illinois Av		2145	Somerville	MA	US
2042	16967449	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572498240	8572598240	mayasol70	12/1/76	2/26/14		14 Illinois ave		2145	Somerville	MA	US
2043	16967551	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy130	12/1/76	2/26/14		14 Illinois Av		2145	Somerville	MA	US
2044	16967595	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572498240	8572598240	mayasol71	12/1/76	2/26/14		14 Illinois ave		2145	Somerville	MA	US
2045	16967615	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy131	12/1/76	2/26/14		14 Illinois Av		2145	Somerville	MA	US
2046	16967637	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	65mayasol65		2/26/14		14 illinois AVE		2145	somerville	MA	US
2047	16967715	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572498240	8572598240	mayasol72	12/1/76	2/26/14		14 Illinois ave		2145	Somerville	MA	US
2048	16967721	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy132	12/1/76	2/26/14		14 Illinois Av		2145	Somerville	MA	US
2049	16967731	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	64mayasol64		2/26/14		14 illinois AVE		2145	somerville	MA	US
2050	16967769	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572498240	8572598240	mayasol73	12/1/76	2/26/14		14 Illinois ave		2145	Somerville	MA	US
2051	16967811	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy133	12/1/76	2/26/14		14 Illinois Av		2145	Somerville	MA	US
2052	16967819	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	63mayasol63		2/26/14		14 illinois AVE		2145	somerville	MA	US
2053	16967901	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	62mayasol62		2/26/14		14 illinois AVE		2145	somerville	MA	US
2054	16967923	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572498240	8572598240	mayasol74	12/1/76	2/26/14		14 Illinois ave		2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
2055	16967991	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	61mayasol61		2/26/14		14 illinois AVE		2145	somerville	MA	US
2056	16968015	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572498240	8572598240	mayasol75	12/1/76	2/26/14		14 Illinois ave		2145	Somerville	MA	US
2057	16968045	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	60mayasol60		2/26/14		14 illinois AVE		2145	somerville	MA	US
2058	16968139	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	59mayasol59		2/26/14		14 illinois AVE		2145	somerville	MA	US
2059	16968205	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	58mayasol58		2/26/14		14 illinois AVE		2145	somerville	MA	US
2060	16968271	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	57mayasol57		2/26/14		14 illinois AVE		2145	somerville	MA	US
2061	16968345	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	56mayasol56		2/26/14		14 illinois AVE		2145	somerville	MA	US
2062	16968349	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572498240	8572598240	mayasol76	12/1/76	2/26/14		14 Illinois ave		2145	Somerville	MA	US
2063	16968419	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	55mayasol55		2/26/14		14 illinois AVE		2145	somerville	MA	US
2064	16968469	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572498240	8572598240	mayasol77	12/1/76	2/26/14		14 Illinois ave		2145	Somerville	MA	US
2065	16968501	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	54mayasol54		2/26/14		14 illinois AVE		2145	somerville	MA	US
2066	16968555	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	53mayasol53		2/26/14		14 illinois AVE		2145	somerville	MA	US
2067	16968613	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572498240	8572598240	mayasol78	12/1/76	2/26/14		14 Illinois ave		2145	Somerville	MA	US
2068	16968635	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	52mayasol52		2/26/14		14 illinois AVE		2145	somerville	MA	US
2069	16968673	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572498240	8572598240	mayasol79	12/1/76	2/26/14		14 Illinois ave		2145	Somerville	MA	US
2070	16968785	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572498240	8572598240	mayasol80	12/1/76	2/26/14		14 Illinois ave		2145	Somerville	MA	US
2071	16968835	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572498240	8572598240	mayasol81	12/1/76	2/26/14		14 Illinois ave		2145	Somerville	MA	US
2072	16968971	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572498240	8572598240	mayasol82	12/1/76	2/26/14		14 Illinois ave		2145	Somerville	MA	US
2073	16969043	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572498240	8572598240	mayasol83	12/1/76	2/26/14		14 Illinois ave		2145	Somerville	MA	US
2074	16969173	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572498240	8572598240	mayasol84	12/1/76	2/26/14		14 Illinois ave		2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_nu_mero	rep_cep	city	state_code	country_code
2075	16969273	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572498240	8572598240	mayasol85	12/1/76	2/26/14		14 Illinois ave		2145	Somerville	MA	US
2076	16969601	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572498240	8572598240	mayasol86	12/1/76	2/26/14		14 Illinois ave		2145	Somerville	MA	US
2077	16969795	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572498240	8572598240	mayasol87	12/1/76	2/26/14		14 Illinois ave		2145	Somerville	MA	US
2078	16971819	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572498240	8572598240	mayasol88	12/1/76	2/26/14		14 Illinois ave		2145	Somerville	MA	US
2079	16971903	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572498240	8572598240	mayasol89	12/1/76	2/26/14		14 Illinois ave		2145	Somerville	MA	US
2080	16972453	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572498240	8572598240	mayasol90	12/1/76	2/26/14		14 Illinois ave		2145	Somerville	MA	US
2081	16972579	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572498240	8572598240	mayasol91	12/1/76	2/26/14		14 Illinois ave		2145	Somerville	MA	US
2082	16972707	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572498240	8572598240	mayasol92	12/1/76	2/26/14		14 Illinois ave		2145	Somerville	MA	US
2083	16972749	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572498240	8572598240	mayasol93	12/1/76	2/26/14		14 Illinois ave		2145	Somerville	MA	US
2084	16974949	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol94	12/1/76	2/26/14		14 Illinois ave		2145	Somerville	MA	US
2085	16975011	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol95	12/1/76	2/26/14		14 Illinois ave		2145	Somerville	MA	US
2086	16975225	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol96	12/1/76	2/26/14		14 Illinois ave		2145	Somerville	MA	US
2087	16975289	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	78mayasol78		2/26/14		14 Illinois Ave		2145	Somerville	MA	US
2088	16975315	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol97	12/1/76	2/26/14		14 Illinois ave		2145	Somerville	MA	US
2089	16975509	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol98	12/1/76	2/26/14		14 Illinois ave		2145	Somerville	MA	US
2090	16975563	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol99	12/1/76	2/26/14		14 Illinois ave		2145	Somerville	MA	US
2091	16975743	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol100	12/1/76	2/26/14		14 Illinois ave		2145	Somerville	MA	US
2092	16975909	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	79mayasol79		2/26/14		14 Illinois Ave		2145	Somerville	MA	US
2093	16976335	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	80mayasol80		2/26/14		14 Illinois Ave		2145	Somerville	MA	US
2094	16976651	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	81mayasol81		2/26/14		14 Illinois Ave		2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
2095	16978621	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	88conchy88		2/26/14		14 Illinois Av		2145	Somerville	MA	US
2096	16978695	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	89conchy89		2/26/14		14 Illinois Av		2145	Somerville	MA	US
2097	16978803	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	90conchy90		2/26/14		14 Illinois Av		2145	Somerville	MA	US
2098	16978963	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	91conchy91		2/26/14		14 Illinois Av		2145	Somerville	MA	US
2099	16979053	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	92conchy92		2/26/14		14 Illinois Av		2145	Somerville	MA	US
2100	16979121	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	93conchy93		2/26/14		14 Illinois Av		2145	Somerville	MA	US
2101	16979225	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	94conchy94		2/26/14		14 Illinois Av		2145	Somerville	MA	US
2102	16979283	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	95conchy95		2/26/14		14 Illinois Av		2145	Somerville	MA	US
2103	16979847	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	80conchy80		2/27/14		14 Illinois Av		2145	Somerville	MA	US
2104	16979975	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	81conchy81		2/27/14		14 Illinois Av		2145	Somerville	MA	US
2105	16980007	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	82conchy82		2/27/14		14 Illinois Av		2145	Somerville	MA	US
2106	16980051	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	08paulette08		2/27/14		14 Illinois Av		2145	Somerville	MA	US
2107	16980105	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	84conchy84		2/27/14		14 Illinois Av		2145	Somerville	MA	US
2108	16980151	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	85conchy85		2/27/14		14 Illinois Av		2145	Somerville	MA	US
2109	16980197	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	86conchy86		2/27/14		14 Illinois Av		2145	Somerville	MA	US
2110	16980247	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	87conchy87		2/27/14		14 Illinois Av		2145	Somerville	MA	US
2111	16980297	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	112conchy112		2/27/14		14 Illinois Av		2145	Somerville	MA	US
2112	16980349	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	113conchy113		2/27/14		14 Illinois Av		2145	Somerville	MA	US
2113	16980381	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	114conchy114		2/27/14		14 Illinois Av		2145	Somerville	MA	US
2114	17125743	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	83conchy83		2/28/14		14 Illinois Av		2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_nu_mero	rep_cep	city	state_code	country_code
2115	17126767	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	134conchy134	12/1/76	2/28/14		14 Illinois Av		2145	Somerville	MA	US
2116	17273969	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1chelino22		3/2/14		14 Illinois ave	1	2145	Somerville	MA	US
2117	17274167	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benigna23	12/1/76	3/2/14		14 Illinois ave	1	2145	Somerville	MA	US
2118	17274227	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benigna24	12/1/76	3/2/14		14 Illinois ave	1	2145	Somerville	MA	US
2119	17275419	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benigna25	12/1/76	3/2/14		14 Illinois ave	1	2145	Somerville	MA	US
2120	17275491	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benigna26	12/1/76	3/2/14		14 Illinois ave	1	2145	Somerville	MA	US
2121	17276081	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1benigna23		3/2/14		14 Illinois ave		2145	somerville	MA	US
2122	17276827	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benigna27	12/1/76	3/2/14		14 Illinois ave	1	2145	Somerville	MA	US
2123	17276927	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benigna28	12/1/76	3/2/14		14 Illinois ave	1	2145	Somerville	MA	US
2124	17278043	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benigna29	12/1/76	3/2/14		14 Illinois ave	1	2145	Somerville	MA	US
2125	17278093	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benigna30	12/1/76	3/2/14		14 Illinois ave	1	2145	Somerville	MA	US
2126	17278171	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1chelino26		3/2/14		14 Illinois ave	1	2145	Somerville	MA	US
2127	17304089	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1benigna29		3/2/14		14 Illinois ave	1	2145	Somerville	MA	US
2128	17304149	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1benigna30		3/2/14		14 Illinois ave	1	2145	Somerville	MA	US
2129	17304325	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	11benigna28		3/2/14		14 Illinois ave	1	2145	Somerville	MA	US
2130	17304377	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1benigna27		3/2/14		14 Illinois ave	1	2145	Somerville	MA	US
2131	17304515	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benigna31	12/1/76	3/2/14		14 Illinois ave	1	2145	Somerville	MA	US
2132	17304563	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benigna32	12/1/76	3/2/14		14 Illinois ave	1	2145	Somerville	MA	US
2133	17304621	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benigna33	12/1/76	3/2/14		14 Illinois ave	1	2145	Somerville	MA	US
2134	17304675	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benigna34	12/1/76	3/2/14		14 Illinois ave	1	2145	Somerville	MA	US



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
2135	17304783	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benigna35	12/1/76	3/2/14		14 Illinois ave	1	2145	Somerville	MA	US
2136	17304893	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benigna36	12/1/76	3/2/14		14 Illinois ave	1	2145	Somerville	MA	US
2137	17304961	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benigna37	12/1/76	3/2/14		14 Illinois ave	1	2145	Somerville	MA	US
2138	17305023	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	benigna38	12/1/76	3/2/14		14 Illinois ave	1	2145	Somerville	MA	US
2139	17357947	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	42conchy42		3/3/14		14 Illinois Av		2145	Somerville	MA	US
2140	17360473	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	15tribuben15		3/3/14		14 illinois AVE	1	2145	somerville	MA	US
2141	17625309	Benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelino21s		3/5/14		14 Illinois ave	1	2145	Somerville	MA	US
2142	17699461	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	134conchy1		3/6/14		14 Illinois Av		2145	Somerville	MA	US
2143	17700509	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	metapaneco3	12/1/76	3/6/14		14 Illinois Av		2145	Somerville	MA	US
2144	17700695	Benjamin Argueta	2522900	2522900	\$ (1,085.40)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	conchy134	12/1/76	3/6/14		14 Illinois Av		2145	Somerville	MA	US
2145	17716389	Berta Dina Morataya Portillo	13353087	13353087	\$ (1,425.00)	\$ (17,636.80)	\$ (17,636.80)	telexfreeben@gmail.com	50379234039	50379234039	danim15	8/22/67	3/6/14		Poligono D Senda5		0	Santa Ana	SA	SV
2146	17720573	Berta Dina Morataya Portillo	13353087	13353087	\$ (49.90)	\$ (17,636.80)	\$ (17,636.80)	telexfreeben@gmail.com	50379234039	50379234039	15danim15		3/6/14		Poligono D Senda5		0	Santa Ana	SA	SV
2147	17721257	Berta Dina Morataya Portillo	13353087	13353087	\$ (1,425.00)	\$ (17,636.80)	\$ (17,636.80)	telexfreeben@gmail.com	50379234039	50379234039	danim16	8/22/67	3/6/14		Poligono D Senda5		0	Santa Ana	SA	SV
2148	17721537	Berta Dina Morataya Portillo	13353087	13353087	\$ (1,425.00)	\$ (17,636.80)	\$ (17,636.80)	telexfreeben@gmail.com	50379234039	50379234039	danim17	8/22/67	3/6/14		Poligono D Senda5		0	Santa Ana	SA	SV
2149	17741917	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	4chelinito4		3/6/14		14 Illinois Av		2145	Somerville	MA	US
2150	17742097	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	5chelinito5		3/6/14		14 Illinois Av		2145	Somerville	MA	US
2151	17742237	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	6chelinito6		3/6/14		14 Illinois Av		2145	Somerville	MA	US
2152	17742441	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	7chelinito7		3/6/14		14 Illinois Av		2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
2153	17742577	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	10chelinito10		3/6/14		14 Illinois Av		2145	Somerville	MA	US
2154	17747339	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelinito11	12/1/76	3/6/14		14 Illinois Av		2145	Somerville	MA	US
2155	17747451	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelinito12	12/1/76	3/6/14		14 Illinois Av		2145	Somerville	MA	US
2156	17747925	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelinito13	12/1/76	3/6/14		14 Illinois Av		2145	Somerville	MA	US
2157	17748077	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelinito14	12/1/76	3/6/14		14 Illinois Av		2145	Somerville	MA	US
2158	17748503	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelinito15	12/1/76	3/6/14		14 Illinois Av		2145	Somerville	MA	US
2159	17748723	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelinito16	12/1/76	3/6/14		14 Illinois Av		2145	Somerville	MA	US
2160	17748865	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelinito17	12/1/76	3/6/14		14 Illinois Av		2145	Somerville	MA	US
2161	17750797	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	11chelinito11		3/6/14		14 Illinois Av		2145	Somerville	MA	US
2162	17750993	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	12chelinito12		3/6/14		14 Illinois Av		2145	Somerville	MA	US
2163	17751119	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	13chelinito13		3/6/14		14 Illinois Av		2145	Somerville	MA	US
2164	17751323	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	14chelinito14		3/6/14		14 Illinois Av		2145	Somerville	MA	US
2165	17751433	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	15chelinito15		3/6/14		14 Illinois Av		2145	Somerville	MA	US
2166	17751541	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	16chelinito16		3/6/14		14 Illinois Av		2145	Somerville	MA	US
2167	17751671	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	17chelinito17		3/6/14		14 Illinois Av		2145	Somerville	MA	US
2168	17753617	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelinito18	12/1/76	3/6/14		14 Illinois Av		2145	Somerville	MA	US
2169	17754017	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelinito19	12/1/76	3/6/14		14 Illinois Av		2145	Somerville	MA	US
2170	17754261	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelinito20	12/1/76	3/6/14		14 Illinois Av		2145	Somerville	MA	US
2171	17754637	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelinito21	12/1/76	3/6/14		14 Illinois Av		2145	Somerville	MA	US
2172	17754779	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelinito22	12/1/76	3/6/14		14 Illinois Av		2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_nu_mero	rep_cep	city	state_code	country_code
2173	17754889	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelinito23	12/1/76	3/6/14		14 Illinois Av		2145	Somerville	MA	US
2174	17755065	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelinito24	12/1/76	3/6/14		14 Illinois Av		2145	Somerville	MA	US
2175	17755269	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelinito25	12/1/76	3/6/14		14 Illinois Av		2145	Somerville	MA	US
2176	17755549	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelinito26	12/1/76	3/6/14		14 Illinois Av		2145	Somerville	MA	US
2177	17755651	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelinito27	12/1/76	3/6/14		14 Illinois Av		2145	Somerville	MA	US
2178	17755967	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelinito28	12/1/76	3/6/14		14 Illinois Av		2145	Somerville	MA	US
2179	17756193	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelinito29	12/1/76	3/6/14		14 Illinois Av		2145	Somerville	MA	US
2180	17756459	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelinito30	12/1/76	3/6/14		14 Illinois Av		2145	Somerville	MA	US
2181	17756625	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelinito31	12/1/76	3/6/14		14 Illinois Av		2145	Somerville	MA	US
2182	17756789	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelinito32	12/1/76	3/6/14		14 Illinois Av		2145	Somerville	MA	US
2183	17756901	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelinito33	12/1/76	3/6/14		14 Illinois Av		2145	Somerville	MA	US
2184	17764525	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelinito34	12/1/76	3/6/14		14 Illinois Av		2145	Somerville	MA	US
2185	17765011	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelinito35	12/1/76	3/6/14		14 Illinois Av		2145	Somerville	MA	US
2186	17768693	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	35chelinito35		3/6/14		14 Illinois Av		2145	Somerville	MA	US
2187	17769551	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelinito36	12/1/76	3/6/14		14 Illinois Av		2145	Somerville	MN	US
2188	17769679	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	chelinito37	12/1/76	3/6/14		14 Illinois Av		2145	Somerville	MN	US
2189	17771881	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	36chelinito36		3/6/14		14 Illinois Av		2145	Somerville	MA	US
2190	17772007	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	37chelinito37		3/6/14		14 Illinois Av		2145	Somerville	MA	US
2191	17773845	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	erikaa1	12/1/76	3/6/14		14 Illinois Av		2145	Somerville	MA	US
2192	17773973	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	erikaa2	12/1/76	3/6/14		14 Illinois Av		2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
2193	17774141	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	erikaa3	12/1/76	3/6/14		14 Illinois Av		2145	Somerville	MA	US
2194	17774275	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	erikaa4	12/1/76	3/6/14		14 Illinois Av		2145	Somerville	MA	US
2195	17979571	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	6172598240	6172598240	19chelino19		3/8/14		14 Illinois ave	1	2145	Somerville	MA	US
2196	17979705	Benjamin Argueta	2522900	2522900	\$ (1,425.00)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	6172598240	6172598240	chelinito38	12/1/76	3/8/14		14 Illinois ave		2145	somerville	MA	US
2197	18727027	Benjamin Argueta	2522900	2522900	\$ 1,338.50	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	tribeusa1	12/1/76	3/13/14		14 Illinois Ave	1	2145	Somerville	MA	US
2198	18729921	benjamin argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572588240	8572598240	tribe1		3/13/14		14 illinois ave	1	2145	somerville	MA	US
2199	18730085	benjamin argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572588240	8572598240	tribe2		3/13/14		14 illinois ave	1	2145	somerville	MA	US
2200	18730173	benjamin argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572588240	8572598240	tribe3		3/13/14		14 illinois ave	1	2145	somerville	MA	US
2201	18730273	benjamin argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572588240	8572598240	tribe4		3/13/14		14 illinois ave	1	2145	somerville	MA	US
2202	18730433	benjamin argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572588240	8572598240	tribe5		3/13/14		14 illinois ave	1	2145	somerville	MA	US
2203	18730549	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572588240	8572598240	tribe6		3/13/14		14 illinois ave	1	2145	somerville	MA	US
2204	18730905	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572588240	8572598240	tribe7		3/13/14		14 illinois ave	1	2145	somerville	MA	US
2205	18731863	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	tribe8		3/13/14		14 illinois ave	1	2145	somerville	MA	US
2206	18732033	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	tribe9		3/13/14		14 illinois ave	1	2145	somerville	MA	US
2207	18732387	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	tribe10		3/13/14		14 illinois ave	1	2145	somerville	MA	US
2208	18736871	Benjamin Argueta	2522900	2522900	\$ (359.50)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	tribeusa2	12/1/76	3/13/14		14 illinois ave	1	2145	somerville	MA	US
2209	18742103	Benjamin Argueta	2522900	2522900	\$ (359.50)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	tribeusa3	12/1/76	3/13/14		14 illinois ave	1	2145	Somerville	MA	US
2210	18744899	benjamin argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	2tribe1		3/13/14		14 illinois ave	1	2145	somerville	MA	US
2211	18745029	benjamin argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	2tribe2		3/13/14		14 illinois ave	1	2145	somerville	MA	US
2212	18745167	benjamin argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	2tribe3		3/13/14		14 illinois ave	1	2145	somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_nu_mero	rep_cep	city	state_code	country_code
2213	18745763	benjamin argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	2tribe4		3/13/14		14 illinois ave	1	2145	somerville	MA	US
2214	18745853	benjamin argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	2tribe5		3/13/14		14 illinois ave	1	2145	somerville	MA	US
2215	18746011	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	2tribe6		3/13/14		14 illinois ave	1	2145	somerville	MA	US
2216	18746563	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	2tribe7		3/13/14		14 illinois ave	1	2145	somerville	MA	US
2217	18746665	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	2tribe8		3/13/14		14 illinois ave	1	2145	somerville	MA	US
2218	18746767	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	2tribe9		3/13/14		14 illinois ave	1	2145	somerville	MA	US
2219	18746945	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	2tribe10		3/13/14		14 illinois ave	1	2145	somerville	MA	US
2220	18752713	benjamin argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	3tribe1		3/13/14		14 illinois ave	1	2145	somerville	MA	US
2221	18752857	benjamin argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	3tribe2		3/13/14		14 illinois ave	1	2145	somerville	MA	US
2222	18752957	benjamin argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	3tribe3		3/13/14		14 illinois ave	1	2145	somerville	MA	US
2223	18753621	benjamin argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	3tribe4		3/13/14		14 illinois ave	1	2145	somerville	MA	US
2224	18753879	benjamin argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	3tribe5		3/13/14		14 illinois ave	1	2145	somerville	MA	US
2225	18754105	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	3tribe6		3/13/14		14 illinois ave	1	2145	somerville	MA	US
2226	18755713	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	3tribe7		3/13/14		14 illinois ave	1	2145	somerville	MA	US
2227	18755979	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	3tribe8		3/13/14		14 illinois ave	1	2145	somerville	MA	US
2228	18756511	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	3tribe9		3/13/14		14 illinois ave	1	2145	somerville	MA	US
2229	18756711	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	3tribe10		3/13/14		14 illinois ave	1	2145	somerville	MA	US
2230	18757075	telexservicesllc	18757075	18757075	\$ (359.50)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	telexs1	2/6/14	3/13/14		104 Broadway		2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
2231	18761899	telexservicesllc	18757075	18757075	\$ (99.80)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	1telexs1		3/13/14		104 Broadway		2145	somerville	MA	US
2232	18763905	telexservicesllc	18757075	18757075	\$ 4,730.30	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	telexs02	2/6/14	3/14/14		104 Broadway		2145	Somerville	MA	US
2233	18764841	telexservicesllc	18757075	18757075	\$ (99.80)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	2telexs1		3/14/14		104 Broadway		2145	Somerville	MA	US
2234	18765423	telexservicesllc	18757075	18757075	\$ (99.80)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	3telexs1		3/14/14		104 Broadway		2145	Somerville	MA	US
2235	18766169	telexservicesllc	18757075	18757075	\$ (99.80)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	4telexs1		3/14/14		104 Broadway		2145	Somerville	MA	US
2236	18766413	telexservicesllc	18757075	18757075	\$ (99.80)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	5telexs1		3/14/14		104 Broadway		2145	Somerville	MA	US
2237	18766521	telexservicesllc	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	6telexs1		3/14/14		104 Broadway		2145	Somerville	MA	US
2238	18766673	telexservicesllc	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	7telexs1		3/14/14		104 Broadway		2145	Somerville	MA	US
2239	18766739	telexservicesllc	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	8telexs1		3/14/14		104 Broadway		2145	Somerville	MA	US
2240	18766813	telexservicesllc	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	9telexs1		3/14/14		104 Broadway		2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
2241	18767069	telexservicesllc	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	10telexs1		3/14/14		104 Broadway		2145	Somerville	MA	US
2242	18768515	telexservicesllc	18757075	18757075	\$ (99.80)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	1telexs02		3/14/14		104 Broadway		2145	Somerville	MA	US
2243	18768623	telexservicesllc	18757075	18757075	\$ (99.80)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	2telexs02		3/14/14		104 Broadway		2145	Somerville	MA	US
2244	18768789	telexservicesllc	18757075	18757075	\$ (99.80)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	3telexs02		3/14/14		104 Broadway		2145	Somerville	MA	US
2245	18768921	telexservicesllc	18757075	18757075	\$ (99.80)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	4telexs02		3/14/14		104 Broadway		2145	Somerville	MA	US
2246	18769669	telexservicesllc	18757075	18757075	\$ (99.80)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	5telexs02		3/14/14		104 Broadway		2145	somerville	MA	US
2247	18769723	telexservicesllc	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	6telexs02		3/14/14		104 Broadway		2145	somerville	MA	US
2248	18769809	telexservicesllc	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	7telexs02		3/14/14		104 Broadway		2145	somerville	MA	US
2249	18769925	telexservicesllc	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	8telexs02		3/14/14		104 Broadway		2145	somerville	MA	US
2250	18770075	telexservicesllc	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	9telexs02		3/14/14		104 Broadway		2145	somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_nu_mero	rep_cep	city	state_code	country_code
2251	18770271	telexservicesllc	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	10telexs02		3/14/14		104 Broadway		2145	somerville	MA	US
2252	18772623	telexservicesllc	18757075	18757075	\$ (359.50)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	telexs03	2/6/14	3/14/14		104 Broadway		2145	Somerville	MA	US
2253	18774061	telexservicesllc	18757075	18757075	\$ (99.80)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	1telexs03		3/14/14		104 Broadway		2145	Somerville	MA	US
2254	18774157	telexservicesllc	18757075	18757075	\$ (99.80)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	2telexs03		3/14/14		104 Broadway		2145	Somerville	MA	US
2255	18774281	telexservicesllc	18757075	18757075	\$ (99.80)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	3telexs03		3/14/14		104 Broadway		2145	Somerville	MA	US
2256	18774375	telexservicesllc	18757075	18757075	\$ 1,586.60	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	telexs04	2/6/14	3/14/14		104 Broadway		2145	Somerville	MA	US
2257	18774409	telexservicesllc	18757075	18757075	\$ (99.80)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	4telexs03		3/14/14		104 Broadway		2145	Somerville	MA	US
2258	18774573	telexservicesllc	18757075	18757075	\$ (99.80)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	5telexs03		3/14/14		104 Broadway		2145	Somerville	MA	US
2259	18774781	telexservicesllc	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	6telexs03		3/14/14		104 Broadway		2145	Somerville	MA	US
2260	18774977	telexservicesllc	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	7telexs03		3/14/14		104 Broadway		2145	Somerville	MA	US



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_nu_mero	rep_cep	city	state_code	country_code
2261	18775423	telexservicesllc telexservicesllc	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.co m	6173086292	6173086292	8telexs03		3/14/14		104 broadway		2145	somerville	MA	US
2262	18775955	telexservicesllc telexservicesllc	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.co m	6173086292	6173086292	9telexs03		3/14/14		104 Broadway		2145	somerville	MA	US
2263	18776035	telexservicesllc telexservicesllc	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.co m	6173086292	6173086292	10telexs03		3/14/14		104 Broadway		2145	somerville	MA	US
2264	18778191	telexservicesllc telexservicesllc	18757075	18757075	\$ (359.50)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.co m	6173086292	6173086292	telexs5		2/6/14	3/14/14	104 Broadway		2145	somerville	MA	US
2265	18780383	telexservicesllc telexservicesllc	18757075	18757075	\$ (359.50)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.co m	6173086292	6173086292	telexs6		2/6/14	3/14/14	104 Broadway		2145	somerville	MA	US
2266	18781153	telexservicesllc telexservicesllc	18757075	18757075	\$ (359.50)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.co m	6173086292	6173086292	telexs7		2/6/14	3/14/14	104 Broadway		2145	somerville	MA	US
2267	18781465	telexservicesllc telexservicesllc	18757075	18757075	\$ (359.50)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.co m	6173086292	6173086292	telexs09		2/6/14	3/14/14	104 Broadway		2145	Somerville	MA	US
2268	18781679	telexservicesllc telexservicesllc	18757075	18757075	\$ (359.50)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.co m	6173086292	6173086292	telexs10		2/6/14	3/14/14	104 Broadway		2145	Somerville	MA	US
2269	18781761	telexservicesllc telexservicesllc	18757075	18757075	\$ (359.50)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.co m	6173086292	6173086292	telexs8		2/6/14	3/14/14	104 Broadway		2145	somerville	MA	US
2270	18783063	telexservicesllc telexservicesllc	18757075	18757075	\$ (359.50)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.co m	617306292	617306292	telexs011		2/6/14	3/14/14	104 Broadway		2145	somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_nu_mero	rep_cep	city	state_code	country_code
2271	18783403	telexservicesllc	18757075	18757075	\$ (359.50)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	617306292	617306292	telexs012	2/6/14	3/14/14		104 Broadway		2145	somerville	MA	US
2272	18784725	telexservicesllc	18757075	18757075	\$ (99.80)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	1telexs04		3/14/14		104 broadway		2145	somerville	MA	US
2273	18784791	telexservicesllc	18757075	18757075	\$ (99.80)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	2telexs04		3/14/14		104 broadway		2145	somerville	MA	US
2274	18784841	telexservicesllc	18757075	18757075	\$ (99.80)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	3telexs04		3/14/14		104 broadway		2145	somerville	MA	US
2275	18784955	telexservicesllc	18757075	18757075	\$ (99.80)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	4telexs04		3/14/14		104 broadway		2145	somerville	MA	US
2276	18785001	telexservicesllc	18757075	18757075	\$ (99.80)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	5telexs04		3/14/14		104 broadway		2145	somerville	MA	US
2277	18785095	telexservicesllc	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	6telexs04		3/14/14		104 broadway		2145	somerville	MA	US
2278	18785607	telexservicesllc	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	7telexs04		3/14/14		104 broadway		2145	somerville	MA	US
2279	18785689	telexservicesllc	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	8telexs04		3/14/14		104 broadway		2145	somerville	MA	US
2280	18785727	telexservicesllc	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	9telexs04		3/14/14		104 broadway		2145	somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_nu_mero	rep_cep	city	state_code	country_code
2281	18785863	telexservicesllc	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	10telexs04		3/14/14		104 broadway		2145	somerville	MA	US
2282	18787501	telexservicesllc	18757075	18757075	\$ (99.80)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	1telexs5		3/14/14		104 broadway		2145	somerville	MA	US
2283	18787581	telexservicesllc	18757075	18757075	\$ (99.80)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	2telexs5		3/14/14		104 broadway		2145	somerville	MA	US
2284	18787615	telexservicesllc	18757075	18757075	\$ (99.80)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	3telexs5		3/14/14		104 broadway		2145	somerville	MA	US
2285	18787697	telexservicesllc	18757075	18757075	\$ (99.80)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	4telexs5		3/14/14		104 broadway		2145	somerville	MA	US
2286	18787751	telexservicesllc	18757075	18757075	\$ (99.80)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	5telexs5		3/14/14		104 broadway		2145	somerville	MA	US
2287	18787783	telexservicesllc	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	6telexs5		3/14/14		104 broadway		2145	somerville	MA	US
2288	18787975	telexservicesllc	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	7telexs5		3/14/14		104 broadway		2145	somerville	MA	US
2289	18788015	telexservicesllc	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	8telexs5		3/14/14		104 broadway		2145	somerville	MA	US
2290	18788053	telexservicesllc	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	9telexs5		3/14/14		104 broadway		2145	somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
2291	18788255	telexservicesllc	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	10telexs5		3/14/14		104 broadway		2145	somerville	MA	US
2292	18790223	telexservicesllc	18757075	18757075	\$ (99.80)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	1telexs6		3/14/14		104 Broadway		2145	Somerville	MA	US
2293	18790311	telexservicesllc	18757075	18757075	\$ (99.80)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	2telexs6		3/14/14		104 Broadway		2145	Somerville	MA	US
2294	18790349	telexservicesllc	18757075	18757075	\$ (99.80)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	3telexs6		3/14/14		104 Broadway		2145	Somerville	MA	US
2295	18790467	telexservicesllc	18757075	18757075	\$ (99.80)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	4telexs6		3/14/14		104 Broadway		2145	Somerville	MA	US
2296	18790615	telexservicesllc	18757075	18757075	\$ (99.80)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	5telexs6		3/14/14		104 Broadway		2145	Somerville	MA	US
2297	18790653	telexservicesllc	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	6telexs6		3/14/14		104 Broadway		2145	Somerville	MA	US
2298	18790751	telexservicesllc	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	7telexs6		3/14/14		104 Broadway		2145	Somerville	MA	US
2299	18790795	telexservicesllc	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	8telexs6		3/14/14		104 Broadway		2145	Somerville	MA	US
2300	18790943	telexservicesllc	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	9telexs6		3/14/14		104 Broadway		2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
2301	18791047	telexservicesllc	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	10telexs6		3/14/14		104 Broadway		2145	Somerville	MA	US
2302	18792207	Benjamin Argueta	2522900	2522900	\$ (359.50)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	tribeusa4	12/1/76	3/14/14		14 Illinois ave	1	2145	Somerville	MA	US
2303	18793123	telexservicesllc	18757075	18757075	\$ (99.80)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	1telexs7		3/14/14		104 Broadway		2145	Somerville	MA	US
2304	18793215	telexservicesllc	18757075	18757075	\$ (99.80)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	2telexs7		3/14/14		104 Broadway		2145	Somerville	MA	US
2305	18793471	telexservicesllc	18757075	18757075	\$ (99.80)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	3telexs7		3/14/14		104 Broadway		2145	Somerville	MA	US
2306	18793615	telexservicesllc	18757075	18757075	\$ (99.80)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	4telexs7		3/14/14		104 Broadway		2145	Somerville	MA	US
2307	18793685	telexservicesllc	18757075	18757075	\$ (99.80)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	5telexs7		3/14/14		104 Broadway		2145	Somerville	MA	US
2308	18793903	telexservicesllc	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	6telexs7		3/14/14		104 Broadway		2145	Somerville	MA	US
2309	18793993	telexservicesllc	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	7telexs7		3/14/14		104 Broadway		2145	Somerville	MA	US
2310	18794197	telexservicesllc	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	8telexs7		3/14/14		104 Broadway		2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_nu_mero	rep_cep	city	state_code	country_code
2311	18794239	telexservicesllc	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	9telexs7		3/14/14		104 Broadway		2145	Somerville	MA	US
2312	18794343	telexservicesllc	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	10telexs7		3/14/14		104 Broadway		2145	Somerville	MA	US
2313	18795421	benjamin argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	4tribe1		3/14/14		14 illinois ave	1	2145	somerville	MA	US
2314	18795493	benjamin argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	4tribe2		3/14/14		14 illinois ave	1	2145	somerville	MA	US
2315	18795559	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	4tribe3		3/14/14		14 illinois ave	1	2145	somerville	MA	US
2316	18795731	benjamin argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	4tribe4		3/14/14		14 illinois ave	1	2145	somerville	MA	US
2317	18795777	benjamin argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	4tribe5		3/14/14		14 illinois ave	1	2145	somerville	MA	US
2318	18795797	telexservicesllc	18757075	18757075	\$ (99.80)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	1telexs8		3/14/14		104 Broadway		2145	Somerville	MA	US
2319	18795821	benjamin argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	4tribe6		3/14/14		14 illinois ave	1	2145	somerville	MA	US
2320	18795855	telexservicesllc	18757075	18757075	\$ (99.80)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	2telexs8		3/14/14		104 Broadway		2145	Somerville	MA	US
2321	18795917	telexservicesllc	18757075	18757075	\$ (99.80)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	3telexs8		3/14/14		104 Broadway		2145	Somerville	MA	US
2322	18795929	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	4tribe7		3/14/14		14 illinois ave	1	2145	somerville	MA	US
2323	18795959	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	4tribe8		3/14/14		14 illinois ave	1	2145	somerville	MA	US
2324	18795979	telexservicesllc	18757075	18757075	\$ (99.80)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	4telexs8		3/14/14		104 Broadway		2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_nu_mero	rep_cep	city	state_code	country_code
2325	18796003	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	4tribe9		3/14/14		14 illinois ave	1	2145	somerville	MA	US
2326	18796055	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	4tribe10		3/14/14		14 illinois ave	1	2145	somerville	MA	US
2327	18796163	telexservicesllc	18757075	18757075	\$ (99.80)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	5telexs8		3/14/14		104 Broadway		2145	Somerville	MA	US
2328	18796333	telexservicesllc	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	6telexs8		3/14/14		104 Broadway		2145	Somerville	MA	US
2329	18796469	telexservicesllc	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	7telexs8		3/14/14		104 Broadway		2145	Somerville	MA	US
2330	18796525	telexservicesllc	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	8telexs8		3/14/14		104 Broadway		2145	Somerville	MA	US
2331	18796595	telexservicesllc	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	9telexs8		3/14/14		104 Broadway		2145	Somerville	MA	US
2332	18796673	telexservicesllc	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	10telexs8		3/14/14		104 Broadway		2145	Somerville	MA	US
2333	18797443	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com		8572598240	4tribe03		3/14/14		14 Illinois ave	1	2145	somerville	MA	US
2334	18798193	telexservicesllc	18757075	18757075	\$ (99.80)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	1telexs09		3/14/14		104 Broadway		2145	Somerville	MA	US
2335	18798259	telexservicesllc	18757075	18757075	\$ (99.80)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	2telexs09		3/14/14		104 Broadway		2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_nu_mero	rep_cep	city	state_code	country_code
2336	18798289	telexservicesllc	18757075	18757075	\$ (99.80)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	3telexs09		3/14/14		104 Broadway		2145	Somerville	MA	US
2337	18798405	telexservicesllc	18757075	18757075	\$ (99.80)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	4telexs09		3/14/14		104 Broadway		2145	Somerville	MA	US
2338	18798429	telexservicesllc	18757075	18757075	\$ (99.80)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	5telexs09		3/14/14		104 Broadway		2145	Somerville	MA	US
2339	18798465	telexservicesllc	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	6telexs09		3/14/14		104 Broadway		2145	Somerville	MA	US
2340	18798509	telexservicesllc	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	7telexs09		3/14/14		104 Broadway		2145	Somerville	MA	US
2341	18798569	telexservicesllc	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	8telexs09		3/14/14		104 Broadway		2145	Somerville	MA	US
2342	18798591	telexservicesllc	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	9telexs09		3/14/14		104 Broadway		2145	Somerville	MA	US
2343	18798665	telexservicesllc	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	10telexs09		3/14/14		104 Broadway		2145	Somerville	MA	US
2344	18798845	Benjamin Argueta	2522900	2522900	\$ (359.50)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	tribeusa5	12/1/76	3/14/14		14 Illinois ave		2145	somerville	MA	US
2345	18799547	benjamin argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	5tribe1		3/14/14		14 Illinois ave		2145	somerville	MA	US
2346	18799637	benjamin argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	5tribe2		3/14/14		14 Illinois ave		2145	somerville	MA	US
2347	18799723	benjamin argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	5tribe3		3/14/14		14 Illinois ave		2145	somerville	MA	US



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_nu_mero	rep_cep	city	state_code	country_code
2348	18799797	benjamin argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	5tribe4		3/14/14		14 Illinois ave		2145	somerville	MA	US
2349	18799851	benjamin argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	5tribe5		3/14/14		14 Illinois ave		2145	somerville	MA	US
2350	18799885	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	5tribe6		3/14/14		14 Illinois ave		2145	somerville	MA	US
2351	18799931	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	5tribe7		3/14/14		14 Illinois ave		2145	somerville	MA	US
2352	18799995	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	5tribe8		3/14/14		14 Illinois ave		2145	somerville	MA	US
2353	18800049	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	5tribe9		3/14/14		14 Illinois ave		2145	somerville	MA	US
2354	18800125	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	5tribe10		3/14/14		14 Illinois ave		2145	somerville	MA	US
2355	18802611	telexservicesllc	18757075	18757075	\$ (99.80)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	1telexs10		3/14/14		104 Broadway		2145	Somerville	MA	US
2356	18802673	telexservicesllc	18757075	18757075	\$ (99.80)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	2telexs10		3/14/14		104 Broadway		2145	Somerville	MA	US
2357	18802715	telexservicesllc	18757075	18757075	\$ (99.80)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	3telexs10		3/14/14		104 Broadway		2145	Somerville	MA	US
2358	18802891	telexservicesllc	18757075	18757075	\$ (99.80)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	4telexs10		3/14/14		104 Broadway		2145	Somerville	MA	US
2359	18802933	telexservicesllc	18757075	18757075	\$ (99.80)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	5telexs10		3/14/14		104 Broadway		2145	Somerville	MA	US
2360	18802983	telexservicesllc	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	6telexs10		3/14/14		104 Broadway		2145	Somerville	MA	US
2361	18803077	Benjamin Argueta	2522900	2522900	\$ (359.50)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	tribeusa7	12/1/76	3/14/14		14 Illinois Ave	1	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
2362	18803255	telexservicesllc	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	7telexs10		3/14/14		104 Broadway		2145	Somerville	MA	US
2363	18803317	telexservicesllc	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	8telexs10		3/14/14		104 Broadway		2145	Somerville	MA	US
2364	18803359	telexservicesllc	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	9telexs10		3/14/14		104 Broadway		2145	Somerville	MA	US
2365	18803591	telexservicesllc	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	6173086292	6173086292	10telexs10		3/14/14		104 Broadway		2145	Somerville	MA	US
2366	18804011	Benjamin Argueta	2522900	2522900	\$ (359.50)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	tribeusa6	12/1/77	3/14/14		14 Illinois ave		2145	Somerville	MA	US
2367	18804749	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	6tribe1		3/14/14		14 Illinois ave		2145	somerville	MA	US
2368	18804803	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	6tribe2		3/14/14		14 Illinois ave		2145	somerville	MA	US
2369	18804873	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	6tribe3		3/14/14		14 Illinois ave		2145	somerville	MA	US
2370	18804927	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	6tribe4		3/14/14		14 Illinois ave		2145	somerville	MA	US
2371	18804953	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	6tribe5		3/14/14		14 Illinois ave		2145	somerville	MA	US
2372	18805007	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	6tribe6		3/14/14		14 Illinois ave		2145	somerville	MA	US
2373	18805033	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	6tribe7		3/14/14		14 Illinois ave		2145	somerville	MA	US
2374	18805117	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	6tribe8		3/14/14		14 Illinois ave		2145	somerville	MA	US
2375	18805167	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	6tribe9		3/14/14		14 Illinois ave		2145	somerville	MA	US
2376	18805207	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	6tribe10		3/14/14		14 Illinois ave		2145	somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
2377	18807393	telexsolutionsllc	18807393	18757075	\$ (99.80)	\$ (28,462.90)	\$ (1,497.00)	telexall@gmail.com	6173086292	6173086292	01telexs011		3/14/14		104 Broadway		2145	Somerville	MA	US
2378	18807613	telexsolutionsllc	18807393	18757075	\$ (99.80)	\$ (28,462.90)	\$ (1,497.00)	telexall@gmail.com	6173086292	6173086292	02telexs011		3/14/14		104 Broadway		2145	Somerville	MA	US
2379	18807909	telexsolutionsllc	18807393	18757075	\$ (99.80)	\$ (28,462.90)	\$ (1,497.00)	telexall@gmail.com	6173086292	6173086292	3telexs011		3/14/14		104 Broadway		2145	Somerville	MA	US
2380	18807981	telexsolutionsllc	18807393	18757075	\$ (99.80)	\$ (28,462.90)	\$ (1,497.00)	telexall@gmail.com	6173086292	6173086292	4telexs011		3/14/14		104 Broadway		2145	Somerville	MA	US
2381	18808021	telexsolutionsllc	18807393	18757075	\$ (99.80)	\$ (28,462.90)	\$ (1,497.00)	telexall@gmail.com	6173086292	6173086292	5telexs011		3/14/14		104 Broadway		2145	Somerville	MA	US
2382	18808057	telexsolutionsllc	18807393	18757075	\$ (49.90)	\$ (28,462.90)	\$ (1,497.00)	telexall@gmail.com	6173086292	6173086292	6telexs011		3/14/14		104 Broadway		2145	Somerville	MA	US
2383	18808101	telexsolutionsllc	18807393	18757075	\$ (49.90)	\$ (28,462.90)	\$ (1,497.00)	telexall@gmail.com	6173086292	6173086292	7telexs011		3/14/14		104 Broadway		2145	Somerville	MA	US
2384	18808191	telexsolutionsllc	18807393	18757075	\$ (49.90)	\$ (28,462.90)	\$ (1,497.00)	telexall@gmail.com	6173086292	6173086292	8telexs011		3/14/14		104 Broadway		2145	Somerville	MA	US
2385	18808257	telexsolutionsllc	18807393	18757075	\$ (49.90)	\$ (28,462.90)	\$ (1,497.00)	telexall@gmail.com	6173086292	6173086292	9telexs011		3/14/14		104 Broadway		2145	Somerville	MA	US
2386	18808321	telexsolutionsllc	18807393	18757075	\$ (49.90)	\$ (28,462.90)	\$ (1,497.00)	telexall@gmail.com	6173086292	6173086292	10telexs011		3/14/14		104 Broadway		2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
2387	18810173	telexsolutionsllc telexsolutionsllc	18807393	18757075	\$ (49.90)	\$ (28,462.90)	\$ (1,497.00)	telexall@gmail.com	6173086292	6173086292	1telexs012		3/14/14		104 Broadway		2145	Somerville	MA	US
2388	18810863	telexsolutionsllc telexsolutionsllc	18807393	18757075	\$ (49.90)	\$ (28,462.90)	\$ (1,497.00)	telexall@gmail.com	6173086292	6173086292	001telexs012		3/14/14		104 Broadway		2145	Somerville	MA	US
2389	18811015	telexsolutionsllc telexsolutionsllc	18807393	18757075	\$ (99.80)	\$ (28,462.90)	\$ (1,497.00)	telexall@gmail.com	6173086292	6173086292	2telexs012		3/14/14		104 Broadway		2145	Somerville	MA	US
2390	18811053	telexsolutionsllc telexsolutionsllc	18807393	18757075	\$ (99.80)	\$ (28,462.90)	\$ (1,497.00)	telexall@gmail.com	6173086292	6173086292	3telexs012		3/14/14		104 Broadway		2145	Somerville	MA	US
2391	18811113	telexsolutionsllc telexsolutionsllc	18807393	18757075	\$ (99.80)	\$ (28,462.90)	\$ (1,497.00)	telexall@gmail.com	6173086292	6173086292	4telexs012		3/14/14		104 Broadway		2145	Somerville	MA	US
2392	18811155	telexsolutionsllc telexsolutionsllc	18807393	18757075	\$ (99.80)	\$ (28,462.90)	\$ (1,497.00)	telexall@gmail.com	6173086292	6173086292	5telexs012		3/14/14		104 Broadway		2145	Somerville	MA	US
2393	18811197	telexsolutionsllc telexsolutionsllc	18807393	18757075	\$ (49.90)	\$ (28,462.90)	\$ (1,497.00)	telexall@gmail.com	6173086292	6173086292	6telexs012		3/14/14		104 Broadway		2145	Somerville	MA	US
2394	18811307	telexsolutionsllc telexsolutionsllc	18807393	18757075	\$ (49.90)	\$ (28,462.90)	\$ (1,497.00)	telexall@gmail.com	6173086292	6173086292	7telexs012		3/14/14		104 Broadway		2145	Somerville	MA	US
2395	18811345	telexsolutionsllc telexsolutionsllc	18807393	18757075	\$ (49.90)	\$ (28,462.90)	\$ (1,497.00)	telexall@gmail.com	6173086292	6173086292	8telexs012		3/14/14		104 Broadway		2145	Somerville	MA	US
2396	18811405	telexsolutionsllc telexsolutionsllc	18807393	18757075	\$ (49.90)	\$ (28,462.90)	\$ (1,497.00)	telexall@gmail.com	6173086292	6173086292	9telexs012		3/14/14		104 Broadway		2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
2397	18811555	telexsolutionsllc telexsolutionsllc	18807393	18757075	\$ (49.90)	\$ (28,462.90)	\$ (1,497.00)	telexall@gmail.com	6173086292	6173086292	10telexs012		3/14/14		104 Broadway		2145	Somerville	MA	US
2398	18812103	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	7tribe1		3/14/14		14 illinois ave		2145	somerville	MA	US
2399	18812157	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	7tribe2		3/14/14		14 illinois ave		2145	somerville	MA	US
2400	18812209	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	7tribe3		3/14/14		14 illinois ave		2145	somerville	MA	US
2401	18812335	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	7tribe4		3/14/14		14 illinois ave		2145	somerville	MA	US
2402	18812439	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	7tribe5		3/14/14		14 illinois ave		2145	somerville	MA	US
2403	18812489	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	7tribe6		3/14/14		14 illinois ave		2145	somerville	MA	US
2404	18812545	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	7tribe7		3/14/14		14 illinois ave		2145	somerville	MA	US
2405	18812591	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	7tribe8		3/14/14		14 illinois ave		2145	somerville	MA	US
2406	18812631	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	7tribe9		3/14/14		14 illinois ave		2145	somerville	MA	US
2407	18812741	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	7tribe10		3/14/14		14 illinois ave		2145	somerville	MA	US
2408	18814115	Benjamin Argueta	2522900	2522900	\$ (359.50)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	tribeusa8	12/1/76	3/14/14		14 Illinois ave	1	2145	somerville	MA	US
2409	18814797	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	8tribe1		3/14/14		14 illinois ave		2145	somerville	MA	US
2410	18814861	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	8tribe2		3/14/14		14 illinois ave		2145	somerville	MA	US
2411	18814901	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	8tribe3		3/14/14		14 illinois ave		2145	somerville	MA	US
2412	18814981	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	8tribe4		3/14/14		14 illinois ave		2145	somerville	MA	US
2413	18815023	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	8tribe5		3/14/14		14 illinois ave		2145	somerville	MA	US
2414	18815073	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	8tribe6		3/14/14		14 illinois ave		2145	somerville	MA	US
2415	18815137	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	8tribe7		3/14/14		14 illinois ave		2145	somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
2416	18815189	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	8tribe8		3/14/14		14 illinois ave		2145	somerville	MA	US
2417	18815253	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	8tribe9		3/14/14		14 illinois ave		2145	somerville	MA	US
2418	18815315	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	8tribe10		3/14/14		14 illinois ave		2145	somerville	MA	US
2419	18815687	Benjamin Argueta	2522900	2522900	\$ (359.50)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	tribeusa9	12/1/76	3/14/14		14 Illinois ave	1	2145	somerville	MA	US
2420	18815875	Benjamin Argueta	2522900	2522900	\$ (359.50)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	tribeusa10	12/1/76	3/14/14		14 Illinois ave	1	2145	somerville	MA	US
2421	18817121	Benjamin argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreen@gmail.com	8572598240	8572598240	9tribe1		3/14/14		14 illinois ave		2145	somerville	MA	US
2422	18817171	Benjamin argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreen@gmail.com	8572598240	8572598240	9tribe2		3/14/14		14 illinois ave		2145	somerville	MA	US
2423	18817243	Benjamin argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreen@gmail.com	8572598240	8572598240	9tribe3		3/14/14		14 illinois ave		2145	somerville	MA	US
2424	18817333	Benjamin argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreen@gmail.com	8572598240	8572598240	9tribe4		3/14/14		14 illinois ave		2145	somerville	MA	US
2425	18817365	Benjamin argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreen@gmail.com	8572598240	8572598240	9tribe5		3/14/14		14 illinois ave		2145	somerville	MA	US
2426	18817413	Benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreen@gmail.com	8572598240	8572598240	9tribe6		3/14/14		14 illinois ave		2145	somerville	MA	US
2427	18817477	Benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreen@gmail.com	8572598240	8572598240	9tribe7		3/14/14		14 illinois ave		2145	somerville	MA	US
2428	18817543	Benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreen@gmail.com	8572598240	8572598240	9tribe8		3/14/14		14 illinois ave		2145	somerville	MA	US
2429	18817595	Benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreen@gmail.com	8572598240	8572598240	9tribe9		3/14/14		14 illinois ave		2145	somerville	MA	US
2430	18817655	Benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreen@gmail.com	8572598240	8572598240	9tribe10		3/14/14		14 illinois ave		2145	somerville	MA	US
2431	18817845	Benjamin Argueta	2522900	2522900	\$ (359.50)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	tribeusa11	12/1/76	3/14/14		14 Illinois ave	1	2145	somerville	MA	US
2432	18818269	Benjamin Argueta	2522900	2522900	\$ (359.50)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	tribeusa111	12/1/76	3/14/14		14 Illinois ave	1	2145	somerville	MA	US
2433	18818771	Benjamin Argueta	2522900	2522900	\$ (359.50)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	tribeusa12	12/1/76	3/14/14		14 Illinois ave	1	2145	somerville	MA	US
2434	18819855	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	10tribe1		3/14/14		14 illinois ave		2145	somerville	MA	US
2435	18819921	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	10tribe2		3/14/14		14 illinois ave		2145	somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
2436	18820043	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	10tribe3		3/14/14		14 illinois ave		2145	somerville	MA	US
2437	18820241	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	10tribe4		3/14/14		14 illinois ave		2145	somerville	MA	US
2438	18820295	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	10tribe5		3/14/14		14 illinois ave		2145	somerville	MA	US
2439	18820361	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	10tribe6		3/14/14		14 illinois ave		2145	somerville	MA	US
2440	18820443	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	10tribe7		3/14/14		14 illinois ave		2145	somerville	MA	US
2441	18820507	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	10tribe8		3/14/14		14 illinois ave		2145	somerville	MA	US
2442	18820549	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	10tribe9		3/14/14		14 illinois ave		2145	somerville	MA	US
2443	18820615	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	10tribe10		3/14/14		14 illinois ave		2145	somerville	MA	US
2444	18822439	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreen@gmail.com	8572598240	8572598240	11tribe1		3/14/14		14 illinois ave		2145	somerville	MA	US
2445	18822659	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreen@gmail.com	8572598240	8572598240	11tribe2		3/14/14		14 illinois ave		2145	somerville	MA	US
2446	18822815	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreen@gmail.com	8572598240	8572598240	11tribe3		3/14/14		14 illinois ave		2145	somerville	MA	US
2447	18822905	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreen@gmail.com	8572598240	8572598240	11tribe4		3/14/14		14 illinois ave		2145	somerville	MA	US
2448	18822939	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreen@gmail.com	8572598240	8572598240	11tribe5		3/14/14		14 illinois ave		2145	somerville	MA	US
2449	18823075	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreen@gmail.com	8572598240	8572598240	11tribe6		3/14/14		14 illinois ave		2145	somerville	MA	US
2450	18823139	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreen@gmail.com	8572598240	8572598240	11tribe7		3/14/14		14 illinois ave		2145	somerville	MA	US
2451	18823213	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreen@gmail.com	8572598240	8572598240	11tribe8		3/14/14		14 illinois ave		2145	somerville	MA	US
2452	18823309	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreen@gmail.com	8572598240	8572598240	11tribe9		3/14/14		14 illinois ave		2145	somerville	MA	US
2453	18823363	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreen@gmail.com	8572598240	8572598240	11tribe10		3/14/14		14 illinois ave		2145	somerville	MA	US
2454	18825089	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreen@gmail.com	8572598240	8572598240	12tribe1		3/14/14		14 illinois ave		2145	somerville	MA	US
2455	18825131	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreen@gmail.com	8572598240	8572598240	12tribe2		3/14/14		14 illinois ave		2145	somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_nu_mero	rep_cep	city	state_code	country_code
2456	18825187	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreben@gmail.com	8572598240	8572598240	12tribe3		3/14/14		14 illinois ave		2145	somerville	MA	US
2457	18825249	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreben@gmail.com	8572598240	8572598240	12tribe4		3/14/14		14 illinois ave		2145	somerville	MA	US
2458	18825331	Benjamin Argueta	2522900	2522900	\$ (99.80)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreben@gmail.com	8572598240	8572598240	12tribe5		3/14/14		14 illinois ave		2145	somerville	MA	US
2459	18825399	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreben@gmail.com	8572598240	8572598240	12tribe6		3/14/14		14 illinois ave		2145	somerville	MA	US
2460	18825479	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreben@gmail.com	8572598240	8572598240	12tribe7		3/14/14		14 illinois ave		2145	somerville	MA	US
2461	18825531	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreben@gmail.com	8572598240	8572598240	12tribe8		3/14/14		14 illinois ave		2145	somerville	MA	US
2462	18825603	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreben@gmail.com	8572598240	8572598240	12tribe9		3/14/14		14 illinois ave		2145	somerville	MA	US
2463	18825677	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreben@gmail.com	8572598240	8572598240	12tribe10		3/14/14		14 illinois ave		2145	somerville	MA	US
2464	23032805	telexservicesllc	18757075	18757075	\$ (339.60)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	alithia2	8/21/87	3/25/14		104 Broadway Somerville MA 02145	2145	2145	Boston	MA	US
2465	23041927	telexservicesllc	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	alithia2s8		3/25/14		104 Broadway Somerville MA 02145	123	123	Boston	MA	US
2466	23042169	telexservicesllc	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	alithia2s9		3/25/14		104 Broadway Somerville MA 02145	123	123	Boston	MA	US
2467	23042439	telexservicesllc	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	alithia2s10		3/25/14		104 Broadway Somerville MA 02145	123	123	Boston	MA	US
2468	23135275	telexservicesllc	18757075	18757075	\$ (339.60)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs013	8/21/87	3/25/14		104 Broadway Somerville MA 02145		123	Somerville	MA	US
2469	24029218	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1tribe111		3/27/14		14 illinois av	1	2145	somerville	MA	US
2470	24029604	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	2tribe111		3/27/14		14 illinois av	1	2145	somerville	MA	US



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_nu_mero	rep_cep	city	state_code	country_code
2471	24033438	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	3tribe111		3/27/14		14 illinois av	1	2145	somerville	MA	US
2472	24033566	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	4tribe111		3/27/14		14 illinois av	1	2145	somerville	MA	US
2473	24033772	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	5tribe111		3/27/14		14 illinois av	1	2145	somerville	MA	US
2474	24033932	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	6tribe111		3/27/14		14 illinois av	1	2145	somerville	MA	US
2475	24034148	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	7tribe111		3/27/14		14 illinois av	1	2145	somerville	MA	US
2476	24034324	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	8tribe111		3/27/14		14 illinois av	1	2145	somerville	MA	US
2477	24034574	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	9tribe111		3/27/14		14 illinois av	1	2145	somerville	MA	US
2478	24038502	benjamin argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	10tribe111		3/27/14		14 illinois av	1	2145	somerville	MA	US
2479	24831062	telexserviceslls	18757075	18757075	\$ (339.60)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs014	8/21/13	3/29/14		104 Broadway Somerville		2145	MA	MA	US
2480	24832608	telexserviceslls	18757075	18757075	\$ (339.60)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs015	8/21/13	3/29/14		104 Broadway Somerville		2145	MA	MA	US
2481	24838478	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs013s1		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2482	24839270	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs013s2		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2483	24839568	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs013s3		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2484	24839802	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs013s4		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
2485	24839986	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs013s5		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2486	24840292	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs013s6		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2487	24840438	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs013s7		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2488	24840666	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs013s8		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2489	24840838	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs013s9		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2490	24840974	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs013s10		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2491	24841952	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs014s1		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2492	24842136	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs014s2		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2493	24842312	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs014s3		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2494	24842498	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs014s4		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
2495	24842688	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs014s5		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2496	24842864	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs014s6		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2497	24843404	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs014s7		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2498	24843568	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs014s8		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2499	24843740	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs014s9		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2500	24843852	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs014s10		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2501	24845070	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs015s1		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2502	24845390	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs015s2		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2503	24845544	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs015s3		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2504	24845744	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs015s4		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
2505	24845852	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs015s5		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2506	24845966	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs015s6		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2507	24846090	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs015s7		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2508	24846260	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs015s8		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2509	24846392	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs015s9		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2510	24846498	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs015s10		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2511	24850412	telexserviceslls	18757075	18757075	\$ (339.60)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs016	2/6/14	3/29/14		104 Broadway Somerville		2145	Somerville	MA	US
2512	24854112	telexserviceslls	18757075	18757075	\$ (339.60)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs017	6/2/14	3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2513	24856198	telexserviceslls	18757075	18757075	\$ (339.60)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs018	6/2/14	3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2514	24857266	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs016s1		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
2515	24857842	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs016s2		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2516	24858016	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs016s3		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2517	24858288	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs016s4		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2518	24858486	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs016s5		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2519	24858702	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs016s7		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2520	24858920	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs016s8		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2521	24859074	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs016s9		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2522	24859238	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs016s10		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2523	24859986	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs017s1		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2524	24860166	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs017s2		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
2525	24860296	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs017s3		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2526	24860444	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs017s4		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2527	24860830	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs017s5		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2528	24861126	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs017s6		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2529	24861306	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs017s7		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2530	24861492	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs017s8		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2531	24861698	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs017s9		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2532	24862004	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs017s10		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2533	24862574	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs018s1		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2534	24862688	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs018s2		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
2535	24863158	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs018s4		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2536	24863454	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs018s5		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2537	24863618	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs018s6		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2538	24863760	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs018s7		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2539	24863888	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs018s8		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2540	24864046	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs018s9		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2541	24864194	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs018s10		3/29/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2542	25361258	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	86chelino86		3/30/14		14 Illinois Ave		2145	Somerville	MA	US
2543	25365486	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	88chelino88		3/30/14		14 Illinois Ave		2145	Somerville	MA	US
2544	25479600	telexserviceslls	18757075	18757075	\$ (339.60)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs022	6/2/14	3/30/14		104 Broadway Somerville		2145	Somerville	MA	US
2545	25482406	telexserviceslls	18757075	18757075	\$ (339.60)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs023	2/6/14	3/30/14		104 Broadway Somerville		2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
2546	25483460	telexserviceslls	18757075	18757075	\$ (339.60)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs024	2/6/14	3/30/14		104 Broadway Somerville		2145	Somerville	MA	US
2547	25485942	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs022s1		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2548	25486120	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs022s2		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2549	25486266	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs022s3		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2550	25486474	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs022s4		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2551	25486628	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs022s5		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2552	25486762	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs022s6		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2553	25486908	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs022s7		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2554	25487026	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs022s8		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2555	25487128	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs022s9		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
2556	25487346	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs022s10		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2557	25488140	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs023s1		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2558	25488416	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs023s2		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2559	25488532	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs023s3		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2560	25488650	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs023s4		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2561	25488750	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs023s5		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2562	25488884	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs023s6		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2563	25489050	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs023s7		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2564	25489154	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs023s8		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2565	25489236	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs023s9		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
2566	25489368	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs023s10		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2567	25490730	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs024s1		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2568	25491010	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs024s2		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2569	25491208	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs024s3		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2570	25491386	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs024s4		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2571	25491510	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs024s5		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2572	25491648	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs024s6		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2573	25491852	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs024s7		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2574	25492014	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs024s8		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2575	25492300	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs024s9		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
2576	25492398	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs024s10		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2577	25496516	telexserviceslls	18757075	18757075	\$ (339.60)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs019	2/6/14	3/30/14		104 Broadway Somerville		2145	Somerville	MA	US
2578	25500652	telexserviceslls	18757075	18757075	\$ (339.60)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs020	2/6/14	3/30/14		104 Broadway Somerville		2145	Somerville	MA	US
2579	25501368	telexserviceslls	18757075	18757075	\$ (339.60)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs021	2/6/14	3/30/14		104 Broadway Somerville		2145	Somerville	MA	US
2580	25502982	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs019s1		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2581	25503460	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs019s2		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2582	25503576	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs019s3		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2583	25503746	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs019s4		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2584	25503892	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs019s5		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2585	25504024	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs019s6		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
2586	25504390	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs019s7		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2587	25504548	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs019s8		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2588	25504680	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs019s9		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2589	25504890	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs019s10		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2590	25505488	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs020s1		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2591	25505648	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs020s2		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2592	25505954	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs020s3		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2593	25506230	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs020s4		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2594	25506402	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs020s5		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2595	25506750	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs020s6		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
2596	25507028	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs020s7		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2597	25507186	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs020s8		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2598	25507360	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs020s9		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2599	25507526	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs020s10		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2600	25508120	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs021s1		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2601	25508742	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs021s3		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2602	25508928	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs021s4		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2603	25509054	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs021s5		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2604	25509220	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs021s6		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2605	25509386	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs021s7		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_nu_mero	rep_cep	city	state_code	country_code
2606	25509502	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs021s8		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2607	25509762	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs021s9		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2608	25509886	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs021s10		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2609	25521306	telexserviceslls	18757075	18757075	\$ (339.60)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs025	2/6/14	3/30/14		104 Broadway Somerville		2145	Somerville	MA	US
2610	25523334	telexserviceslls	18757075	18757075	\$ (339.60)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs026	2/6/14	3/30/14		104 Broadway Somerville		2145	Somerville	MA	US
2611	25524058	telexserviceslls	18757075	18757075	\$ (339.60)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs027	2/6/14	3/30/14		104 Broadway Somerville		2145	Somerville	MA	US
2612	25524816	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs025s1		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2613	25524982	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs025s2		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2614	25525102	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs025s3		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2615	25525296	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs025s4		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
2616	25525534	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs025s5		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2617	25525696	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs025s6		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2618	25525848	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs025s7		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2619	25526012	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs025s8		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2620	25526142	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs025s9		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2621	25526280	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs025s10		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2622	25527190	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs026s1		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2623	25527402	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs026s2		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2624	25527652	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs026s3		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2625	25528096	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs026s4		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
2626	25528434	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs026s6		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2627	25528592	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs026s7		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2628	25529094	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs026s8		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2629	25529318	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs026s9		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2630	25529406	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs026s10		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2631	25529540	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs026s5		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2632	25529946	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs027s1		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2633	25530206	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs027s2		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2634	25530324	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs027s7		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2635	25530414	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs027s8		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
2636	25530676	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs027s9		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2637	25530836	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs027s10		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2638	25531106	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs027s3		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2639	25531202	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs027s4		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2640	25531654	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs027s5		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2641	25531742	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs027s6		3/30/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2642	25534338	telexserviceslls	18757075	18757075	\$ (339.60)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs028	2/6/14	3/30/14		104 Broadway Somerville		2145	Somerville	MA	US
2643	25535308	telexserviceslls	18757075	18757075	\$ (339.60)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs029	2/6/14	3/30/14		104 Broadway Somerville		2145	Somerville	MA	US
2644	25535624	telexserviceslls	18757075	18757075	\$ (339.60)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs030	2/6/14	3/30/14		104 Broadway Somerville		2145	Somerville	MA	US
2645	25536398	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs028s1		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
2646	25536502	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs028s2		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2647	25536636	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs028s3		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2648	25537004	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs028s4		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2649	25537090	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs028s5		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2650	25537168	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs028s6		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2651	25537248	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs028s7		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2652	25537328	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs028s8		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2653	25538020	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs028s9		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2654	25538066	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs028s10		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2655	25538344	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs029s1		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
2656	25538416	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs029s2		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2657	25538494	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs029s3		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2658	25538556	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs029s4		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2659	25538626	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs029s5		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2660	25538670	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs029s6		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2661	25538764	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs029s7		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2662	25538830	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs029s8		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2663	25538890	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs029s9		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2664	25538948	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs029s10		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2665	25539200	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs030s1		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
2666	25539284	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs030s2		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2667	25539350	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs030s3		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2668	25539394	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs030s4		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2669	25539464	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs030s5		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2670	25539614	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs030s6		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2671	25539668	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs030s7		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2672	25539726	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs030s8		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2673	25539786	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs030s9		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2674	25539840	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs030s10		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2675	25642992	telexserviceslls	18757075	18757075	\$ (339.60)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs031	2/6/14	3/31/14		104 Broadway Somerville		2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
2676	25645156	telexserviceslls	18757075	18757075	\$ (339.60)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs032	2/6/14	3/31/14		104 Broadway Somerville		2145	Somerville	MA	US
2677	25645608	telexserviceslls	18757075	18757075	\$ (339.60)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs033	2/6/14	3/31/14		104 Broadway Somerville		2145	Somerville	MA	US
2678	25652860	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs031s1		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2679	25652932	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs031s2		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2680	25653056	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs031s3		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2681	25653214	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs031s4		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2682	25653398	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs031s5		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2683	25653558	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs031s6		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2684	25653642	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs031s7		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2685	25653734	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs031s8		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
2686	25654044	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs031s9		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2687	25654114	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs031s10		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2688	25654546	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs032s1		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2689	25655306	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs032s2		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2690	25655414	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs032s3		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2691	25655590	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs032s4		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2692	25655724	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs032s5		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2693	25655874	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs032s6		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2694	25656160	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs032s7		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2695	25656300	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs032s8		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
2696	25656456	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs032s9		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2697	25656612	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs032s10		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2698	25657788	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs033s1		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2699	25657904	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs033s2		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2700	25658030	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs033s3		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2701	25658196	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs033s4		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2702	25658800	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs033s5		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2703	25659080	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs033s6		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2704	25659210	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs033s7		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2705	25659404	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs033s8		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
2706	25659608	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs033s9		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2707	25659734	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs033s10		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2708	25663556	telexserviceslls	18757075	18757075	\$ (339.60)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs034	2/6/14	3/31/14		104 Broadway Somerville		2145	Somerville	MA	US
2709	25665038	telexserviceslls	18757075	18757075	\$ (339.60)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs035	2/6/14	3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2710	25668164	telexserviceslls	18757075	18757075	\$ (339.60)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs036	2/6/14	3/31/14		104 Broadway Somerville		2145	Somerville	MA	US
2711	25675946	telexserviceslls	18757075	18757075	\$ (339.60)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs36	2/6/14	3/31/14		104 Broadway Somerville		2145	Somerville	MA	US
2712	25686142	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs016s6		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2713	25687788	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs018s3		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2714	25700714	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs021s2		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2715	25770356	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs034s1		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
2716	25770608	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs034s2		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2717	25770744	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs034s3		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2718	25770872	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs034s5		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2719	25771128	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs034s6		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2720	25772274	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs034s4		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2721	25772638	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs034s8		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2722	25772830	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs034s9		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2723	25772984	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs034s10		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2724	25773392	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs034s71		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2725	25774036	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs035s1		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
2726	25774192	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs035s2		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2727	25774440	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs035s3		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2728	25774674	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs035s4		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2729	25774946	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs035s5		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2730	25775118	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs035s6		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2731	25775638	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs035s7		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2732	25775906	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs035s8		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2733	25776054	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs035s9		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2734	25776190	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs035s10		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2735	25777006	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	telexs036s1		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
2736	25777312	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	180082949	18008294933	telexs036s2		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2737	25777502	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	180082949	18008294933	telexs036s3		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2738	25777654	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	180082949	18008294933	telexs036s4		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2739	25777848	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	180082949	18008294933	telexs036s5		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2740	25778046	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	180082949	18008294933	telexs036s6		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2741	25779088	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	180082949	18008294933	telexs036s8		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2742	25779202	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	180082949	18008294933	telexs036s9		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2743	25779554	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	180082949	18008294933	telexs036s10		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2744	25779730	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	180082949	18008294933	telexs036s7		3/31/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2745	26025960	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1mayasol13		4/1/14		14 Illinois ave	1	2145	somerville	MA	US
2746	26026078	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	2mayasol13		4/1/14		14 Illinois ave	1	2145	somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
2747	26026228	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	3mayasol13		4/1/14		14 Illinois ave	1	2145	somerville	MA	US
2748	26026348	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	4mayasol13		4/1/14		14 Illinois ave	1	2145	somerville	MA	US
2749	26026502	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	5mayasol13		4/1/14		14 Illinois ave	1	2145	somerville	MA	US
2750	26029754	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	2julisaa1		4/1/14		14 illinois ave		2145	somerville	MA	US
2751	26029944	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	3julisaa1		4/1/14		14 illinois ave		2145	somerville	MA	US
2752	26030026	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	4julisaa1		4/1/14		14 illinois ave		2145	somerville	MA	US
2753	26030080	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	5julisaa1		4/1/14		14 illinois ave		2145	somerville	MA	US
2754	26030130	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	6julisaa1		4/1/14		14 illinois ave		2145	somerville	MA	US
2755	26030266	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1julisaa2		4/1/14		14 illinois ave		2145	somerville	MA	US
2756	26030330	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	2julisaa2		4/1/14		14 illinois ave		2145	somerville	MA	US
2757	26030404	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	3julisaa2		4/1/14		14 illinois ave		2145	somerville	MA	US
2758	26030506	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	4julisaa2		4/1/14		14 illinois ave		2145	somerville	MA	US
2759	26030568	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	5julisaa2		4/1/14		14 illinois ave		2145	somerville	MA	US
2760	26035130	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	6mayasol13		4/1/14		14 Illinois ave		2145	somerville	MA	US
2761	26035214	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	7mayasol13		4/1/14		14 Illinois ave		2145	somerville	MA	US
2762	26035338	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	8mayasol13		4/1/14		14 Illinois ave		2145	somerville	MA	US
2763	26035430	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	9mayasol13		4/1/14		14 Illinois ave		2145	somerville	MA	US
2764	26035552	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	10mayasol13		4/1/14		14 Illinois ave		2145	somerville	MA	US
2765	26036178	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	7julisaa1		4/1/14		14 Illinois ave		2145	somerville	MA	US
2766	26036282	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	8julisaa1		4/1/14		14 Illinois ave		2145	somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
2767	26036424	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	9julisaa1		4/1/14		14 Illinois ave		2145	somerville	MA	US
2768	26036630	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	10julisaa1		4/1/14		14 Illinois ave		2145	somerville	MA	US
2769	26036820	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	11julisaa1		4/1/14		14 Illinois ave		2145	somerville	MA	US
2770	26037094	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	6julisaa2		4/1/14		14 Illinois ave		2145	somerville	MA	US
2771	26037160	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	7julisaa2		4/1/14		14 Illinois ave		2145	somerville	MA	US
2772	26037242	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	8julisaa2		4/1/14		14 Illinois ave		2145	somerville	MA	US
2773	26037288	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	9julisaa2		4/1/14		14 Illinois ave		2145	somerville	MA	US
2774	26037362	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	10julisaa2		4/1/14		14 Illinois ave		2145	somerville	MA	US
2775	26042590	Benjamin Argueta	2522900	2522900	\$ (339.60)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayasol200	12/1/76	4/1/14		14 Illinois Ave		2145	Somerville	MA	US
2776	26046180	Benjamin Argueta	2522900	2522900	\$ (339.60)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas62	12/1/76	4/1/14		14 Illinois Ave		2145	Somerville	MA	US
2777	26047064	Benjamin Argueta	2522900	2522900	\$ (339.60)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas63	12/1/76	4/1/14		14 Illinois Ave		2145	Somerville	MA	US
2778	26048516	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1mayas63		4/1/14		14 Illinois ave		2145	somerville	MA	US
2779	26048606	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	2mayas63		4/1/14		14 Illinois ave		2145	somerville	MA	US
2780	26048668	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	3mayas63		4/1/14		14 Illinois ave		2145	somerville	MA	US
2781	26048730	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	4mayas63		4/1/14		14 Illinois ave		2145	somerville	MA	US
2782	26048864	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	5mayas63		4/1/14		14 Illinois ave		2145	somerville	MA	US
2783	26049006	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	6mayas63		4/1/14		14 Illinois ave		2145	somerville	MA	US
2784	26049074	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	7mayas63		4/1/14		14 Illinois ave		2145	somerville	MA	US
2785	26049174	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	8mayas63		4/1/14		14 Illinois ave		2145	somerville	MA	US
2786	26049248	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	9mayas63		4/1/14		14 Illinois ave		2145	somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
2787	26049292	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	10mayas63		4/1/14		14 Illinois ave		2145	somerville	MA	US
2788	26052654	Benjamin Argueta	2522900	2522900	\$ (339.60)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas64	12/1/76	4/1/14		14 Illinois Ave		2145	Somerville	MA	US
2789	26053144	Benjamin Argueta	2522900	2522900	\$ (339.60)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	mayas65	12/1/76	4/1/14		14 Illinois Ave		2145	Somerville	MA	US
2790	26056472	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	01ju3		4/1/14		14 Illinois ave		2145	Somerville	MA	US
2791	26056530	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	02ju3		4/1/14		14 Illinois ave		2145	Somerville	MA	US
2792	26056622	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	03ju3		4/1/14		14 Illinois ave		2145	Somerville	MA	US
2793	26056688	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	04ju3		4/1/14		14 Illinois ave		2145	Somerville	MA	US
2794	26056770	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	05ju3		4/1/14		14 Illinois ave		2145	Somerville	MA	US
2795	26057394	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	m641		4/1/14		14 Illinois ave		2145	Somerville	MA	US
2796	26057486	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	m642		4/1/14		14 Illinois ave		2145	Somerville	MA	US
2797	26057584	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	m643		4/1/14		14 Illinois ave		2145	Somerville	MA	US
2798	26057688	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	m645		4/1/14		14 Illinois ave		2145	Somerville	MA	US
2799	26057766	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	m646		4/1/14		14 Illinois ave		2145	Somerville	MA	US
2800	26057906	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	m647		4/1/14		14 Illinois ave		2145	Somerville	MA	US
2801	26058014	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	m648		4/1/14		14 Illinois ave		2145	Somerville	MA	US
2802	26058100	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	m649		4/1/14		14 Illinois ave		2145	Somerville	MA	US
2803	26058148	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	m6410		4/1/14		14 Illinois ave		2145	Somerville	MA	US
2804	26058392	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	m6510		4/1/14		14 Illinois ave		2145	Somerville	MA	US
2805	26058464	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	m659		4/1/14		14 Illinois ave		2145	Somerville	MA	US
2806	26058572	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	m658		4/1/14		14 Illinois ave		2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
2807	26058640	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	m657		4/1/14		14 Illinois ave		2145	Somerville	MA	US
2808	26058722	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	m656		4/1/14		14 Illinois ave		2145	Somerville	MA	US
2809	26059000	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1m655		4/1/14		14 Illinois ave		2145	Somerville	MA	US
2810	26059158	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	m654		4/1/14		14 Illinois ave		2145	Somerville	MA	US
2811	26059236	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	m653		4/1/14		14 Illinois ave		2145	Somerville	MA	US
2812	26059314	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	m652		4/1/14		14 Illinois ave		2145	Somerville	MA	US
2813	26059456	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	m651		4/1/14		14 Illinois ave		2145	Somerville	MA	US
2814	26062216	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1che1		4/1/14		14 Illinois ave		2145	somerville	MA	US
2815	26062288	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1che2		4/1/14		14 Illinois ave		2145	somerville	MA	US
2816	26062350	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1che3		4/1/14		14 Illinois ave		2145	somerville	MA	US
2817	26062420	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1che4		4/1/14		14 Illinois ave		2145	somerville	MA	US
2818	26062476	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1che5		4/1/14		14 Illinois ave		2145	somerville	MA	US
2819	26067506	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1m644		4/1/14		14 Illinois ave		2145	somerville	MA	US
2820	26078964	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	m621		4/1/14		14 Illinois Ave		2145	Somerville	MA	US
2821	26079106	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	m623		4/1/14		14 Illinois Ave		2145	Somerville	MA	US
2822	26079224	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	m624		4/1/14		14 Illinois Ave		2145	Somerville	MA	US
2823	26079328	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	m625		4/1/14		14 Illinois Ave		2145	Somerville	MA	US
2824	26079416	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	m626		4/1/14		14 Illinois Ave		2145	Somerville	MA	US
2825	26079512	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	m627		4/1/14		14 Illinois Ave		2145	Somerville	MA	US
2826	26079672	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	m628		4/1/14		14 Illinois Ave		2145	Somerville	MA	US

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_numero	rep_cep	city	state_code	country_code
2827	26079750	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	m629		4/1/14		14 Illinois Ave		2145	Somerville	MA	US
2828	26079840	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	m6210		4/1/14		14 Illinois Ave		2145	Somerville	MA	US
2829	26079990	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1m622		4/1/14		14 Illinois Ave		2145	Somerville	MA	US
2830	27912432	Benjamin Argueta	2522900	2522900	\$ (339.60)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	jonygtr3	12/1/76	4/4/14		14 Illinois ave		2145	Somerville	MA	US
2831	30438614	Luis Morales	4698828	4742108	\$ (49.90)	\$ (113,431.90)	\$ (122,516.30)	telexall@gmail.com	8572229604	18008294933	cemillas1s1		4/8/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2832	30439042	Luis Morales	4698828	4742108	\$ (49.90)	\$ (113,431.90)	\$ (122,516.30)	telexall@gmail.com	8572229604	18008294933	cemillas1s2		4/8/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2833	30439296	Luis Morales	4698828	4742108	\$ (49.90)	\$ (113,431.90)	\$ (122,516.30)	telexall@gmail.com	8572229604	18008294933	cemillas1s3		4/8/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2834	30439434	Luis Morales	4698828	4742108	\$ (49.90)	\$ (113,431.90)	\$ (122,516.30)	telexall@gmail.com	8572229604	18008294933	cemillas1s4		4/8/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2835	30449480	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	cemillas2s2		4/8/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2836	30449792	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	cemillas2s3		4/8/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2837	30450008	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	cemillas2s4		4/8/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2838	30450380	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	cemillas2s5		4/8/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2839	30452186	Luis Morales	4698828	4742108	\$ (49.90)	\$ (113,431.90)	\$ (122,516.30)	telexall@gmail.com	18008294933	18008294933	cemillas3s1		4/8/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2840	30452864	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	cemillas3s2		4/8/14		104 Broadway Somerville	123	2145	Somerville	MA	US



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	rep_id	rep_nome	cluster_id	c13	martin_net_equity	total_martin_net_equity	total_freer_net_equity	rep_email	rep_cel	rep_fone	rep_login	rep_datanasc	registration_date	ssn_id	rep_end	rep_nu_mero	rep_cep	city	state_code	country_code
2841	30453200	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	cemillas3s3		4/8/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2842	30453346	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	cemillas3s4		4/8/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2843	30453560	telexserviceslls	18757075	18757075	\$ (49.90)	\$ (28,462.90)	\$ (26,965.90)	telexall@gmail.com	18008294933	18008294933	cemillas3s5		4/8/14		104 Broadway Somerville	123	2145	Somerville	MA	US
2844	30840034	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	2mayasol34		4/9/14		14 illinois ave		2145	Somerville	MA	US
2845	30840254	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	3mayasol34		4/9/14		14 illinois ave		2145	Somerville	MA	US
2846	30840468	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	4mayasol34		4/9/14		14 illinois ave		2145	Somerville	MA	US
2847	30840682	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	5mayasol34		4/9/14		14 illinois ave		2145	Somerville	MA	US
2848	30846938	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	tekexfreeben@gmail.com	8572598240	8572598240	2cdlaisla		4/9/14		14 illinois ave		2145	Somerville	MA	US
2849	30847198	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	tekexfreeben@gmail.com	8572598240	8572598240	3cdlaisla		4/9/14		14 illinois ave		2145	Somerville	MA	US
2850	30847414	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	tekexfreeben@gmail.com	8572598240	8572598240	4cdlaisla		4/9/14		14 illinois ave		2145	Somerville	MA	US
2851	30847798	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	tekexfreeben@gmail.com	8572598240	8572598240	6cdlaisla		4/9/14		14 illinois ave		2145	Somerville	MA	US
2852	30848420	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	tekexfreeben@gmail.com	8572598240	8572598240	7cdlaisla		4/9/14		14 illinois ave		2145	Somerville	MA	US
2853	30865090	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	2mayasol5		4/9/14		14 illinois ave		2145	Somerville	MA	US
2854	30865294	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	3mayasol5		4/9/14		14 illinois ave		2145	Somerville	MA	US
2855	30865478	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	4mayasol5		4/9/14		14 illinois ave		2145	Somerville	MA	US
2856	30866002	Benjamin Argueta	2522900	2522900	\$ (49.90)	\$ 4,016,152.70	\$ 4,012,998.90	telexfreeben@gmail.com	8572598240	8572598240	1mayasol5		4/9/14		14 illinois ave		2145	Somerville	MA	US