

Problem Statement - Graded Project --- ABHINAV TYAGI

- Domain: Insurance
- Business Context A XYZ life insurance company wants to predict their customers who are
 going to churn in next month, and want you to develop a model with proper EDA to get some
 recommendation. So accordingly they can design and provide offers to the customers.
- Dataset description:

| Variable | Details | | | | | | |
|--------------------------------|---|--|--|--|--|--|--|
| CustID | unique customer identifier | | | | | | |
| Mobile_num | mobile number of customer | | | | | | |
| Churn | Customer churn indicator | | | | | | |
| Age | Age of the customer | | | | | | |
| Payment_Period | Payment frequency of the customer in a year | | | | | | |
| Product | Type of Product | | | | | | |
| Cust_Tenure | Customer Tenure | | | | | | |
| EducationField | Highest education of the customer | | | | | | |
| Gender | Customer Gender | | | | | | |
| Overall_cust_satisfation_score | Overall customer satisfaction score | | | | | | |
| Cust_Designation | Designation of the customer in the current organization | | | | | | |
| CC_Satisfation_score | Satisfaction score of customer towards customer care service | | | | | | |
| Cust_MaritalStatus | Customer marital status | | | | | | |
| Cust_Income | Customer monthly income | | | | | | |
| Agent_Tenure | Tenure of the acquisition agent | | | | | | |
| Complaint | Weather customer raise a complaint | | | | | | |
| YTD_contact_cnt | Number of time company contact to the customer for Xsell the products | | | | | | |
| Due_date_day_cnt | Number of days left for due date | | | | | | |
| Existing_policy_count | Number of existing policy of the customer | | | | | | |
| Miss_due_date_cnt | Count of instance, when customer miss the due date of payment | | | | | | |

- Create a predictive logistic model on with the below mentioned steps. Also give business insights and recommendation. So business end user can act on the recommendation.
- Learning Steps to perform:
 - 1. Data cleaning (missing value and outlier treatment
 - 2. EDA with proper insights
 - 3. Split the prepared data into train and test
 - 4. Develop model on train dataset
 - 5. Calculate different model performance parameters on train
 - 6. Validate the model on test dataset



Marks Distribution

• Question 1:

1. Import dataset in the SAS environment and check top 10 record of import dataset (2 Mark)

```
PROC IMPORT
                                         datafile='/home/u48688022/ProjectWeek4/Life+Insurance+Dataset.csv'
                                         out=WORK.Insurance replace; delimiter=",";
                                         GETNAMES=yes;
                                         GUESSINGROWS=1000;
                                         RUN;
                                         PROC PRINT
                                         data= WORK.Insurance (obs=10);
                                         RUN;

    Table of Contents

  Obs CustID Mobile_num Churn Age Payment_Period Product Cust_Tenure EducationField Gender Overall_cust_satisfation_score Cust_Designation CC_Satisfation_score Cust_MaritalStatus Cust_Incomplete Cust_Designation CC_Satisfation_score Cust_Designation_score Cust_Des
      1 10002 9926913118
                                                             0 44 Monthly
                                                                                                              Traditional
                                                                                                                                                     22 Statistics
                                                                                                                                                                                          Male
                                                                                                                                                                                                                                                                 2 Manager
                                                                                                                                                                                                                                                                                                                                               4 Divorced
      2 10005 9955950910
                                                             0 46 Yearly
                                                                                                              Traditional
                                                                                                                                                      11 CA
                                                                                                                                                                                                                                                                 3 Executive
                                                                                                                                                                                                                                                                                                                                               4 Divorced
                                                                                                                                                                                                                                                                                                                                                                                                      18
             10009 9932307506
                                                             0 42 Monthly
                                                                                                              Traditional
                                                                                                                                                       4 Statistics
                                                                                                                                                                                          Male
                                                                                                                                                                                                                                                                 3 Senior Manager
                                                                                                                                                                                                                                                                                                                                               3 Single
                                                                                                                                                                                                                                                                                                                                                                                                      24
                                                       0 43 Yearly
                                                                                                                                                                                                                                                                                                                                               3 Divorced
      4 10010 9879153854
                                                                                                                                                     23 CA
                                                                                                                                                                                                                                                                                                                                                                                                      20
                                                                                                              Traditional
                                                                                                                                                                                          Male
                                                                                                                                                                                                                                                                 5 Manager
      5 10014 9885137899
                                                                                                              Traditional
                                                            0 50 Yearly
                                                                                                                                                     19 CA
                                                                                                                                                                                          Male
                                                                                                                                                                                                                                                                 5 Executive
                                                                                                                                                                                                                                                                                                                                               2 Married
                                                                                                                                                                                                                                                                                                                                                                                                      17
                                                                                                              Pure Term
Plan
      6 10019 9918893968
                                                             0 43 Yearly
                                                                                                                                                     19 Statistics
                                                                                                                                                                                          Female
                                                                                                                                                                                                                                                                 2 AVP
                                                                                                                                                                                                                                                                                                                                               2 Divorced
                                                                                                                                                                                                                                                                                                                                                                                                      30
                                                                                                                                                      15 Statistics
                                                                                                                                                                                                                                                                                                                                               2 Single
      7 10020 9880627494
                                                             0 39 Yearly
                                                                                                              Traditional
                                                                                                                                                                                          Male
                                                                                                                                                                                                                                                                 3 Executive
                                                                                                                                                                                                                                                                                                                                                                                                      18
      8 10021 9952270464
                                                                                                              Traditional
                                                                                                                                                     15 Other
                                                                                                                                                                                          Female
                                                                                                                                                                                                                                                                 4 Manager
                                                                                                                                                                                                                                                                                                                                               3 Married
                                                             0 32 Quarterly
                                                                                                                                                                                                                                                                                                                                                                                                      19
      9 10022 9893757229
                                                              1 35 Yearly
                                                                                                              Pure Term
Plan
                                                                                                                                                       4 Statistics
                                                                                                                                                                                          Male
                                                                                                                                                                                                                                                                 2 Manager
                                                                                                                                                                                                                                                                                                                                               5 Single
                                                                                                                                                                                                                                                                                                                                                                                                      18
     10 10026 9930780130
                                                              0 51 Yearly
                                                                                                              Traditional
                                                                                                                                                       4 Other
                                                                                                                                                                                          Female
                                                                                                                                                                                                                                                                                                                                               3 Married
```

• Question 2:

2. Check variable type of the import dataset (2 Mark)

```
proc contents data = work.insurance;
run;
```



| | | | The CONTEN | IS Proc | edur | | | | |
|------------------------|---------------------|--------|--------------------------------|----------|-------|------------|------------|------------------|---------|
| 1 | Data Set Name | WOR | RKINSURANCE | | | | Obse | ervations | 1924 |
| | Member Type | DAT | | | | | Varia | | 20 |
| | Engine | ν9 | | | | | Index | | 0 |
| | Created | 12/2 | 9/2020 18:30:53 | | | | | ervation Length | 184 |
| | Last Modrhed | 12/2 | 9/2020 18:30:53 | | | | | ted Observations | |
| | Protection | | | | | | Com | pressed | NO |
| | Data Set Type | | | | | | Sorte | ed | NO |
| | Label | | | | | | | | |
| | Data Representation | SOL | ARIS_X88_64, LINUX_X88_64, A | LPHA_ | TRU | 84, LINUX_ | A64 | | |
| | Encoding | utf-8 | Unicode (UTF-8) | | | | | | |
| | | | | | | | | | |
| | | | Engine/Host Depe | ndent li | ntom | etion | | | |
| Data Set Page Size | 131072 | | | | | | | | |
| Number of Data Set Pag | | | | | | | | | |
| First Data Page | 1 | | | | | | | | |
| Max Obs per l'age | 711 | | | | | | | | |
| Obe in First Data Page | 687 | | | | | | | | |
| Number of Data Set Rep | | | | | | | | | |
| hilename | | rork/S | 830001F542_odaws02-apse1.od | 8.888.CD | m/S/ | AS_work138 | 190001F542 | 2_odaws02-apse1. | OCH SHI |
| Release Created | 9.0401M8 | | | | | | | | |
| Host Created | Linux | | | | | | | | |
| Inode Number | 1074795288 | | | | | | | | |
| Access Permission | FW-ff | | | | | | | | |
| Owner Name | u48888022 | | | | | | | | |
| hile Size | 512KB | | | | | | | | |
| File Size (bytes) | 524288 | | | | | | | | |
| | | | Alphabetic List of Var | rables s | and A | ethibutes | | 1 | |
| | | 4 | Variable | | | | Informat | | |
| | | | Age | Num | | BEST12. | | | |
| | | | Agent Tenure | Num | | BEST12. | | | |
| | | 12 | CC Satisfation score | Num | 8 | BEST12. | BEST32. | | |
| | | 3 | Chum | Num | 8 | BEST12. | BEST32. | 1 | |
| | | 16 | Complaint | Num | 8 | BEST12. | BEST32. | 1 | |
| | | 1 | CustD | Num | 8 | BEST12. | BEST32. | | |
| | | 11 | Cust_Designation | Char | 14 | \$14. | \$14. | | |
| | | 14 | Cust_Income | Num | 8 | BEST12. | BEST32. | | |
| | | 13 | Cust_MaritalStatus | Char | 8 | \$8. | \$8. | | |
| | | 7 | Cust_Tenure | Num | 8 | BEST12. | BEST32. | 1 | |
| | | 18 | Due_date_day_cnt | Num | 8 | BEST12. | BEST32. | | |
| | | 8 | EducationField | Char | 17 | \$17. | \$17. | | |
| | | 19 | Existing policy count | Num | 8 | BEST12. | BEST32. | | |
| | | 2 | Gender | Char | 6 | \$8. | \$8. | | |
| | | 20 | Miss due date ont | Num | 8 | BEST12. | BEST32. | | |
| | | 2 | Mobile_num | Num | 8 | BEST12. | BEST32. | | |
| | | 10 | Overall_cust_satisfation_acore | Num | 8 | BEST12. | BEST32. | | |
| | | | | | | \$9. | \$9. | | |

• Question 3:

3. Checks if any variables have missing values, if yes then do treatment? (3 Mark)

```
proc means data=work.insurance NMISS N;
run;
%put ----->>>>>NO MISSING VARIABLE;
```



The MEANS Procedure

| Variable | N Miss | N |
|--------------------------------|--------|------|
| CustID | 0 | 1924 |
| Mobile_num | 0 | 1924 |
| Churn | 0 | 1924 |
| Age | 0 | 1924 |
| Cust_Tenure | 0 | 1924 |
| Overall_cust_satisfation_score | 0 | 1924 |
| CC_Satisfation_score | 0 | 1924 |
| Cust_Income | 0 | 1924 |
| Agent_Tenure | 0 | 1924 |
| Complaint | 0 | 1924 |
| YTD_contact_cnt | 0 | 1924 |
| Due_date_day_cnt | 0 | 1924 |
| Existing_policy_count | 0 | 1924 |
| Miss_due_date_cnt | 0 | 1924 |

• Question 4:

4. Check summary and percentile distribution of all numerical variables for churners and non-churners? (5 Marks)

```
PROC SUMMARY
PRINT n nmiss min p1 p5 p10 p25 p50 p75 p90 p95 p99 max
data=WORK.insurance;
class churn;
VAR age Cust_Tenure Overall_cust_satisfation_score Cust_Income Agent_Tenure Complaint
    YTD_contact_cnt Due_date_day_cnt Existing_policy_count Miss_due_date_cnt;
RUN;
```

| Churn | N Obs | Variable | N | N Miss | Minimum | 1st Pctl | 5th Pctl | 10th Pctl | 25th Pctl | 50th Pctl | 75th Pctl | 90th Pctl | 95th Pctl | 99th Pctl | Maximum |
|-------|-------|--------------------------------|------|--------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 0 | 1607 | Age | 1607 | 0 | 30.0000000 | 30.0000000 | 31.0000000 | 33.0000000 | 37.0000000 | 45.0000000 | 53.0000000 | 58.0000000 | 59.0000000 | 60.0000000 | 60.0000000 |
| | | Cust_Tenure | 1607 | 0 | 3.0000000 | 3.0000000 | 4.0000000 | 5.0000000 | 8.0000000 | 14.0000000 | 20.0000000 | 23.0000000 | 24.0000000 | 25.0000000 | 25.0000000 |
| | | Overall_cust_satisfation_score | 1607 | 0 | 2.0000000 | 2.0000000 | 2.0000000 | 2.0000000 | 3.0000000 | 4.0000000 | 5.0000000 | 5.0000000 | 5.0000000 | 5.0000000 | 5.0000000 |
| | | Cust_Income | 1607 | 0 | 16051.00 | 17052.00 | 17345.00 | 17789.00 | 18760.00 | 20639.00 | 24268.00 | 31124.00 | 33665.00 | 35436.00 | 96000.0 |
| | | Agent_Tenure | 1607 | 0 | 0 | 0 | 0 | 1.0000000 | 1.0000000 | 2.0000000 | 4.0000000 | 7.0000000 | 8.0000000 | 10.0000000 | 10.000000 |
| | | Complaint | 1607 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0000000 | 1.0000000 | 1.0000000 | 1.000000 |
| | | YTD_contact_cnt | 1607 | 0 | 16.0000000 | 16.0000000 | 16.0000000 | 17.0000000 | 18.0000000 | 20.0000000 | 23.0000000 | 26.0000000 | 28.0000000 | | 31.000000 |
| | | Due_date_day_cnt | 1607 | 0 | 0 | 1.0000000 | 3.0000000 | 4.0000000 | 7.0000000 | 10.0000000 | 16.0000000 | 24.0000000 | 28.0000000 | 34.0000000 | 38.000000 |
| | | Existing_policy_count | 1607 | 0 | 1.0000000 | 1.0000000 | 1.0000000 | 2.0000000 | 4.0000000 | 8.0000000 | 12.0000000 | 14.0000000 | 15.0000000 | 15.0000000 | 15.000000 |
| | | Miss_due_date_cnt | 1607 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0000000 | 2.0000000 | 2.0000000 | 2.0000000 | 2.0000000 | 2.000000 |
| 1 | 317 | Age | 317 | 0 | 21.0000000 | 21.0000000 | 21.0000000 | 23.0000000 | 25.0000000 | 31.0000000 | 36.0000000 | 38.0000000 | 39.0000000 | 40.0000000 | 40.000000 |
| | | Cust_Tenure | 317 | 0 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 3.0000000 | 5.0000000 | 8.0000000 | 9.0000000 | 10.0000000 | 10.0000000 | 10.000000 |
| | | Overall_cust_satisfation_score | 317 | 0 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 2.0000000 | 3.0000000 | 4.0000000 | 4.0000000 | 4.0000000 | 4.0000000 | 4.000000 |
| | | Cust_Income | 317 | 0 | 16009.00 | 16261.00 | 17044.00 | 17275.00 | 17693.00 | 18691.00 | 21381.00 | 25325.00 | 26609.00 | 34545.00 | 35859.0 |
| | | Agent_Tenure | 317 | 0 | 0 | 0 | 1.0000000 | 1.0000000 | 1.0000000 | 2.0000000 | 5.0000000 | 8.0000000 | 9.0000000 | 10.0000000 | 10.000000 |
| | | Complaint | 317 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.000000 |
| | | YTD_contact_cnt | 317 | 0 | 16.0000000 | 16.0000000 | 16.0000000 | 17.0000000 | 18.0000000 | 20.0000000 | 23.0000000 | 27.0000000 | 28.0000000 | 30.0000000 | 30.000000 |
| | | Due_date_day_cnt | 317 | 0 | 0 | 1.0000000 | 1.0000000 | 2.0000000 | 4.0000000 | 8.0000000 | 11.0000000 | 18.0000000 | 24.0000000 | | 41.000000 |
| | | Existing_policy_count | 317 | 0 | 1.0000000 | 1.0000000 | 1.0000000 | 2.0000000 | 4.0000000 | 8.0000000 | 12.0000000 | 14.0000000 | 15.0000000 | 15.0000000 | 15.000000 |
| | | Miss_due_date_cnt | 317 | 0 | 2.0000000 | 2.0000000 | 2.0000000 | 2.0000000 | 4.0000000 | 6.0000000 | 8.0000000 | 10.0000000 | 10.0000000 | 10.0000000 | 10.000000 |



• Question 5:

5. Check for outlier, if yes then do treatment? (3 Mark)

```
proc univariate data=WORK.Insurance plot;
var Age Cust Tenure Overall Cust Satisfation Score CC Satisfation Score Cust Income Agent Tenure
Complaint YTD contact cnt Due date day cnt Existing Policy Count Miss due date cnt;
run;
/*Outliers */
data WORK.Insurance;
set Work. Insurance;
if cust income>35331 then cust income=35331;
if YTD contact cnt>30 then YTD contact cnt=30;
if due_date_day_cnt>34 then due_date_day_cnt=34;
if miss due date cnt>10 then miss due date cnt=10;
run;
/*Checking distribution after flooring and caping*/
proc univariate data=WORK.Insurance plot;
var Age Cust_Tenure Overall_Cust_Satisfation_Score CC_Satisfation_Score Cust_Income Agent_Tenure
Complaint YTD contact cnt Due date day cnt Existing Policy Count Miss due date cnt;
run;
                                          The UNIVARIATE Procedure
```

| | Mo | ments | |
|-----------------|------------|------------------|------------|
| N | 1924 | Sum Weights | 1924 |
| Mean | 42.6242204 | Sum Observations | 82009 |
| Std Deviation | 10.0113121 | Variance | 100.226371 |
| Skewness | 0.00576962 | Kurtosis | -0.9543936 |
| Uncorrected SS | 3688305 | Corrected SS | 192735.311 |
| Coeff Variation | 23.4873789 | Std Error Mean | 0.22823827 |

| | Basic | Statistical Measures | |
|--------|----------|----------------------|-----------|
| Loc | ation | Variability | 1 |
| Mean | 42.62422 | Std Deviation | 10.01131 |
| Median | 42.00000 | Variance | 100.22637 |
| Mode | 38.00000 | Range | 39.00000 |
| | | Interquartile Range | 17,00000 |

| Tes | ts fo | or Location | : Mu0=0 | |
|-------------|-------|-------------|----------|--------|
| Test | 3 | Statistic | p Val | ue |
| Student's t | t | 186.7532 | Pr > t | <.0001 |
| Sign | M | 962 | Pr >= M | <.0001 |
| Signed Rank | S | 925925 | Pr >= S | <.0001 |

| Quantiles (De | efinition 5) |
|---------------|--------------|
| Level | Quantile |
| 100% Max | 60 |
| 99% | 60 |
| 95% | 59 |
| 90% | 57 |
| 75% Q3 | 51 |
| 50% Median | 42 |



• Question 6:

6. Check the proportion of all categorical variables and extract percentage contribution of each class in respective variables? (5 Marks)

PROC FREQ

data=WORK.insurance;
tables age Cust_Tenure Overall_cust_satisfation_score Cust_Income Agent_Tenure
Complaint YTD_contact_cnt Due_date_day_cnt Existing_policy_count Miss_due_date_cnt
/ NOCUM NOFREQ;
RUN;

The FREQ Procedure

| Age | Frequency | Percent |
|-----|-----------|---------|
| 21 | 17 | 0.88 |
| 22 | 12 | 0.62 |
| 23 | 15 | 0.78 |
| 24 | 16 | 0.83 |
| 25 | 20 | 1.04 |
| 26 | 7 | 0.36 |
| 27 | 21 | 1.09 |
| 28 | 14 | 0.73 |
| 29 | 19 | 0.99 |
| 30 | 68 | 3.53 |
| 31 | 72 | 3.74 |
| 32 | 68 | 3.53 |
| 33 | 72 | 3.74 |
| 34 | 66 | 3.43 |
| 35 | 48 | 2.49 |
| 00 | 70 | 0.04 |

• Question 7:

7. Customer service management want you to create a macro where they will just put mobile number and they will get all the important information like Age, Education, Gender, Income and CustID (6 Marks)



```
%macro Finder(num = );
   proc print data =work.insurance noobs;
   where Mobile_num = #
   var CustID Age EducationField Gender Cust_Income;
   run;
%mend;
%Finder(num= 9926913118);
```

| CustID | Age | EducationField | Gender | Cust_Income |
|--------|-----|----------------|--------|-------------|
| 10002 | 44 | Statistics | Male | 20130 |

• Question 8:

Check correlation of all numerical variables before building model, because we cannot add correlated variables in model? (4 Marks)

proc corr data=WORK.insurance ; var churn age Cust_Tenure Overall_cust_satisfation_score Cust_Income Agent_Tenure Complaint YTD_contact_cnt Due_date_day_cnt Existing_policy_count Miss_due_date_cnt; run;

The CORR Procedure

| The state of the s | Simple Statutica | | | | | | | | | | |
|--|------------------|----------|----------|-----------|----------|----------|--|--|--|--|--|
| Viernabile | N | Mean | Std Dev | Sum | Minimum | Maximum | | | | | |
| Churn | 1924 | 0.16476 | 0.37108 | 317.00000 | - 0 | 1,000000 | | | | | |
| Apre | 1924 | 42.82422 | 10.01151 | 82000 | 21.00000 | 80.00000 | | | | | |
| Cust fenure | 1924 | 12.64865 | 7:01534 | 24338 | 1.00000 | 25.00000 | | | | | |
| Overall cost satisfation acone | 1924 | 3.39553 | 1.18053 | 6533 | 1.00000 | 5.00000 | | | | | |
| Cust Income | 1924 | 21980 | 4718 | 42251885 | 16009 | 35331 | | | | | |
| Agent fenure | 1924 | 3.16320 | 2.50125 | 6088 | 11 | 10.00000 | | | | | |
| Complem | 1924 | 0.28896 | 0.45341 | 558,00000 | | 1.00000 | | | | | |
| YID contect cnt | 1924 | 20.864/6 | 3,62567 | 39759 | 16.00000 | 30.50000 | | | | | |
| Due date day crit | 1924 | 11.62942 | 7.50222 | 22375 | | 34.00000 | | | | | |
| booting policy count | 1924 | E.06304 | 4.32749 | 15671 | 1.00000 | 15.00000 | | | | | |
| Miss due date crit | 1924 | 1.80042 | 2.25118 | 3464 | 0 | 10.00000 | | | | | |

| | Pearson Correlation Coefficients, N = 1924 Prob > [r] under NO: Rho=0 | | | | | | | | | | | | | | |
|--------------------------------|--|---------------------|---------------------|--------------------------------|---------------------|--------------------|---------------------|--------------------|--------------------|-----------------------|--------------------|--|--|--|--|
| | Churn | Age | Cust lenure | Overall cost satisfation score | Cust Income | Agent Jenure | Complaint | YID contact ont | Due date day ont | Enisting policy count | Mass due date or | | | | |
| Churt | 1,00000 | -0.53827 -0.0001 | -0.46878 < .0001 | -0.31388 ×.0001 | +0.16753 < 0001 | 0.04049 0.0758 | 0.24540 < 0001 | 9.00242 0.9154 | -0.18817 <.0001 | -0.01927 0.3963 | 0.8200 <.000 | | | | |
| Ади | -0.53827 < 0001 | 1/00000 | 0.28821 +.0001 | 0.18880 <.0001 | 0.08839 0.0027 | -0.03420 0.1337 | -0.13405 < 8001 | -0.00108 0.9622 | 0.00038 <.0001 | 9.01701 0.4558 | -0.4422 <.000 | | | | |
| Cust fenure | -0.46878 +.0001 | 0.26821 <.0001 | 1.00000 | 0.17760 <.0001 | 0.07437 | -0.01564 0.4930 | +0.14138 +0.0001 | 0.02939 0.1976 | 0.06459 | 0.01271 0.5775 | -0.37715 +.000 | | | | |
| Overall cost astratetion acore | -0.31386 <.0001 | 0.18880 ×.0001 | 0.17760 <.0001 | 1.00000 | 0.07033 0.0020 | -0.03825 0.0935 | -0.06890 0.0025 | -0.01590 0.4857 | 0.03869 0.0897 | 0.00843 0.7779 | -0.26321 <.000 | | | | |
| Cust Income | -0.16753 <0001 | 0.06839 | 0.07437 0.0011 | 0.0/133 0.0020 | 1,00000 | 0,18947 < 0001 | 0.02262 0.3214 | -0.00123 0.9570 | 9.76874 <.0001 | 0.02490 0.2750 | -0.13846 < 0001 | | | | |
| Agent fenure | 0.04049 0.0758 | -0.03420 0.1337 | -0.01584 0.4930 | -0.03825 0.0935 | .0.18947 <.0001 | 1/00000 | 0.00582 0.8054 | 0.02611 0.2524 | 9,25555 <,0001 | -5.00868 0.7043 | 0.03398 0.1385 | | | | |
| Compliant | 0.24540 < 0001 | -5.13405 <0001 | -0.14138 +.0001 | -0.06890 0.0025 | 0.02262 0.3214 | 0.00562 0.8054 | 7,00000 | -0.01379 0.5454 | 0.01835 0.4211 | -0,00735 0,7474 | 0.20225 <.000 | | | | |
| YIU contect ont | 0.00242 0.9154 | -0.00108 0.9822 | 0.02939 0.1976 | -0.01590 0.4857 | -0.00123 0.05/0 | 0.02611 0.2524 | -0,01379 0.5454 | 1,00000 | 0.00958 0.6752 | 0.05094 0.0256 | -0.01400 0.5394 | | | | |
| Due date day crit | -0.16817 <0001 | 0.09038 <0001 | 0.08459 0.0002 | 0.03869 0.0897 | 0.76874 < 0001 | 0.25555 ×.0001 | 0.01835 0.4211 | 0.00956 0.6752 | 1.00000 | 9.03054 0.1878 | -0.1351: ×.000 | | | | |
| Existing policy count | -0.01927 0.3983 | 0.01701 0.4558 | 0.012/1 0.57/5 | 0.00843 0.7779 | 0.0049D 0.2750 | -0.00866 0.7943 | -0.00735 0.7474 | 0.05094 0.0255 | 0.03004 0.1878 | 1.00000 | 0.0059 0.7956 | | | | |
| Misse due date crit | 0.82005 <.0001 | -0.44226 0001 | -0.37719 +.0001 | -0.26320 -4.0001 | +0.13646 +:.0001 | 0.03396 0.1365 | 0.20225 4.0001 | -0.01400 0.5394 | -0.13515 +:0001 | 1960.0 867.0 | 1.90000 | | | | |

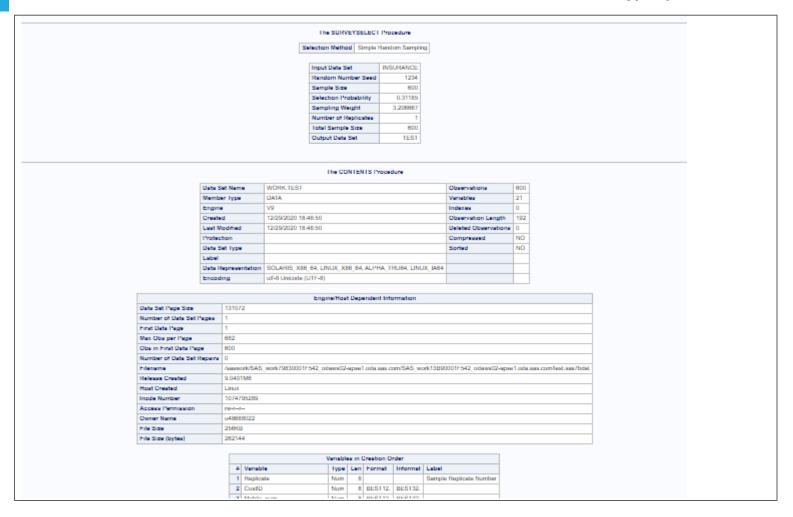


• Question 9:

9. Create train and test (70:30) dataset from the existing data set. Put seed 1234? (4 Marks)

```
proc freq data=WORK.insurance;
table churn/nocum;
proc surveyselect data=WORK.insurance method=srs rep=1
sampsize=600 seed=1234 out=test;
proc contents data=test varnum;
run;
proc freq data=test;
table churn/nocum;
run;
proc sql;
create table train as select t1.* from WORK.insurance as t1
where Mobile num not in (select Mobile num from test);
quit;
proc freq data=train;
table churn/nocum;
run;
```



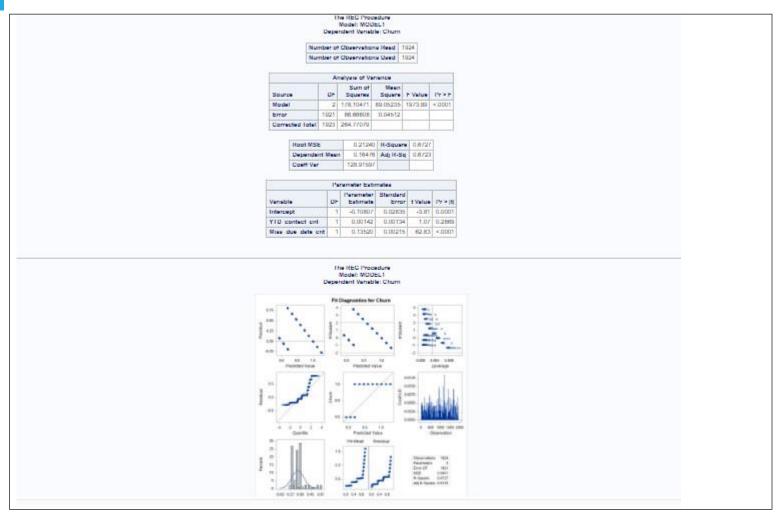


• Ouestion 10:

10. Develop linear regression model first on the target variable to extract VIF information to check multicollinearity?
(6 Marks)

```
PROC REG data = Work.Insurance;
model churn = YTD_contact_cnt Miss_due_date_cnt;
run;
```





• Question 11:

11. Create clean logistic model on the target variables? (4 Marks)

```
proc logistic data=train;
model churn = age Cust_Tenure Overall_cust_satisfation_score
    Cust_Income Agent_Tenure Complaint YTD_contact_cnt Due_date_day_cnt Existing_policy_count Miss_due_date_cnt;
run;
proc logistic data=train outmodel=outmod;
model churn = age Cust_Tenure Overall_cust_satisfation_score
    Cust_Income Agent_Tenure Complaint YTD_contact_cnt Due_date_day_cnt Existing_policy_count Miss_due_date_cnt;/selection=stepwise;
output out=outreg p=predicted;
run;
```



The LOGISTIC Procedure Model Information Data Set WORK.TRAIN Response Variable Churn Number of Response Levels 2 Model binary logit Optimization Technique Fisher's scoring Number of Observations Read | 1324 Number of Observations Used | 1324 Response Profile Value Churn Frequency 1 0 2 1 Probability modeled is Churn='0'. Model Convergence Status Quasi-complete separation of data points detected. Model Fit Statistics Criterion Intercept Only Intercept and Covariates AIC 1218.401 87.148 1223.590 144.221 SC -2 Log L 1216.401 65.148 Testing Global Null Hypothesis: BETA=0 Test Chi-Square DF Pr > ChiSq Likelihood Ratio 1151.2533 10 <.0001

• Question 12:

12. Create a macro and take a KS approach to take a cut off on the calculated scores? (4 Marks)

• Question 13:

13. Predict test dataset using created model? (2 Marks)



```
1 *Question 1: Import dataset in the SAS environment and check top 10 record of import dataset (2 Mark);
 3 PROC IMPORT
 4 datafile='/home/u48688022/ProjectWeek4/Life+Insurance+Dataset.csv'
   out=WORK.Insurance replace; delimiter=",";
   GETNAMES=ves;
   GUESSINGROWS=1000;
 8
   RUN;
10
   PROC PRINT
   data= WORK.Insurance (obs=10);
12
   RUN;
13
14 *Question 2: Check variable type of the import dataset (2 Mark);
15
16
   proc contents data = work.insurance;
17
   run;
18
19
   *Question 3: Checks if any variables have missing values, if yes then do treatment? (3 Mark);
21
   proc means data=work.insurance NMISS N;
22
   run;
23
   %put
         ---->>>>>NO MISSING VARIABLE;
24
25
26
27
   *Question 4: Check summary and percentile distribution of all numerical variables for churners and non-churners? (5 Ma
28
29
30
   PROC SUMMARY
   PRINT n nmiss min p1 p5 p10 p25 p50 p75 p90 p95 p99 max
32
   data=WORK.insurance;
   class churn;
34
   VAR age Cust_Tenure Overall_cust_satisfation_score Cust_Income Agent_Tenure Complaint
35
      YTD_contact_cnt Due_date_day_cnt Existing_policy_count Miss_due_date_cnt;
36
   RUN;
37
38
39
40
41 *Question 5: Check for outlier, if yes then do treatment? (3 Mark);
42
43
44
   proc univariate data=WORK.Insurance plot;
45
   var Age Cust Tenure Overall Cust Satisfation Score CC Satisfation Score Cust Income Agent Tenure
46
   Complaint YTD_contact_cnt Due_date_day_cnt Existing_Policy_Count Miss_due_date_cnt;
48
   /*Outliers */
49
   data WORK.Insurance;
50
   set Work.Insurance;
51
   if cust_income>35331 then cust_income=35331;
   if YTD_contact_cnt>30 then YTD_contact_cnt=30;
   if due_date_day_cnt>34 then due_date_day_cnt=34;
54
   if miss_due_date_cnt>10 then miss_due_date_cnt=10;
55
   run;
56
   /*Checking distribution after flooring and caping*/
   proc univariate data=WORK.Insurance plot;
58
   var Age Cust_Tenure Overall_Cust_Satisfation_Score CC_Satisfation_Score Cust_Income Agent_Tenure
59
   Complaint YTD contact cnt Due date day cnt Existing Policy Count Miss due date cnt;
60
61
62
63
    *Question 6: Check the proportion of all categorical variables and extract percentage
65
   contribution of each class in respective variables? (5 Marks);
67
   PROC FREQ
68
   data=WORK.insurance;
   tables age Cust_Tenure Overall_cust_satisfation_score Cust_Income Agent_Tenure
70
   Complaint YTD_contact_cnt Due_date_day_cnt Existing_policy_count Miss_due_date_cnt
71
   / NOCUM NOFREQ ;
72
73
74
    *Question 7: Customer service management want you to create a macro where they will
75
   just put mobile number and they will get all the important information like Age, Education, Gender, Income and CustID
76
```

```
77 %macro Finder(num = );
 78
       proc print data =work.insurance noobs;
       where Mobile num = #
 79
       var CustID Age EducationField Gender Cust_Income ;
 80
 81
       run:
    %mend;
 82
 83
    %Finder(num= 9926913118);
 84
 85
    *Question 8: Check correlation of all numerical variables before building model, because we cannot add correlated vari
 86
 87
    proc corr data=WORK.insurance ;
    var churn age Cust_Tenure Overall_cust_satisfation_score
 88
 89
        Cust_Income Agent_Tenure Complaint YTD_contact_cnt Due_date_day_cnt Existing_policy_count Miss_due_date_cnt;
 90
 91
 92
    *Question 9: Create train and test (70:30) dataset from the existing data set. Put seed 1234? (4 Marks);
93
 94
    proc freq data=WORK.insurance;
 95
    table churn/nocum;
 96
 97
    proc surveyselect data=WORK.insurance method=srs rep=1
98
    sampsize=600 seed=1234 out=test;
100
    proc contents data=test varnum;
101
    run;
102
    proc freq data=test;
103
    table churn/nocum;
104 run;
105 proc sql;
106
    create table train as select t1.* from WORK.insurance as t1
107
    where Mobile_num not in (select Mobile_num from test);
108
    quit;
109 proc freq data=train;
110 table churn/nocum;
111
112
113
    *Question 10: Develop linear regression model first on the target variable to extract VIF information to check multico
114
115
    PROC REG data = Work.Insurance:
116
    model churn = YTD_contact_cnt Miss_due_date_cnt;
117
118
119
    *Question 11:Create clean logistic model on the target variables? (4 Marks);
120
121
    proc logistic data=train;
122
    model churn = age Cust_Tenure Overall_cust_satisfation_score
123
        Cust Income Agent Tenure Complaint YTD contact cnt Due date day cnt Existing policy count Miss due date cnt;
124
125
    proc logistic data=train outmodel=outmod;
126
    model churn = age Cust_Tenure Overall_cust_satisfation_score
127
        Cust Income Agent Tenure Complaint YTD contact cnt Due date day cnt Existing policy count Miss due date cnt;/selec
    output out=outreg p=predicted;
129
    run;
130
131
     *Question 12: Create a macro and take a KS approach to take a cut off on the calculated scores? (4 Marks);
132
133
     *Question 13:Predict test dataset using created model? (2 Marks);
134
135
```

| Obs | CustID | Mobile_num | Churn | Age | Payment_Period | Product | Cust_Tenure | EducationField | Gender |
|-----|--------|------------|-------|-----|----------------|----------------|-------------|----------------|--------|
| 1 | 10002 | 9926913118 | 0 | 44 | Monthly | Traditional | 22 | Statistics | Male |
| 2 | 10005 | 9955950910 | 0 | 46 | Yearly | Traditional | 11 | CA | Male |
| 3 | 10009 | 9932307506 | 0 | 42 | Monthly | Traditional | 4 | Statistics | Male |
| 4 | 10010 | 9879153854 | 0 | 43 | Yearly | Traditional | 23 | CA | Male |
| 5 | 10014 | 9885137899 | 0 | 50 | Yearly | Traditional | 19 | CA | Male |
| 6 | 10019 | 9918893968 | 0 | 43 | Yearly | Pure Term Plan | 19 | Statistics | Female |
| 7 | 10020 | 9880627494 | 0 | 39 | Yearly | Traditional | 15 | Statistics | Male |
| 8 | 10021 | 9952270464 | 0 | 32 | Quarterly | Traditional | 15 | Other | Female |
| 9 | 10022 | 9893757229 | 1 | 35 | Yearly | Pure Term Plan | 4 | Statistics | Male |
| 10 | 10026 | 9930780130 | 0 | 51 | Yearly | Traditional | 4 | Other | Female |

| Obs | Overall_cust_satisfation_score | Cust_Designation | CC_Satisfation_score | Cust_MaritalStatus | Cust_Income |
|-----|--------------------------------|------------------|----------------------|--------------------|-------------|
| 1 | 2 | Manager | 4 | Divorced | 20130 |
| 2 | 3 | Executive | 4 | Divorced | 18468 |
| 3 | 3 | Senior Manager | 3 | Single | 24526 |
| 4 | 5 | Manager | 3 | Divorced | 20237 |
| 5 | 5 | Executive | 2 | Married | 17661 |
| 6 | 2 | AVP | 2 | Divorced | 30427 |
| 7 | 3 | Executive | 2 | Single | 18944 |
| 8 | 4 | Manager | 3 | Married | 19011 |
| 9 | 2 | Manager | 5 | Single | 18407 |
| 10 | 4 | VP | 3 | Married | 34094 |

| Obs | Agent_Tenure | Complaint | YTD_contact_cnt | Due_date_day_cnt | Existing_policy_count | Miss_due_date_cnt |
|-----|--------------|-----------|-----------------|------------------|-----------------------|-------------------|
| 1 | 1 | 0 | 28 | 10 | 15 | 0 |
| 2 | 9 | 0 | 17 | 6 | 6 | 0 |
| 3 | 0 | 0 | 26 | 10 | 10 | 2 |
| 4 | 6 | 0 | 18 | 17 | 15 | 0 |
| 5 | 0 | 0 | 16 | 3 | 11 | 1 |
| 6 | 2 | 0 | 21 | 31 | 12 | 1 |
| 7 | 5 | 1 | 16 | 6 | 6 | 2 |
| 8 | 0 | 0 | 23 | 5 | 2 | 1 |
| 9 | 7 | 0 | 28 | 10 | 15 | 8 |
| 10 | 4 | 0 | 16 | 26 | 10 | 1 |

The CONTENTS Procedure

| Data Set Name | WORK.INSURANCE | Observations | 1924 |
|---------------------|---|----------------------|------|
| Member Type | DATA | Variables | 20 |
| Engine | V9 | Indexes | 0 |
| Created | 12/20/2020 23:53:10 | Observation Length | 184 |
| Last Modified | 12/20/2020 23:53:10 | Deleted Observations | 0 |
| Protection | | Compressed | NO |
| Data Set Type | | Sorted | NO |
| Label | | | |
| Data Representation | SOLARIS_X86_64, LINUX_X86_64, ALPHA_TRU64, LINUX_IA64 | | |
| Encoding | utf-8 Unicode (UTF-8) | | |

| Engine/Host Dependent Information | | | | | | | |
|-----------------------------------|---|--|--|--|--|--|--|
| Data Set Page Size | 131072 | | | | | | |
| Number of Data Set Pages | 3 | | | | | | |
| First Data Page | 1 | | | | | | |
| Max Obs per Page | 711 | | | | | | |
| Obs in First Data Page | 687 | | | | | | |
| Number of Data Set Repairs | 0 | | | | | | |
| Filename | /saswork/SAS_work79830001F542_odaws02-apse1.oda.sas.com/SAS_work13B90001F542_odaws02-apse1.oda.sas.com/insurance.sas7bdat | | | | | | |
| Release Created | 9.0401M6 | | | | | | |
| Host Created | Linux | | | | | | |
| Inode Number | 1074800325 | | | | | | |
| Access Permission | rw-rr | | | | | | |
| Owner Name | u48688022 | | | | | | |
| File Size | 512KB | | | | | | |
| File Size (bytes) | 524288 | | | | | | |

| | Alphabetic List of Variables and Attributes | | | | | | | | | | |
|----|---|------|-----|---------|----------|--|--|--|--|--|--|
| # | Variable | Туре | Len | Format | Informat | | | | | | |
| 4 | Age | Num | 8 | BEST12. | BEST32. | | | | | | |
| 15 | Agent_Tenure | Num | 8 | BEST12. | BEST32. | | | | | | |
| 12 | CC_Satisfation_score | Num | 8 | BEST12. | BEST32. | | | | | | |
| 3 | Churn | Num | 8 | BEST12. | BEST32. | | | | | | |
| 16 | Complaint | Num | 8 | BEST12. | BEST32. | | | | | | |
| 1 | CustID | Num | 8 | BEST12. | BEST32. | | | | | | |
| 11 | Cust_Designation | Char | 14 | \$14. | \$14. | | | | | | |

The CONTENTS Procedure

| | Alphabetic List of Va | riables | and At | tributes | |
|----|--------------------------------|---------|--------|----------|----------|
| # | Variable | Туре | Len | Format | Informat |
| 14 | Cust_Income | Num | 8 | BEST12. | BEST32. |
| 13 | Cust_MaritalStatus | Char | 8 | \$8. | \$8. |
| 7 | Cust_Tenure | Num | 8 | BEST12. | BEST32. |
| 18 | Due_date_day_cnt | Num | 8 | BEST12. | BEST32. |
| 8 | EducationField | Char | 17 | \$17. | \$17. |
| 19 | Existing_policy_count | Num | 8 | BEST12. | BEST32. |
| 9 | Gender | Char | 6 | \$6. | \$6. |
| 20 | Miss_due_date_cnt | Num | 8 | BEST12. | BEST32. |
| 2 | Mobile_num | Num | 8 | BEST12. | BEST32. |
| 10 | Overall_cust_satisfation_score | Num | 8 | BEST12. | BEST32. |
| 5 | Payment_Period | Char | 9 | \$9. | \$9. |
| 6 | Product | Char | 14 | \$14. | \$14. |
| 17 | YTD_contact_cnt | Num | 8 | BEST12. | BEST32. |

The MEANS Procedure

| Variable | N Miss | N |
|--------------------------------|-----------|------|
| CustID | 0 | 1924 |
| Mobile_num | 0 | 1924 |
| Churn | 0 | 1924 |
| Age | 0 | 1924 |
| Cust_Tenure | 0 | 1924 |
| Overall_cust_satisfation_score | 0 | 1924 |
| CC_Satisfation_score | 0 | 1924 |
| Cust_Income | 0 | 1924 |
| Agent_Tenure | 0 | 1924 |
| Complaint | 0 | 1924 |
| YTD_contact_cnt | 0 | 1924 |
| Due_date_day_cnt | 0 | 1924 |
| Existing_policy_count | 0 | 1924 |
| Miss_due_date_cnt | 0 | 1924 |

The SUMMARY Procedure

| Churn | N Obs | Variable | N | N Miss | Minimum | 1st Pctl | 5th Pctl | 10th Pctl | 25th Pctl | 50th Pctl |
|-------|----------|--------------------------------|------|-----------|------------|------------|------------|------------|------------|------------|
| 0 | 1607 | Age | 1607 | 0 | 30.0000000 | 30.0000000 | 31.0000000 | 33.0000000 | 37.0000000 | 45.0000000 |
| | 1007 | Cust Tenure | 1607 | 0 | 3.0000000 | 3.0000000 | 4.0000000 | 5.0000000 | 8.0000000 | 14.0000000 |
| | | Overall_cust_satisfation_score | 1607 | 0 | 2.0000000 | 2.0000000 | 2.0000000 | 2.0000000 | 3.0000000 | 4.0000000 |
| | | Cust Income | 1607 | 0 | 16051.00 | 17052.00 | 17345.00 | 17789.00 | 18760.00 | 20639.00 |
| | | Agent Tenure | 1607 | 0 | 0 | 0 | 0 | 1.0000000 | 1.0000000 | 2.0000000 |
| | | Complaint | 1607 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | YTD_contact_cnt | 1607 | Ö | 16.0000000 | 16.0000000 | 16.0000000 | 17.0000000 | 18.0000000 | 20.0000000 |
| | | Due_date_day_cnt | 1607 | 0 | 0 | 1.0000000 | 3.0000000 | 4.0000000 | 7.0000000 | 10.0000000 |
| | | Existing_policy_count | 1607 | 0 | 1.0000000 | 1.0000000 | 1.0000000 | 2.0000000 | 4.0000000 | 8.0000000 |
| | | Miss_due_date_cnt | 1607 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0000000 |
| 1 | 317 | Age | 317 | 0 | 21.0000000 | 21.0000000 | 21.0000000 | 23.0000000 | 25.0000000 | 31.0000000 |
| | | Cust_Tenure | 317 | 0 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 3.0000000 | 5.0000000 |
| | | Overall_cust_satisfation_score | 317 | 0 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 2.0000000 | 3.0000000 |
| | | Cust_Income | 317 | 0 | 16009.00 | 16261.00 | 17044.00 | 17275.00 | 17693.00 | 18691.00 |
| | | Agent_Tenure | 317 | 0 | 0 | 0 | 1.0000000 | 1.0000000 | 1.0000000 | 2.0000000 |
| | | Complaint | 317 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0000000 |
| | | YTD_contact_cnt | 317 | 0 | 16.0000000 | 16.0000000 | 16.0000000 | 17.0000000 | 18.0000000 | 20.0000000 |
| | | Due_date_day_cnt | 317 | 0 | 0 | 1.0000000 | 1.0000000 | 2.0000000 | 4.0000000 | 8.0000000 |
| | | Existing_policy_count | 317 | 0 | 1.0000000 | 1.0000000 | 1.0000000 | 2.0000000 | 4.0000000 | 8.0000000 |
| | | Miss_due_date_cnt | 317 | 0 | 2.0000000 | 2.0000000 | 2.0000000 | 2.0000000 | 4.0000000 | 6.0000000 |

| Churn | N Obs | Variable | 75th Pctl | 90th Pctl | 95th Pctl | 99th Pctl | Maximum |
|-------|----------|--------------------------------|------------|------------|------------|------------|------------|
| 0 | 1607 | Age | 53.0000000 | 58.0000000 | 59.0000000 | 60.0000000 | 60.0000000 |
| | | Cust_Tenure | 20.0000000 | 23.0000000 | 24.0000000 | 25.0000000 | 25.0000000 |
| | | Overall_cust_satisfation_score | 5.0000000 | 5.0000000 | 5.0000000 | 5.0000000 | 5.0000000 |
| | | Cust_Income | 24268.00 | 31124.00 | 33665.00 | 35436.00 | 96000.00 |
| | | Agent_Tenure | 4.0000000 | 7.0000000 | 8.0000000 | 10.0000000 | 10.0000000 |
| | | Complaint | 0 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 |
| | | YTD_contact_cnt | 23.0000000 | 26.0000000 | 28.0000000 | 30.0000000 | 31.0000000 |
| | | Due_date_day_cnt | 16.0000000 | 24.0000000 | 28.0000000 | 34.0000000 | 38.0000000 |
| | | Existing_policy_count | 12.0000000 | 14.0000000 | 15.0000000 | 15.0000000 | 15.0000000 |
| | | Miss_due_date_cnt | 2.0000000 | 2.0000000 | 2.0000000 | 2.0000000 | 2.0000000 |
| 1 | 317 | Age | 36.0000000 | 38.0000000 | 39.0000000 | 40.0000000 | 40.0000000 |
| | | Cust_Tenure | 8.0000000 | 9.0000000 | 10.0000000 | 10.0000000 | 10.0000000 |
| | | Overall_cust_satisfation_score | 4.0000000 | 4.0000000 | 4.0000000 | 4.0000000 | 4.0000000 |
| | | Cust_Income | 21381.00 | 25325.00 | 26609.00 | 34545.00 | 35859.00 |
| | | Agent_Tenure | 5.0000000 | 8.0000000 | 9.0000000 | 10.0000000 | 10.0000000 |
| | | Complaint | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 |
| | | YTD_contact_cnt | 23.0000000 | 27.0000000 | 28.0000000 | 30.0000000 | 30.0000000 |
| | | Due_date_day_cnt | 11.0000000 | 18.0000000 | 24.0000000 | 33.0000000 | 41.0000000 |
| | | Existing_policy_count | 12.0000000 | 14.0000000 | 15.0000000 | 15.0000000 | 15.0000000 |
| | | Miss_due_date_cnt | 8.0000000 | 10.0000000 | 10.0000000 | 10.0000000 | 10.0000000 |

The UNIVARIATE Procedure Variable: Age

| Moments | | | | | | | | | |
|-----------------|------------|------------------|------------|--|--|--|--|--|--|
| N | 1924 | Sum Weights | 1924 | | | | | | |
| Mean | 42.6242204 | Sum Observations | 82009 | | | | | | |
| Std Deviation | 10.0113121 | Variance | 100.226371 | | | | | | |
| Skewness | 0.00576962 | Kurtosis | -0.9543936 | | | | | | |
| Uncorrected SS | 3688305 | Corrected SS | 192735.311 | | | | | | |
| Coeff Variation | 23.4873789 | Std Error Mean | 0.22823827 | | | | | | |

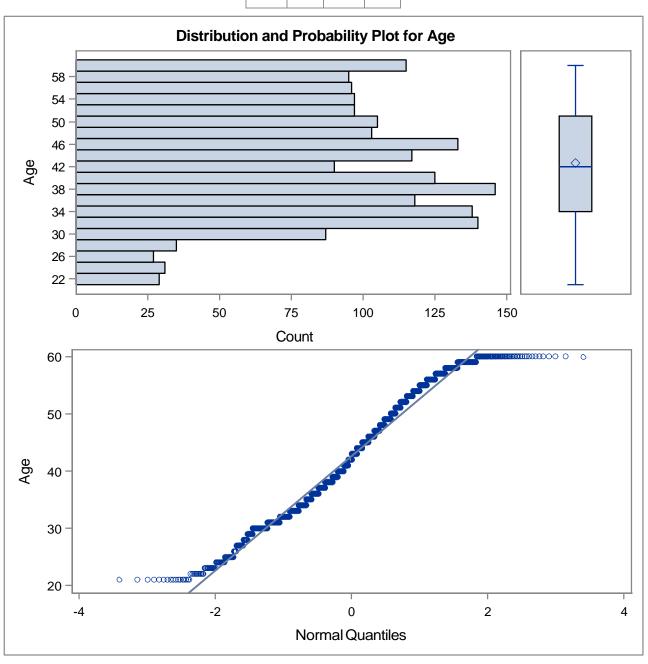
| Basic Statistical Measures | | | | | | | | |
|----------------------------|----------|---------------------|-----------|--|--|--|--|--|
| Loc | ation | Variability | | | | | | |
| Mean | 42.62422 | Std Deviation | 10.01131 | | | | | |
| Median | 42.00000 | Variance | 100.22637 | | | | | |
| Mode | 38.00000 | Range | 39.00000 | | | | | |
| | | Interquartile Range | 17.00000 | | | | | |

| Tests for Location: Mu0=0 | | | | |
|---------------------------|------------|--------|----------|--------|
| Test | Statistic | | p Val | lue |
| Student's t | t 186.7532 | | Pr > t | <.0001 |
| Sign | М | 962 | Pr >= M | <.0001 |
| Signed Rank | S | 925925 | Pr >= S | <.0001 |

| Quantiles (Definition 5) | | |
|--------------------------|----------|--|
| Level | Quantile | |
| 100% Max | 60 | |
| 99% | 60 | |
| 95% | 59 | |
| 90% | 57 | |
| 75% Q3 | 51 | |
| 50% Median | 42 | |
| 25% Q1 | 34 | |
| 10% | 30 | |
| 5% | 27 | |
| 1% | 22 | |
| 0% Min | 21 | |

The UNIVARIATE Procedure Variable: Age

| Extreme Observations | | | |
|----------------------|------|---------|------|
| Low | est | Highest | |
| Value | Obs | Value | Obs |
| 21 | 1764 | 60 | 1777 |
| 21 | 1712 | 60 | 1823 |
| 21 | 1648 | 60 | 1877 |
| 21 | 1637 | 60 | 1903 |
| 21 | 1596 | 60 | 1905 |



The UNIVARIATE Procedure Variable: Cust_Tenure

| Moments | | | | |
|-----------------|------------|------------------|------------|--|
| N | 1924 | Sum Weights | 1924 | |
| Mean | 12.6486486 | Sum Observations | 24336 | |
| Std Deviation | 7.01534187 | Variance | 49.2150216 | |
| Skewness | 0.18921756 | Kurtosis | -1.2031407 | |
| Uncorrected SS | 402458 | Corrected SS | 94640.4865 | |
| Coeff Variation | 55.4631729 | Std Error Mean | 0.15993603 | |

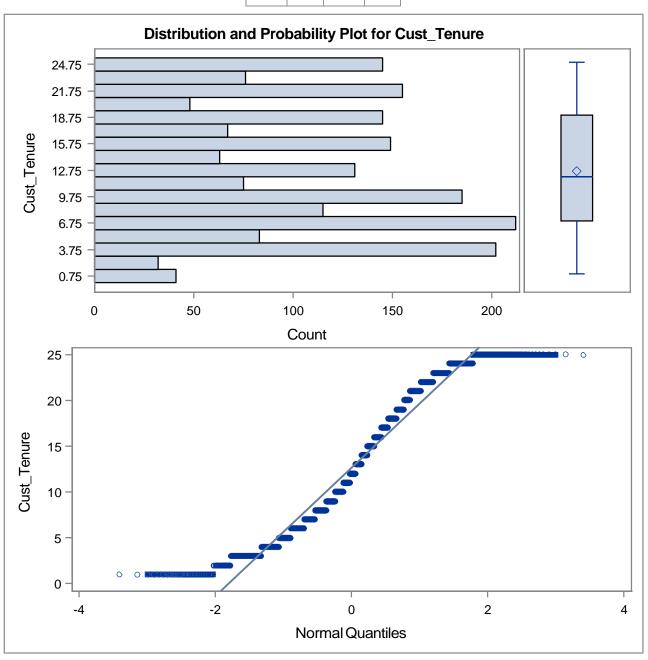
| | Basic Statistical Measures | | | |
|----------|----------------------------|---------------------|----------|--|
| Location | | Variability | | |
| Mean | 12.64865 | Std Deviation | 7.01534 | |
| Median | 12.00000 | Variance | 49.21502 | |
| Mode | 8.00000 | Range | 24.00000 | |
| | | Interquartile Range | 12.00000 | |

| Tests for Location: Mu0=0 | | | | |
|---------------------------|------------|--------|----------|--------|
| Test | Statistic | | p Va | lue |
| Student's t | t 79.08567 | | Pr > t | <.0001 |
| Sign | М | 962 | Pr >= M | <.0001 |
| Signed Rank | S | 925925 | Pr >= S | <.0001 |

| Quantiles (Definition 5) | |
|--------------------------|----------|
| Level | Quantile |
| 100% Max | 25 |
| 99% | 25 |
| 95% | 24 |
| 90% | 23 |
| 75% Q3 | 19 |
| 50% Median | 12 |
| 25% Q1 | 7 |
| 10% | 4 |
| 5% | 3 |
| 1% | 1 |
| 0% Min | 1 |

The UNIVARIATE Procedure Variable: Cust_Tenure

| Extreme Observations | | | |
|----------------------|--------|-------|------|
| Low | Lowest | | est |
| Value | Obs | Value | Obs |
| 1 | 1921 | 25 | 1820 |
| 1 | 1882 | 25 | 1837 |
| 1 | 1853 | 25 | 1886 |
| 1 | 1834 | 25 | 1903 |
| 1 | 1814 | 25 | 1905 |



The UNIVARIATE Procedure Variable: Overall_cust_satisfation_score

| Moments | | | | |
|-----------------|------------|------------------|------------|--|
| N | 1924 | Sum Weights | 1924 | |
| Mean | 3.39553015 | Sum Observations | 6533 | |
| Std Deviation | 1.18053232 | Variance | 1.39365656 | |
| Skewness | -0.1158404 | Kurtosis | -1.1124382 | |
| Uncorrected SS | 24863 | Corrected SS | 2680.00156 | |
| Coeff Variation | 34.767246 | Std Error Mean | 0.02691382 | |

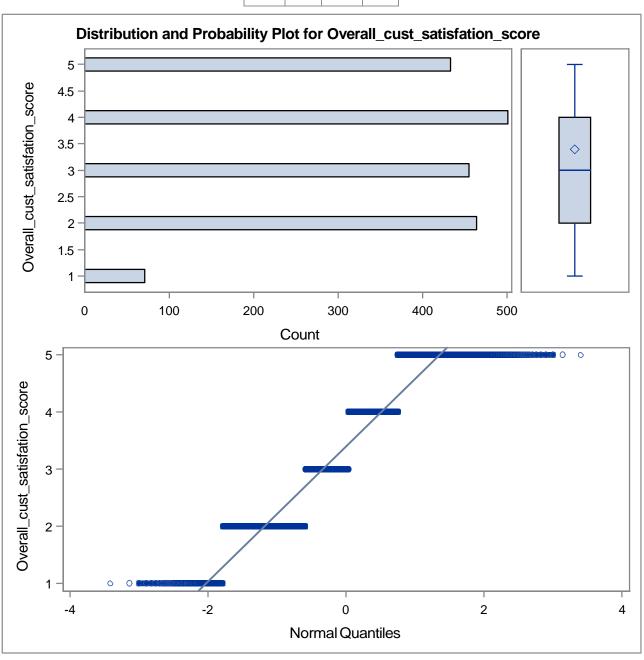
| | Basic Statistical Measures | | | |
|----------------------|----------------------------|---------------------|---------|--|
| Location Variability | | | | |
| Mean | 3.395530 | Std Deviation | 1.18053 | |
| Median | 3.000000 | Variance | 1.39366 | |
| Mode | 4.000000 | Range | 4.00000 | |
| | | Interquartile Range | 2.00000 | |

| Tests for Location: Mu0=0 | | | | |
|---------------------------|-----------|----------|----------|--------|
| Test | Statistic | | p Val | lue |
| Student's t | t | 126.1631 | Pr > t | <.0001 |
| Sign | М | 962 | Pr >= M | <.0001 |
| Signed Rank | S | 925925 | Pr >= S | <.0001 |

| Quantiles (I | Quantiles (Definition 5) | |
|--------------|--------------------------|--|
| Level | Quantile | |
| 100% Max | 5 | |
| 99% | 5 | |
| 95% | 5 | |
| 90% | 5 | |
| 75% Q3 | 4 | |
| 50% Median | 3 | |
| 25% Q1 | 2 | |
| 10% | 2 | |
| 5% | 2 | |
| 1% | 1 | |
| 0% Min | 1 | |

The UNIVARIATE Procedure Variable: Overall_cust_satisfation_score

| Extreme Observations | | | |
|----------------------|------|-------|------|
| Lowest | | High | est |
| Value | Obs | Value | Obs |
| 1 | 1888 | 5 | 1911 |
| 1 | 1885 | 5 | 1915 |
| 1 | 1874 | 5 | 1918 |
| 1 | 1856 | 5 | 1919 |
| 1 | 1788 | 5 | 1920 |



The UNIVARIATE Procedure Variable: CC_Satisfation_score

| Moments | | | | | |
|-----------------|------------|------------------|------------|--|--|
| N | 1924 | Sum Weights | 1924 | | |
| Mean | 3.0514553 | Sum Observations | 5871 | | |
| Std Deviation | 1.36631832 | Variance | 1.86682575 | | |
| Skewness | -0.123559 | Kurtosis | -1.1147222 | | |
| Uncorrected SS | 21505 | Corrected SS | 3589.90593 | | |
| Coeff Variation | 44.7759572 | Std Error Mean | 0.03114938 | | |

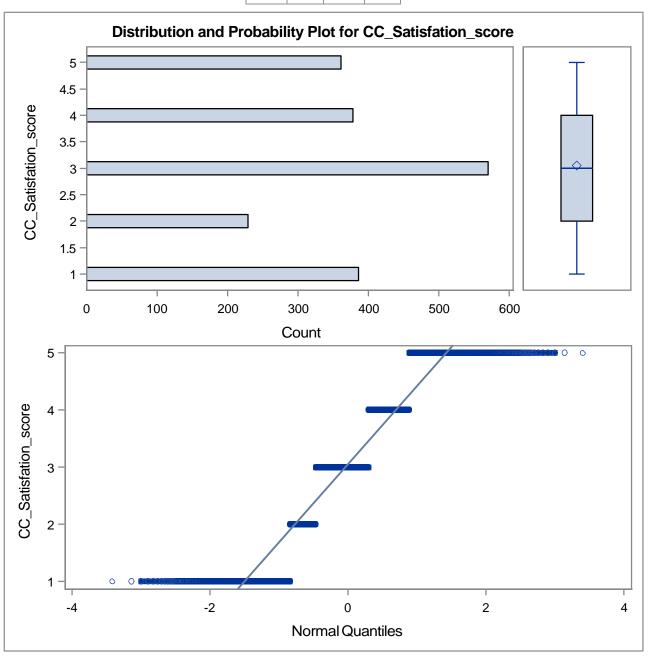
| | Basic Statistical Measures | | | |
|--------|----------------------------|---------------------|---------|--|
| Loc | Location Variability | | | |
| Mean | 3.051455 | Std Deviation | 1.36632 | |
| Median | 3.000000 | Variance | 1.86683 | |
| Mode | 3.000000 | Range | 4.00000 | |
| | | Interquartile Range | 2.00000 | |

| Tests for Location: Mu0=0 | | | | | |
|---------------------------|-------------------|--------|----------|--------|--|
| Test | Statistic p Value | | | | |
| Student's t | t | 97.962 | Pr > t | <.0001 | |
| Sign | М | 962 | Pr >= M | <.0001 | |
| Signed Rank | S | 925925 | Pr >= S | <.0001 | |

| Quantiles (Definition 5) | |
|--------------------------|----------|
| Level | Quantile |
| 100% Max | 5 |
| 99% | 5 |
| 95% | 5 |
| 90% | 5 |
| 75% Q3 | 4 |
| 50% Median | 3 |
| 25% Q1 | 2 |
| 10% | 1 |
| 5% | 1 |
| 1% | 1 |
| 0% Min | 1 |

The UNIVARIATE Procedure Variable: CC_Satisfation_score

| Extreme Observations | | | | |
|----------------------|--------|-------|------|--|
| Low | Lowest | | nest | |
| Value | Obs | Value | Obs | |
| 1 | 1923 | 5 | 1895 | |
| 1 | 1922 | 5 | 1901 | |
| 1 | 1916 | 5 | 1905 | |
| 1 | 1911 | 5 | 1915 | |
| 1 | 1910 | 5 | 1921 | |



The UNIVARIATE Procedure Variable: Cust_Income

| Moments | | | | | |
|-----------------|------------|------------------|------------|--|--|
| N | 1924 | Sum Weights | 1924 | | |
| Mean | 22026.2713 | Sum Observations | 42378546 | | |
| Std Deviation | 5270.94271 | Variance | 27782837.1 | | |
| Skewness | 3.75076965 | Kurtosis | 38.8971049 | | |
| Uncorrected SS | 9.86868E11 | Corrected SS | 5.34264E10 | | |
| Coeff Variation | 23.9302542 | Std Error Mean | 120.16715 | | |

| Basic Statistical Measures | | | |
|----------------------------|----------|---------------------|----------|
| Location Variability | | | |
| Mean | 22026.27 | Std Deviation | 5271 |
| Median | 20391.50 | Variance | 27782837 |
| Mode | 17177.00 | Range | 79991 |
| | | Interquartile Range | 5212 |

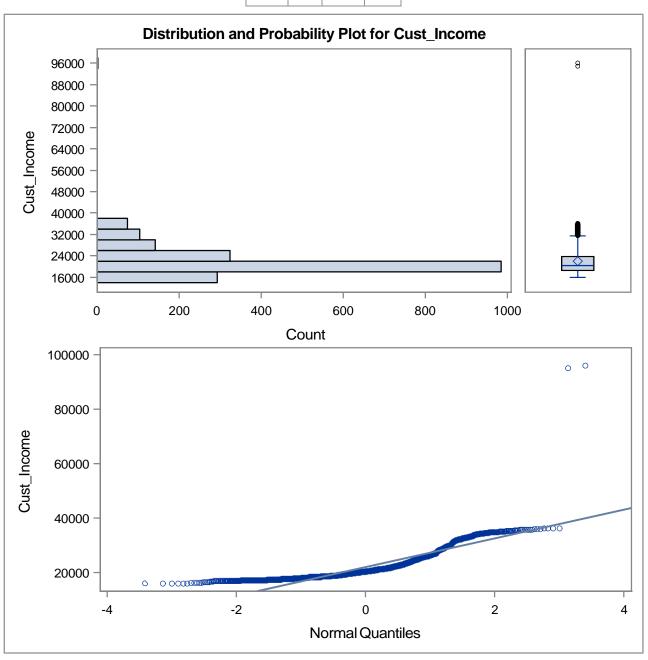
Note: The mode displayed is the smallest of 5 modes with a count of 4.

| Tests for Location: Mu0=0 | | | | | |
|---------------------------|-------------------|----------|----------|--------|--|
| Test | Statistic p Value | | | | |
| Student's t | t | 183.2969 | Pr > t | <.0001 | |
| Sign | М | 962 | Pr >= M | <.0001 | |
| Signed Rank | S | 925925 | Pr >= S | <.0001 | |

| Quantiles (Definition 5) | | |
|--------------------------|----------|--|
| Level | Quantile | |
| 100% Max | 96000.0 | |
| 99% | 35331.0 | |
| 95% | 33159.0 | |
| 90% | 29582.0 | |
| 75% Q3 | 23767.5 | |
| 50% Median | 20391.5 | |
| 25% Q1 | 18556.0 | |
| 10% | 17619.0 | |
| 5% | 17296.0 | |
| 1% | 17001.0 | |
| 0% Min | 16009.0 | |

The UNIVARIATE Procedure Variable: Cust_Income

| Extreme Observations | | | | |
|----------------------|-----|---------|------|--|
| Low | est | Highest | | |
| Value | Obs | Value | Obs | |
| 16009 | 160 | 35943 | 1728 | |
| 16051 | 732 | 35999 | 1030 | |
| 16051 | 241 | 35999 | 1509 | |
| 16091 | 935 | 95000 | 13 | |
| 16102 | 559 | 96000 | 983 | |



The UNIVARIATE Procedure Variable: Agent_Tenure

| Moments | | | | | |
|-----------------|------------|------------------|------------|--|--|
| N | 1924 | Sum Weights | 1924 | | |
| Mean | 3.16320166 | Sum Observations | 6086 | | |
| Std Deviation | 2.50124822 | Variance | 6.25624268 | | |
| Skewness | 0.9674889 | Kurtosis | 0.04843355 | | |
| Uncorrected SS | 31282 | Corrected SS | 12030.7547 | | |
| Coeff Variation | 79.073309 | Std Error Mean | 0.05702355 | | |

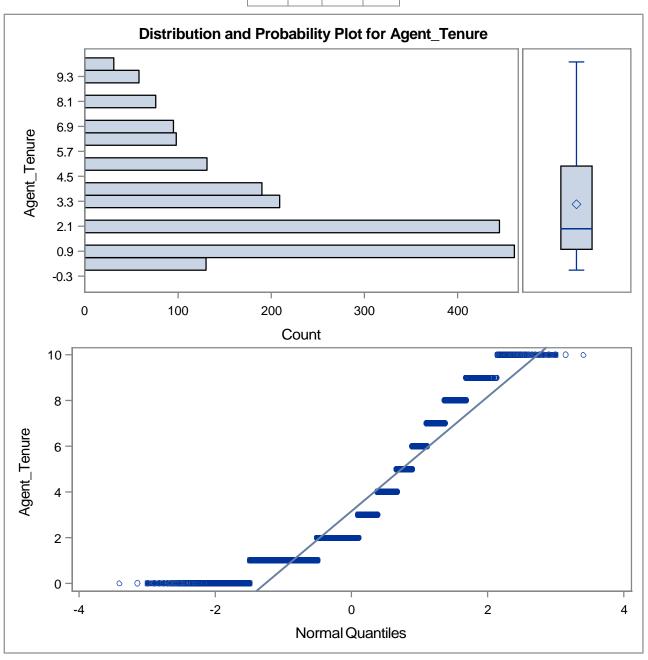
| | Basic Statistical Measures | | | | |
|--------|----------------------------|---------------------|----------|--|--|
| Loc | Location Variability | | | | |
| Mean | 3.163202 | Std Deviation | 2.50125 | | |
| Median | 2.000000 | Variance | 6.25624 | | |
| Mode | 1.000000 | Range | 10.00000 | | |
| | | Interquartile Range | 4.00000 | | |

| Tests for Location: Mu0=0 | | | | | | |
|---------------------------|-------------------|----------|----------|--------|--|--|
| Test | Statistic p Value | | | | | |
| Student's t | t 55.47185 | | Pr > t | <.0001 | | |
| Sign | М | 897 | Pr >= M | <.0001 | | |
| Signed Rank | S | 805057.5 | Pr >= S | <.0001 | | |

| Quantiles (Definition 5) | | |
|--------------------------|----------|--|
| Level | Quantile | |
| 100% Max | 10 | |
| 99% | 10 | |
| 95% | 8 | |
| 90% | 7 | |
| 75% Q3 | 5 | |
| 50% Median | 2 | |
| 25% Q1 | 1 | |
| 10% | 1 | |
| 5% | 0 | |
| 1% | 0 | |
| 0% Min | 0 | |

The UNIVARIATE Procedure Variable: Agent_Tenure

| Extreme Observations | | | | | |
|----------------------|-----|---------|------|--|--|
| Lowest | | Highest | | | |
| Value | Obs | Value | Obs | | |
| 0 | 962 | 10 | 1687 | | |
| 0 | 952 | 10 | 1701 | | |
| 0 | 951 | 10 | 1721 | | |
| 0 | 942 | 10 | 1840 | | |
| 0 | 941 | 10 | 1856 | | |



The UNIVARIATE Procedure Variable: Complaint

| Moments | | | | | |
|-----------------|------------|------------------|------------|--|--|
| N | 1924 | Sum Weights | 1924 | | |
| Mean | 0.28898129 | Sum Observations | 556 | | |
| Std Deviation | 0.45340705 | Variance | 0.20557795 | | |
| Skewness | 0.93178213 | Kurtosis | -1.1329609 | | |
| Uncorrected SS | 556 | Corrected SS | 395.326403 | | |
| Coeff Variation | 156.898411 | Std Error Mean | 0.01033679 | | |

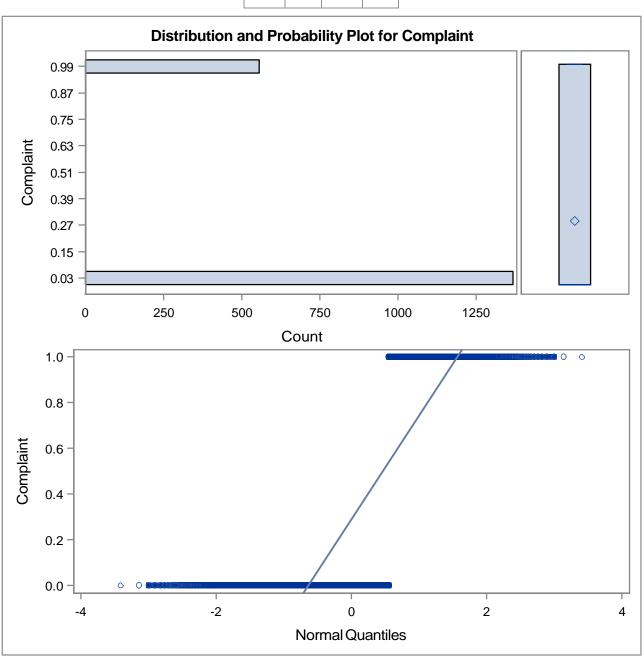
| | Basic Statistical Measures | | | | |
|--------|----------------------------|---------------------|---------|--|--|
| Loc | Location Variability | | | | |
| Mean | 0.288981 | Std Deviation | 0.45341 | | |
| Median | 0.000000 | Variance | 0.20558 | | |
| Mode | 0.000000 | Range | 1.00000 | | |
| | | Interquartile Range | 1.00000 | | |

| Tests for Location: Mu0=0 | | | | | |
|---------------------------|-------------------|-------|----------|--------|--|
| Test | Statistic p Value | | | | |
| Student's t | t 27.95658 | | Pr > t | <.0001 | |
| Sign | М | 278 | Pr >= M | <.0001 | |
| Signed Rank | S | 77423 | Pr >= S | <.0001 | |

| Quantiles (Definition 5) | | |
|--------------------------|----------|--|
| Level | Quantile | |
| 100% Max | 1 | |
| 99% | 1 | |
| 95% | 1 | |
| 90% | 1 | |
| 75% Q3 | 1 | |
| 50% Median | 0 | |
| 25% Q1 | 0 | |
| 10% | 0 | |
| 5% | 0 | |
| 1% | 0 | |
| 0% Min | 0 | |

The UNIVARIATE Procedure Variable: Complaint

| Extreme Observations | | | | | |
|----------------------|------|---------|------|--|--|
| Lowest | | Highest | | | |
| Value Obs | | Value | Obs | | |
| 0 | 1923 | 1 | 1908 | | |
| 0 | 1922 | 1 | 1916 | | |
| 0 | 1920 | 1 | 1919 | | |
| 0 | 1918 | 1 | 1921 | | |
| 0 | 1917 | 1 | 1924 | | |



The UNIVARIATE Procedure Variable: YTD_contact_cnt

| Moments | | | | | |
|-----------------|------------|------------------|------------|--|--|
| N | 1924 | Sum Weights | 1924 | | |
| Mean | 20.6689189 | Sum Observations | 39767 | | |
| Std Deviation | 3.63693577 | Variance | 13.2273018 | | |
| Skewness | 0.83112558 | Kurtosis | -0.1898013 | | |
| Uncorrected SS | 847377 | Corrected SS | 25436.1014 | | |
| Coeff Variation | 17.5961587 | Std Error Mean | 0.082915 | | |

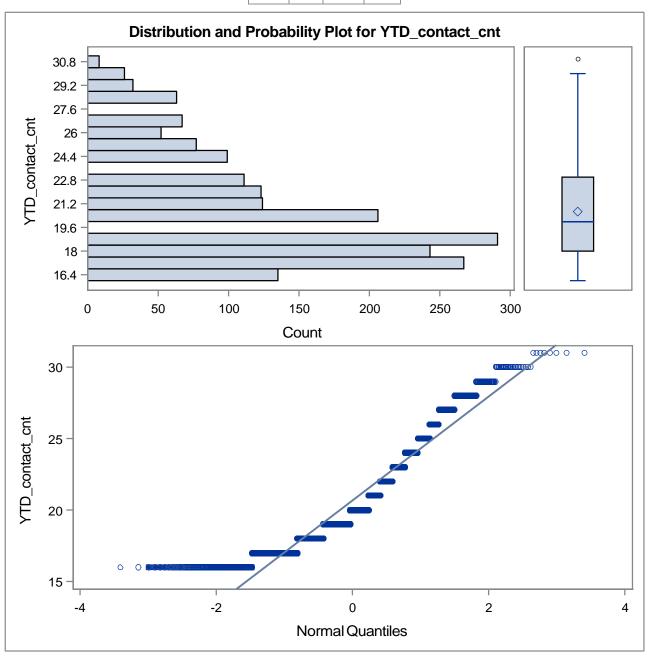
| | Basic Statistical Measures | | | | | |
|--------|----------------------------|---------------------|----------|--|--|--|
| Loc | Location Variability | | | | | |
| Mean | 20.66892 | Std Deviation | 3.63694 | | | |
| Median | 20.00000 | Variance | 13.22730 | | | |
| Mode | 19.00000 | Range | 15.00000 | | | |
| | | Interquartile Range | 5.00000 | | | |

| Tests for Location: Mu0=0 | | | | | |
|---------------------------|-------------------|--------|----------|--------|--|
| Test | Statistic p Value | | | | |
| Student's t | t 249.2784 | | Pr > t | <.0001 | |
| Sign | М | 962 | Pr >= M | <.0001 | |
| Signed Rank | S | 925925 | Pr >= S | <.0001 | |

| Quantiles (Definition 5) | | |
|--------------------------|----------|--|
| Level | Quantile | |
| 100% Max | 31 | |
| 99% | 30 | |
| 95% | 28 | |
| 90% | 27 | |
| 75% Q3 | 23 | |
| 50% Median | 20 | |
| 25% Q1 | 18 | |
| 10% | 17 | |
| 5% | 16 | |
| 1% | 16 | |
| 0% Min | 16 | |

The UNIVARIATE Procedure Variable: YTD_contact_cnt

| Extreme Observations | | | |
|----------------------|-----------|---------|------|
| Lowest | | Highest | |
| Value | Value Obs | | Obs |
| 16 | 961 | 31 | 1430 |
| 16 | 947 | 31 | 1486 |
| 16 | 945 | 31 | 1506 |
| 16 | 943 | 31 | 1531 |
| 16 | 931 | 31 | 1592 |



The UNIVARIATE Procedure Variable: Due_date_day_cnt

| Moments | | | |
|-----------------|------------|------------------|------------|
| N | 1924 | Sum Weights | 1924 |
| Mean | 11.6496881 | Sum Observations | 22414 |
| Std Deviation | 7.56699631 | Variance | 57.2594331 |
| Skewness | 1.06616338 | Kurtosis | 0.77727348 |
| Uncorrected SS | 371226 | Corrected SS | 110109.89 |
| Coeff Variation | 64.9544967 | Std Error Mean | 0.17251267 |

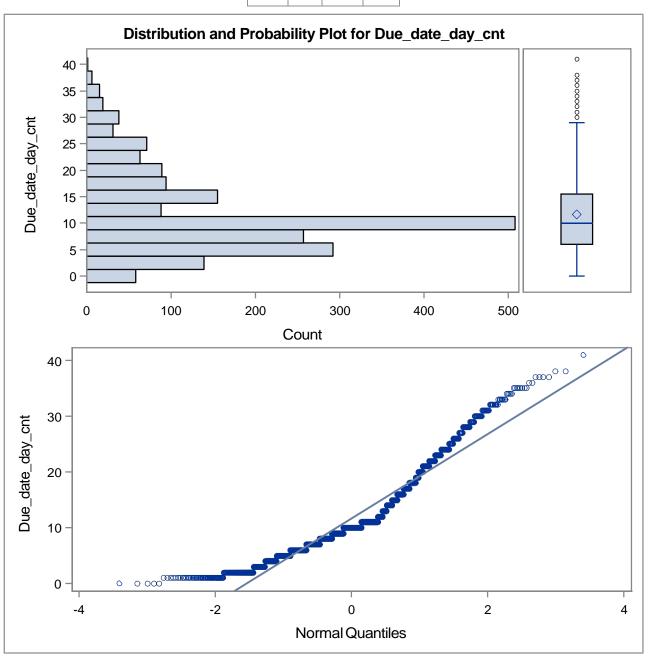
| | Basic Statistical Measures | | | |
|----------------------|----------------------------|---------------------|----------|--|
| Location Variability | | | | |
| Mean | 11.64969 | Std Deviation | 7.56700 | |
| Median | 10.00000 | Variance | 57.25943 | |
| Mode | 10.00000 | Range | 41.00000 | |
| | | Interquartile Range | 9.50000 | |

| Tests for Location: Mu0=0 | | | | |
|---------------------------|-----------|----------|----------|--------|
| Test | Statistic | | p Val | lue |
| Student's t | t | 67.52947 | Pr > t | <.0001 |
| Sign | М | 959.5 | Pr >= M | <.0001 |
| Signed Rank | S | 921120 | Pr >= S | <.0001 |

| Quantiles (Definition 5) | | |
|--------------------------|----------|--|
| Level | Quantile | |
| 100% Max | 41.0 | |
| 99% | 34.0 | |
| 95% | 28.0 | |
| 90% | 23.0 | |
| 75% Q3 | 15.5 | |
| 50% Median | 10.0 | |
| 25% Q1 | 6.0 | |
| 10% | 3.0 | |
| 5% | 2.0 | |
| 1% | 1.0 | |
| 0% Min | 0.0 | |

The UNIVARIATE Procedure Variable: Due_date_day_cnt

| Extreme Observations | | | |
|----------------------|-----|---------|------|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 0 | 732 | 37 | 642 |
| 0 | 598 | 37 | 1324 |
| 0 | 595 | 38 | 1594 |
| 0 | 241 | 38 | 1870 |
| 0 | 141 | 41 | 1011 |



The UNIVARIATE Procedure Variable: Existing_policy_count

| Moments | | | | |
|-----------------|------------|------------------|------------|--|
| N | 1924 | Sum Weights | 1924 | |
| Mean | 8.09303534 | Sum Observations | 15571 | |
| Std Deviation | 4.32748996 | Variance | 18.7271694 | |
| Skewness | -0.0334004 | Kurtosis | -1.1849708 | |
| Uncorrected SS | 162029 | Corrected SS | 36012.3467 | |
| Coeff Variation | 53.4717788 | Std Error Mean | 0.09865828 | |

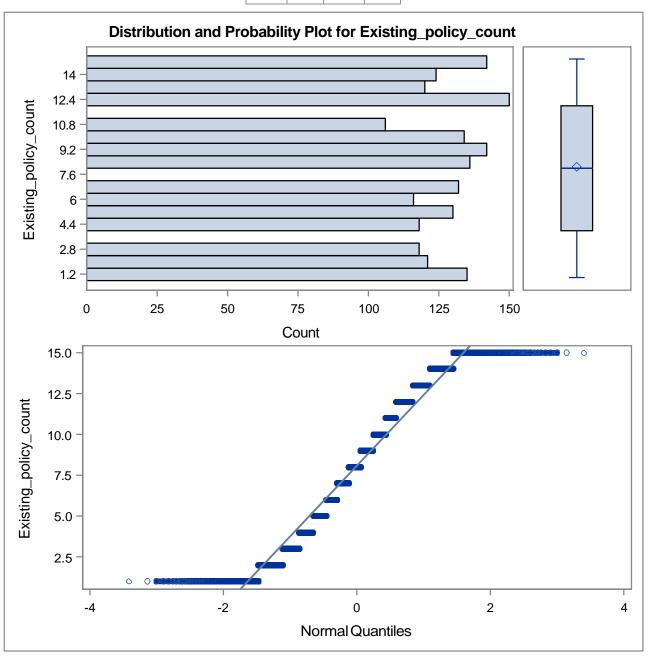
| | Basic Statistical Measures | | | |
|----------------------|----------------------------|---------------------|----------|--|
| Location Variability | | | | |
| Mean | 8.09304 | Std Deviation | 4.32749 | |
| Median | 8.00000 | Variance | 18.72717 | |
| Mode | 12.00000 | Range | 14.00000 | |
| | | Interquartile Range | 8.00000 | |

| Tests for Location: Mu0=0 | | | | | |
|---------------------------|-------------------|----------|----------|--------|--|
| Test | Statistic p Value | | | | |
| Student's t | t | 82.03098 | Pr > t | <.0001 | |
| Sign | М | 962 | Pr >= M | <.0001 | |
| Signed Rank | S | 925925 | Pr >= S | <.0001 | |

| Quantiles (Definition 5) | | |
|--------------------------|----------|--|
| Level | Quantile | |
| 100% Max | 15 | |
| 99% | 15 | |
| 95% | 15 | |
| 90% | 14 | |
| 75% Q3 | 12 | |
| 50% Median | 8 | |
| 25% Q1 | 4 | |
| 10% | 2 | |
| 5% | 1 | |
| 1% | 1 | |
| 0% Min | 1 | |

The UNIVARIATE Procedure Variable: Existing_policy_count

| Extreme Observations | | | |
|----------------------|------|---------|------|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 1 | 1905 | 15 | 1868 |
| 1 | 1897 | 15 | 1869 |
| 1 | 1864 | 15 | 1876 |
| 1 | 1857 | 15 | 1889 |
| 1 | 1856 | 15 | 1906 |



The UNIVARIATE Procedure Variable: Miss_due_date_cnt

| Moments | | | | |
|-----------------|------------|------------------|------------|--|
| N | 1924 | Sum Weights | 1924 | |
| Mean | 1.8004158 | Sum Observations | 3464 | |
| Std Deviation | 2.25117519 | Variance | 5.06778974 | |
| Skewness | 2.09467831 | Kurtosis | 4.07297366 | |
| Uncorrected SS | 15982 | Corrected SS | 9745.35967 | |
| Coeff Variation | 125.036405 | Std Error Mean | 0.05132238 | |

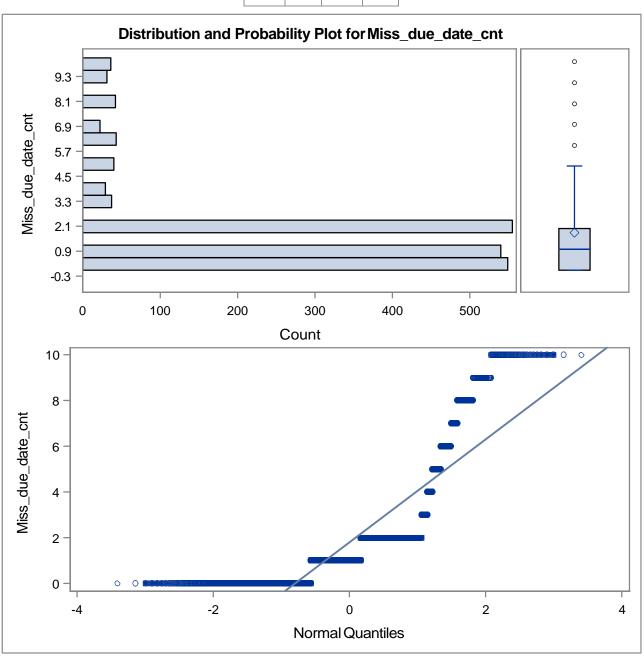
| | Basic Statistical Measures | | | |
|----------------------|----------------------------|---------------------|----------|--|
| Location Variability | | | | |
| Mean | 1.800416 | Std Deviation | 2.25118 | |
| Median | 1.000000 | Variance | 5.06779 | |
| Mode | 2.000000 | Range | 10.00000 | |
| | | Interquartile Range | 2.00000 | |

| Tests for Location: Mu0=0 | | | | | |
|---------------------------|-------------------|--------|----------|--------|--|
| Test | Statistic p Value | | | | |
| Student's t | t 35.08052 | | Pr > t | <.0001 | |
| Sign | М | 687.5 | Pr >= M | <.0001 | |
| Signed Rank | S | 473000 | Pr >= S | <.0001 | |

| Quantiles (Definition 5) | |
|--------------------------|----------|
| Level | Quantile |
| 100% Max | 10 |
| 99% | 10 |
| 95% | 8 |
| 90% | 5 |
| 75% Q3 | 2 |
| 50% Median | 1 |
| 25% Q1 | 0 |
| 10% | 0 |
| 5% | 0 |
| 1% | 0 |
| 0% Min | 0 |

The UNIVARIATE Procedure Variable: Miss_due_date_cnt

| Extreme Observations | | | |
|----------------------|------|-------|------|
| Lowest | | High | nest |
| Value | Obs | Value | Obs |
| 0 | 1923 | 10 | 1781 |
| 0 | 1920 | 10 | 1797 |
| 0 | 1918 | 10 | 1873 |
| 0 | 1917 | 10 | 1879 |
| 0 | 1916 | 10 | 1913 |



The UNIVARIATE Procedure Variable: Age

| Moments | | | | |
|-----------------|------------|------------------|------------|--|
| N | 1924 | Sum Weights | 1924 | |
| Mean | 42.6242204 | Sum Observations | 82009 | |
| Std Deviation | 10.0113121 | Variance | 100.226371 | |
| Skewness | 0.00576962 | Kurtosis | -0.9543936 | |
| Uncorrected SS | 3688305 | Corrected SS | 192735.311 | |
| Coeff Variation | 23.4873789 | Std Error Mean | 0.22823827 | |

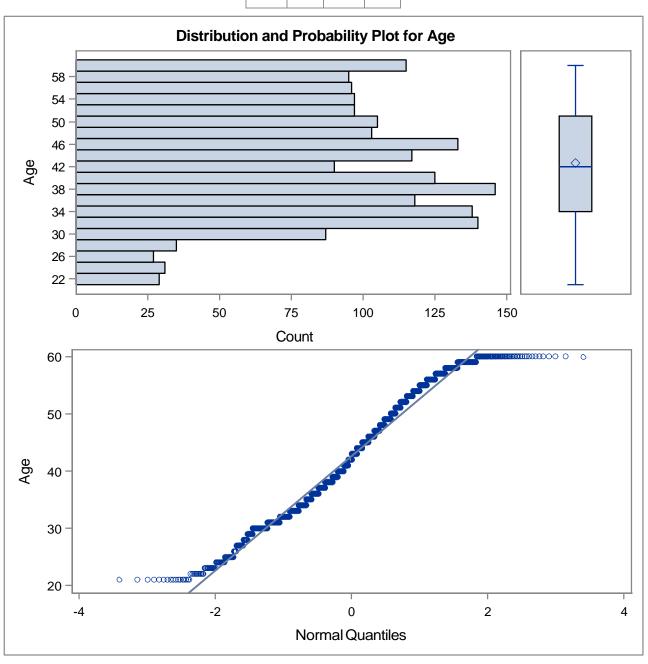
| | Basic Statistical Measures | | | | |
|--------|----------------------------|---------------------|-----------|--|--|
| Loc | Location Variability | | | | |
| Mean | 42.62422 | Std Deviation | 10.01131 | | |
| Median | 42.00000 | Variance | 100.22637 | | |
| Mode | 38.00000 | Range | 39.00000 | | |
| | | Interquartile Range | 17.00000 | | |

| Tests for Location: Mu0=0 | | | | | |
|---------------------------|-------------------|--------|----------|--------|--|
| Test | Statistic p Value | | | | |
| Student's t | t 186.7532 | | Pr > t | <.0001 | |
| Sign | М | 962 | Pr >= M | <.0001 | |
| Signed Rank | S | 925925 | Pr >= S | <.0001 | |

| Quantiles (Definition 5) | | |
|--------------------------|----------|--|
| Level | Quantile | |
| 100% Max | 60 | |
| 99% | 60 | |
| 95% | 59 | |
| 90% | 57 | |
| 75% Q3 | 51 | |
| 50% Median | 42 | |
| 25% Q1 | 34 | |
| 10% | 30 | |
| 5% | 27 | |
| 1% | 22 | |
| 0% Min | 21 | |

The UNIVARIATE Procedure Variable: Age

| Extreme Observations | | | | |
|----------------------|-----------|---------|------|--|
| Lowest | | Highest | | |
| Value | Value Obs | | Obs | |
| 21 | 1764 | 60 | 1777 | |
| 21 | 1712 | 60 | 1823 | |
| 21 | 1648 | 60 | 1877 | |
| 21 | 1637 | 60 | 1903 | |
| 21 | 1596 | 60 | 1905 | |



The UNIVARIATE Procedure Variable: Cust_Tenure

| Moments | | | | | |
|-----------------|------------|------------------|------------|--|--|
| N | 1924 | 1924 | | | |
| Mean | 12.6486486 | Sum Observations | 24336 | | |
| Std Deviation | 7.01534187 | Variance | 49.2150216 | | |
| Skewness | 0.18921756 | Kurtosis | -1.2031407 | | |
| Uncorrected SS | 402458 | Corrected SS | 94640.4865 | | |
| Coeff Variation | 55.4631729 | Std Error Mean | 0.15993603 | | |

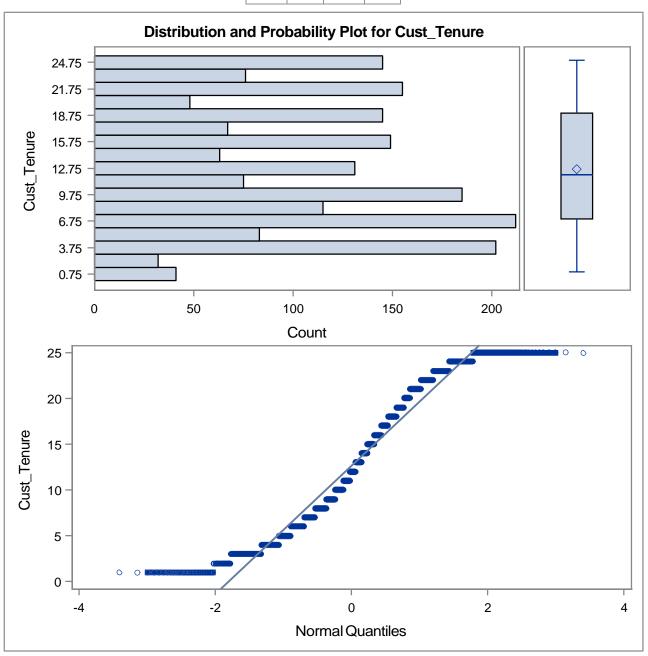
| | Basic Statistical Measures | | | | |
|--------|----------------------------|---------------------|----------|--|--|
| Loc | Location Variability | | | | |
| Mean | 12.64865 | Std Deviation | 7.01534 | | |
| Median | 12.00000 | Variance | 49.21502 | | |
| Mode | 8.00000 | Range | 24.00000 | | |
| | | Interquartile Range | 12.00000 | | |

| Tests for Location: Mu0=0 | | | | | |
|---------------------------|-------------------|--------|----------|--------|--|
| Test | Statistic p Value | | | | |
| Student's t | t 79.08567 | | Pr > t | <.0001 | |
| Sign | М | 962 | Pr >= M | <.0001 | |
| Signed Rank | S | 925925 | Pr >= S | <.0001 | |

| Quantiles (Definition 5) | | |
|--------------------------|----------|--|
| Level | Quantile | |
| 100% Max | 25 | |
| 99% | 25 | |
| 95% | 24 | |
| 90% | 23 | |
| 75% Q3 | 19 | |
| 50% Median | 12 | |
| 25% Q1 | 7 | |
| 10% | 4 | |
| 5% | 3 | |
| 1% | 1 | |
| 0% Min | 1 | |
| | | |

The UNIVARIATE Procedure Variable: Cust_Tenure

| Extreme Observations | | | | |
|----------------------|------|---------|------|--|
| Lowest | | Highest | | |
| Value | Obs | Value | Obs | |
| 1 | 1921 | 25 | 1820 | |
| 1 | 1882 | 25 | 1837 | |
| 1 | 1853 | 25 | 1886 | |
| 1 | 1834 | 25 | 1903 | |
| 1 | 1814 | 25 | 1905 | |



The UNIVARIATE Procedure Variable: Overall_cust_satisfation_score

| Moments | | | | | |
|-----------------|------------|------------------|------------|--|--|
| N | 1924 | Sum Weights | 1924 | | |
| Mean | 3.39553015 | Sum Observations | 6533 | | |
| Std Deviation | 1.18053232 | Variance | 1.39365656 | | |
| Skewness | -0.1158404 | Kurtosis | -1.1124382 | | |
| Uncorrected SS | 24863 | Corrected SS | 2680.00156 | | |
| Coeff Variation | 34.767246 | Std Error Mean | 0.02691382 | | |

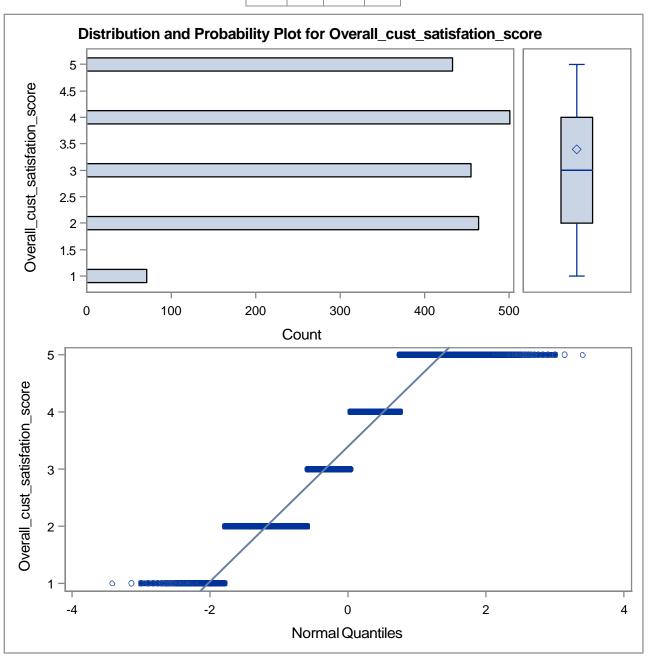
| | Basic Statistical Measures | | | | |
|--------|----------------------------|------------------------|---------|--|--|
| Loc | Location Variability | | | | |
| Mean | 3.395530 | 0 Std Deviation 1.1805 | | | |
| Median | 3.000000 | Variance | 1.39366 | | |
| Mode | 4.000000 | Range | 4.00000 | | |
| | | Interquartile Range | 2.00000 | | |

| Tests for Location: Mu0=0 | | | | | |
|---------------------------|-------------------|--------|----------|--------|--|
| Test | Statistic p Value | | | | |
| Student's t | t 126.1631 | | Pr > t | <.0001 | |
| Sign | М | 962 | Pr >= M | <.0001 | |
| Signed Rank | S | 925925 | Pr >= S | <.0001 | |

| Quantiles (Definition 5) | | |
|--------------------------|----------|--|
| Level | Quantile | |
| 100% Max | 5 | |
| 99% | 5 | |
| 95% | 5 | |
| 90% | 5 | |
| 75% Q3 | 4 | |
| 50% Median | 3 | |
| 25% Q1 | 2 | |
| 10% | 2 | |
| 5% | 2 | |
| 1% | 1 | |
| 0% Min | 1 | |

The UNIVARIATE Procedure Variable: Overall_cust_satisfation_score

| Extreme Observations | | | | |
|----------------------|------|---------|------|--|
| Lowest | | Highest | | |
| Value Obs | | Value | Obs | |
| 1 | 1888 | 5 | 1911 | |
| 1 | 1885 | 885 5 1 | | |
| 1 | 1874 | 5 | 1918 | |
| 1 | 1856 | 5 | 1919 | |
| 1 | 1788 | 5 | 1920 | |



The UNIVARIATE Procedure Variable: CC_Satisfation_score

| Moments | | | | |
|----------------------------------|------------|------------------|------------|--|
| N | 1924 | 1924 | | |
| Mean | 3.0514553 | Sum Observations | 5871 | |
| Std Deviation 1.36631832 | | Variance | 1.86682575 | |
| Skewness | -0.123559 | Kurtosis | -1.1147222 | |
| Uncorrected SS | 21505 | Corrected SS | 3589.90593 | |
| Coeff Variation | 44.7759572 | Std Error Mean | 0.03114938 | |

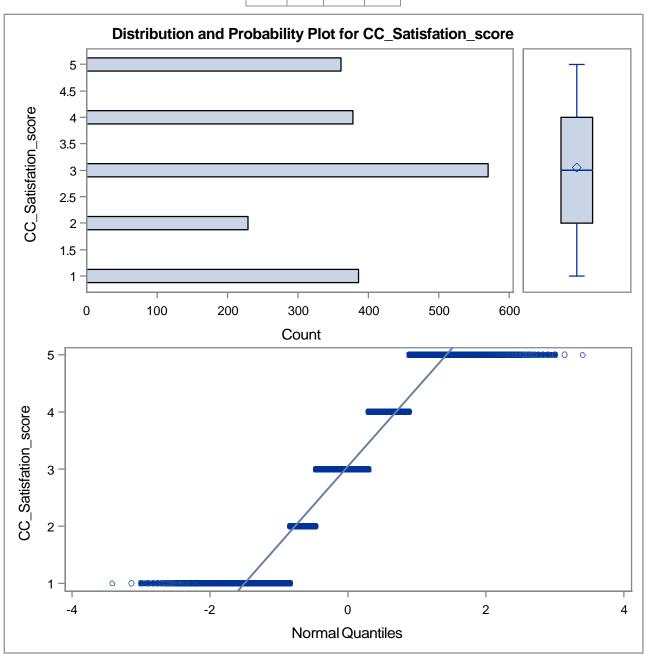
| | Basic Statistical Measures | | | | |
|--|----------------------------|----------------|---------|--|--|
| Loc | Location Variability | | | | |
| Mean 3.051455 Std Deviation 1.36 | | | 1.36632 | | |
| Median | 3.000000 | 0 Variance 1.8 | | | |
| Mode | Mode 3.000000 Range 4.00 | | 4.00000 | | |
| Interquartile Range 2.0000 | | | | | |

| Tests for Location: Mu0=0 | | | | | |
|---------------------------|-------------------|--------|----------|--------|--|
| Test | Statistic p Value | | | | |
| Student's t | t | 97.962 | Pr > t | <.0001 | |
| Sign | M 962 | | Pr >= M | <.0001 | |
| Signed Rank | S | 925925 | Pr >= S | <.0001 | |

| Quantiles (Definition 5) | | |
|--------------------------|----------|--|
| Level | Quantile | |
| 100% Max | 5 | |
| 99% | 5 | |
| 95% | 5 | |
| 90% | 5 | |
| 75% Q3 | 4 | |
| 50% Median | 3 | |
| 25% Q1 | 2 | |
| 10% | 1 | |
| 5% | 1 | |
| 1% | 1 | |
| 0% Min | 1 | |

The UNIVARIATE Procedure Variable: CC_Satisfation_score

| Extreme Observations | | | | |
|----------------------|------|-------|------|--|
| Lowest | | High | est | |
| Value Obs | | Value | Obs | |
| 1 | 1923 | 5 | 1895 | |
| 1 | 1922 | 5 | 1901 | |
| 1 | 1916 | 5 | 1905 | |
| 1 | 1911 | 5 | 1915 | |
| 1 | 1910 | 5 | 1921 | |



The UNIVARIATE Procedure Variable: Cust_Income

| Moments | | | | | |
|-----------------|------------|------------------|------------|--|--|
| N | 1924 | 1924 | | | |
| Mean | 21960.4288 | Sum Observations | 42251865 | | |
| Std Deviation | 4717.89005 | Variance | 22258486.5 | | |
| Skewness | 1.34553307 | Kurtosis | 0.96607181 | | |
| Uncorrected SS | 9.70672E11 | Corrected SS | 4.28031E10 | | |
| Coeff Variation | 21.4835971 | Std Error Mean | 107.558635 | | |

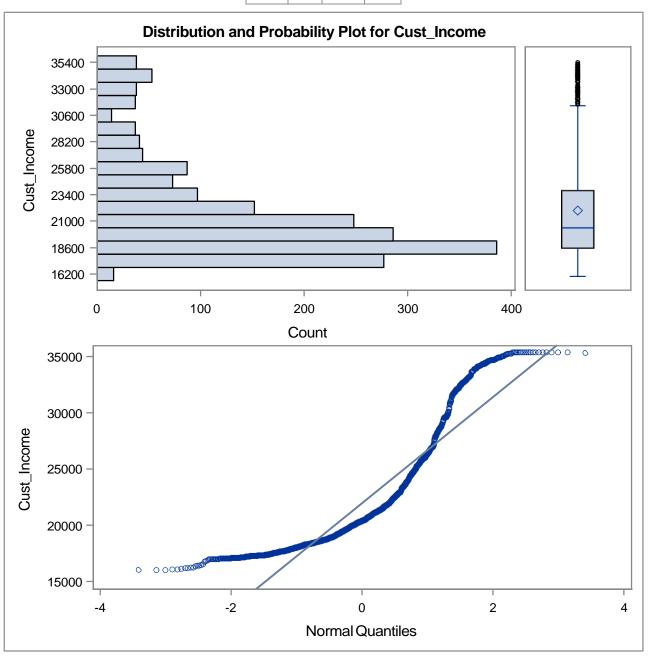
| Basic Statistical Measures | | | | |
|----------------------------|----------|---------------------|----------|--|
| Location Variability | | | | |
| Mean | 21960.43 | 0.43 Std Deviation | | |
| Median | 20391.50 | Variance | 22258486 | |
| Mode | 35331.00 | Range | 19322 | |
| | | Interquartile Range | 5212 | |

| Tests for Location: Mu0=0 | | | | | |
|---------------------------|-------------------|----------|----------|--------|--|
| Test | Statistic p Value | | | | |
| Student's t | t | 204.1717 | Pr > t | <.0001 | |
| Sign | M 962 | | Pr >= M | <.0001 | |
| Signed Rank | S | 925925 | Pr >= S | <.0001 | |

| Quantiles (Definition 5) | | | |
|--------------------------|----------|--|--|
| Level | Quantile | | |
| 100% Max | 35331.0 | | |
| 99% | 35331.0 | | |
| 95% | 33159.0 | | |
| 90% | 29582.0 | | |
| 75% Q3 | 23767.5 | | |
| 50% Median | 20391.5 | | |
| 25% Q1 | 18556.0 | | |
| 10% | 17619.0 | | |
| 5% | 17296.0 | | |
| 1% | 17001.0 | | |
| 0% Min | 16009.0 | | |

The UNIVARIATE Procedure Variable: Cust_Income

| Extreme Observations | | | | | |
|----------------------|----------------|-------|------|--|--|
| Low | Lowest Highest | | | | |
| Value | Value Obs | | Obs | | |
| 16009 | 160 | 35331 | 1608 | | |
| 16051 | 732 | 35331 | 1701 | | |
| 16051 | 16051 241 | | 1728 | | |
| 16091 | 935 | 35331 | 1819 | | |
| 16102 | 559 | 35331 | 1878 | | |



The UNIVARIATE Procedure Variable: Agent_Tenure

| Moments | | | | |
|-----------------|------------|------------------|------------|--|
| N | 1924 | 1924 Sum Weights | | |
| Mean | 3.16320166 | Sum Observations | 6086 | |
| Std Deviation | 2.50124822 | Variance | 6.25624268 | |
| Skewness | 0.9674889 | Kurtosis | 0.04843355 | |
| Uncorrected SS | 31282 | Corrected SS | 12030.7547 | |
| Coeff Variation | 79.073309 | Std Error Mean | 0.05702355 | |

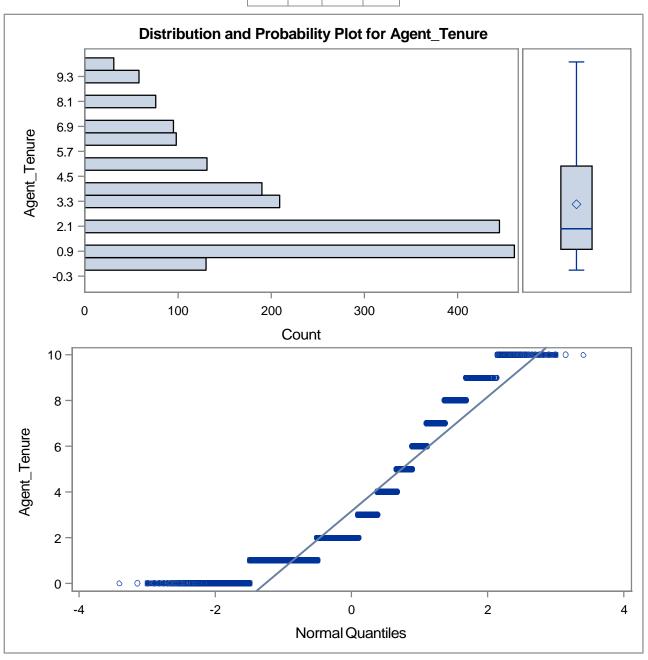
| | Basic Statistical Measures | | | |
|----------------------|----------------------------|---------------------|----------|--|
| Location Variability | | | | |
| Mean | 3.163202 | Std Deviation | 2.50125 | |
| Median | 2.000000 | Variance | 6.25624 | |
| Mode | 1.000000 | Range | 10.00000 | |
| | | Interquartile Range | 4.00000 | |

| Tests for Location: Mu0=0 | | | | | |
|---------------------------|-------------------|----------|----------|--------|--|
| Test | Statistic p Value | | | | |
| Student's t | t 55.47185 | | Pr > t | <.0001 | |
| Sign | М | 897 | Pr >= M | <.0001 | |
| Signed Rank | S | 805057.5 | Pr >= S | <.0001 | |

| Quantiles (Definition 5) | | |
|--------------------------|----------|--|
| Level | Quantile | |
| 100% Max | 10 | |
| 99% | 10 | |
| 95% | 8 | |
| 90% | 7 | |
| 75% Q3 | 5 | |
| 50% Median | 2 | |
| 25% Q1 | 1 | |
| 10% | 1 | |
| 5% | 0 | |
| 1% | 0 | |
| 0% Min | 0 | |
| | | |

The UNIVARIATE Procedure Variable: Agent_Tenure

| Extreme Observations | | | | |
|----------------------|-----|---------|------|--|
| Lowest | | Highest | | |
| Value | Obs | Value | Obs | |
| 0 | 962 | 10 | 1687 | |
| 0 | 952 | 10 | 1701 | |
| 0 | 951 | 10 | 1721 | |
| 0 | 942 | 10 | 1840 | |
| 0 | 941 | 10 | 1856 | |



The UNIVARIATE Procedure Variable: Complaint

| Moments | | | | |
|-----------------|----------------------|------------------|------------|--|
| N | 1924 | Sum Weights | 1924 | |
| Mean | 0.28898129 | Sum Observations | 556 | |
| Std Deviation | 0.45340705 | Variance | 0.20557795 | |
| Skewness | 0.93178213 | Kurtosis | -1.1329609 | |
| Uncorrected SS | Uncorrected SS 556 C | | 395.326403 | |
| Coeff Variation | 156.898411 | Std Error Mean | 0.01033679 | |

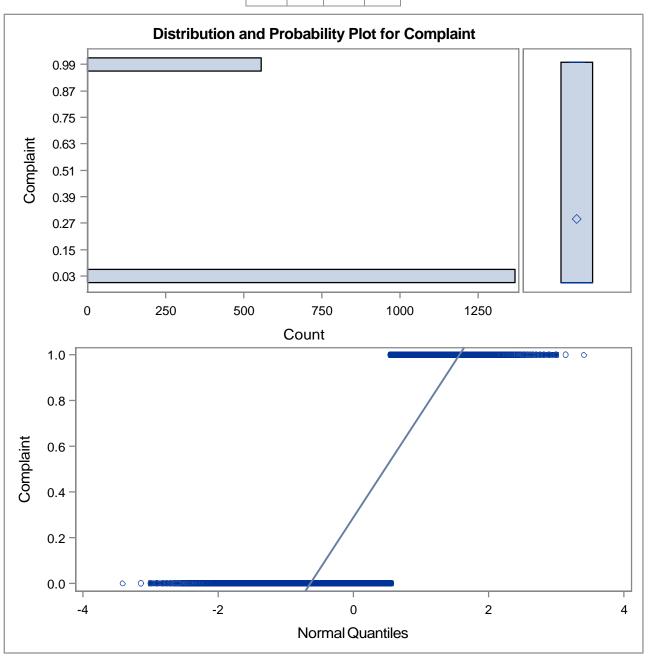
| Basic Statistical Measures | | | |
|----------------------------|----------|---------------------|---------|
| Location Variability | | | |
| Mean | 0.288981 | Std Deviation | 0.45341 |
| Median | 0.000000 | Variance | 0.20558 |
| Mode | 0.000000 | Range | 1.00000 |
| | | Interquartile Range | 1.00000 |

| Tests for Location: Mu0=0 | | | | | |
|---------------------------|-------------------|----------|----------|--------|--|
| Test | Statistic p Value | | | | |
| Student's t | t | 27.95658 | Pr > t | <.0001 | |
| Sign | М | 278 | Pr >= M | <.0001 | |
| Signed Rank | S | 77423 | Pr >= S | <.0001 | |

| Quantiles (Definition 5) | | |
|--------------------------|----------|--|
| Level | Quantile | |
| 100% Max | 1 | |
| 99% | 1 | |
| 95% | 1 | |
| 90% | 1 | |
| 75% Q3 | 1 | |
| 50% Median | 0 | |
| 25% Q1 | 0 | |
| 10% | 0 | |
| 5% | 0 | |
| 1% | 0 | |
| 0% Min | 0 | |

The UNIVARIATE Procedure Variable: Complaint

| Extreme Observations | | | |
|----------------------|------|-------|------|
| Low | est | High | est |
| Value | Obs | Value | Obs |
| 0 | 1923 | 1 | 1908 |
| 0 | 1922 | 1 | 1916 |
| 0 | 1920 | 1 | 1919 |
| 0 | 1918 | 1 | 1921 |
| 0 | 1917 | 1 | 1924 |



The UNIVARIATE Procedure Variable: YTD_contact_cnt

| Moments | | | | |
|-----------------------|------------|------------------|------------|--|
| N | 1924 | 1924 Sum Weights | | |
| Mean | 20.6647609 | Sum Observations | 39759 | |
| Std Deviation | 3.62567051 | Variance | 13.1454866 | |
| Skewness | 0.816984 | Kurtosis | -0.2429293 | |
| Uncorrected SS 846889 | | Corrected SS | 25278.7708 | |
| Coeff Variation | 17.5451849 | Std Error Mean | 0.08265817 | |

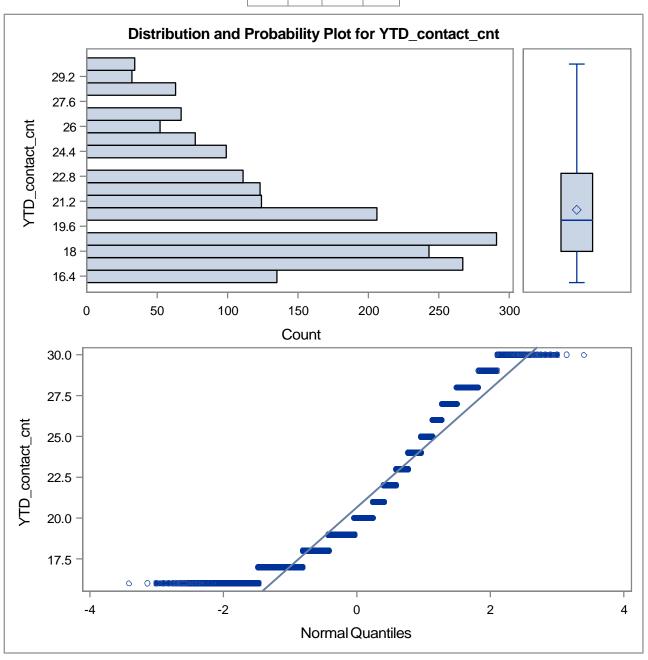
| | Basic Statistical Measures | | | |
|----------------------|----------------------------|---------------------|----------|--|
| Location Variability | | | | |
| Mean | 20.66476 | Std Deviation | 3.62567 | |
| Median | 20.00000 | Variance | 13.14549 | |
| Mode | 19.00000 | Range | 14.00000 | |
| | | Interquartile Range | 5.00000 | |

| Tests for Location: Mu0=0 | | | | |
|---------------------------|-----------|----------|----------|--------|
| Test | Statistic | | p Val | ue |
| Student's t | t | 250.0026 | Pr > t | <.0001 |
| Sign | М | 962 | Pr >= M | <.0001 |
| Signed Rank | S | 925925 | Pr >= S | <.0001 |

| Quantiles (Definition 5) | |
|--------------------------|----------|
| Level | Quantile |
| 100% Max | 30 |
| 99% | 30 |
| 95% | 28 |
| 90% | 27 |
| 75% Q3 | 23 |
| 50% Median | 20 |
| 25% Q1 | 18 |
| 10% | 17 |
| 5% | 16 |
| 1% | 16 |
| 0% Min | 16 |

The UNIVARIATE Procedure Variable: YTD_contact_cnt

| Extreme Observations | | | |
|----------------------|-----|---------|------|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 16 | 961 | 30 | 1786 |
| 16 | 947 | 30 | 1828 |
| 16 | 945 | 30 | 1829 |
| 16 | 943 | 30 | 1879 |
| 16 | 931 | 30 | 1897 |



The UNIVARIATE Procedure Variable: Due_date_day_cnt

| Moments | | | | |
|-----------------|------------|------------------|------------|--|
| N | 1924 | Sum Weights | 1924 | |
| Mean | 11.6294179 | Sum Observations | 22375 | |
| Std Deviation | 7.50221929 | Variance | 56.2832943 | |
| Skewness | 1.01834248 | Kurtosis | 0.55871112 | |
| Uncorrected SS | 368441 | Corrected SS | 108232.775 | |
| Coeff Variation | 64.5107035 | Std Error Mean | 0.17103588 | |

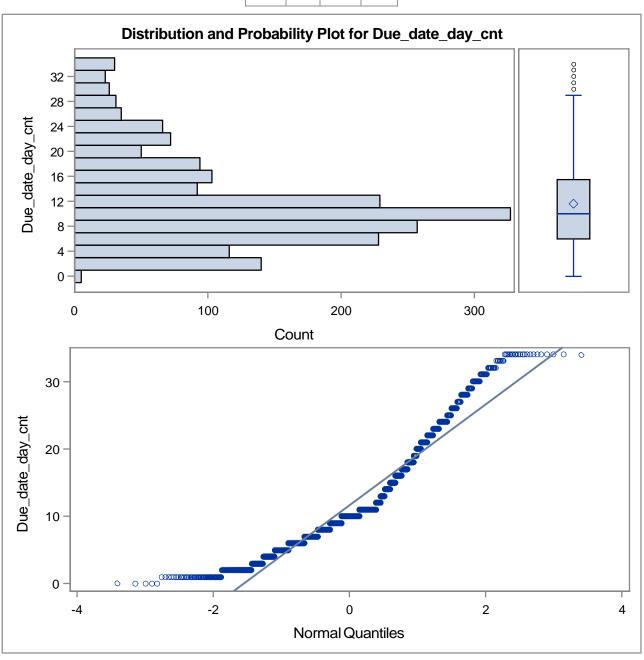
| | Basic Statistical Measures | | | |
|----------------------|----------------------------|---------------------|----------|--|
| Location Variability | | | | |
| Mean | 11.62942 | Std Deviation | 7.50222 | |
| Median | 10.00000 | Variance | 56.28329 | |
| Mode | 10.00000 | Range | 34.00000 | |
| | | Interquartile Range | 9.50000 | |

| Tests for Location: Mu0=0 | | | | |
|---------------------------|-----------|----------|----------|--------|
| Test | Statistic | | p Val | lue |
| Student's t | t | 67.99403 | Pr > t | <.0001 |
| Sign | М | 959.5 | Pr >= M | <.0001 |
| Signed Rank | S | 921120 | Pr >= S | <.0001 |

| Quantiles (Definition 5) | |
|--------------------------|----------|
| Level | Quantile |
| 100% Max | 34.0 |
| 99% | 34.0 |
| 95% | 28.0 |
| 90% | 23.0 |
| 75% Q3 | 15.5 |
| 50% Median | 10.0 |
| 25% Q1 | 6.0 |
| 10% | 3.0 |
| 5% | 2.0 |
| 1% | 1.0 |
| 0% Min | 0.0 |

The UNIVARIATE Procedure Variable: Due_date_day_cnt

| Extreme Observations | | | |
|----------------------|--------|-------|------|
| Low | Lowest | | nest |
| Value | Obs | Value | Obs |
| 0 | 732 | 34 | 1625 |
| 0 | 598 | 34 | 1655 |
| 0 | 595 | 34 | 1746 |
| 0 | 241 | 34 | 1805 |
| 0 | 141 | 34 | 1870 |



The UNIVARIATE Procedure Variable: Existing_policy_count

| Moments | | | | |
|-----------------|------------|------------------|------------|--|
| N | 1924 | Sum Weights | 1924 | |
| Mean | 8.09303534 | Sum Observations | 15571 | |
| Std Deviation | 4.32748996 | Variance | 18.7271694 | |
| Skewness | -0.0334004 | Kurtosis | -1.1849708 | |
| Uncorrected SS | 162029 | Corrected SS | 36012.3467 | |
| Coeff Variation | 53.4717788 | Std Error Mean | 0.09865828 | |

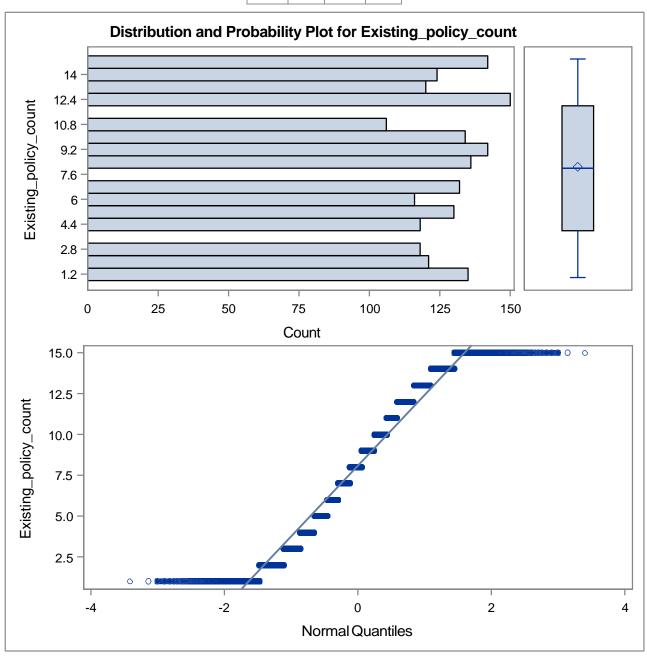
| | Basic Statistical Measures | | | |
|----------------------|----------------------------|---------------------|----------|--|
| Location Variability | | | | |
| Mean | 8.09304 | Std Deviation | 4.32749 | |
| Median | 8.00000 | Variance | 18.72717 | |
| Mode | 12.00000 | Range | 14.00000 | |
| | | Interquartile Range | 8.00000 | |

| Tests for Location: Mu0=0 | | | | |
|---------------------------|-----------|----------|----------|--------|
| Test | Statistic | | p Val | ue |
| Student's t | t | 82.03098 | Pr > t | <.0001 |
| Sign | М | 962 | Pr >= M | <.0001 |
| Signed Rank | S | 925925 | Pr >= S | <.0001 |

| Quantiles (Definition 5) | |
|--------------------------|----------|
| Level | Quantile |
| 100% Max | 15 |
| 99% | 15 |
| 95% | 15 |
| 90% | 14 |
| 75% Q3 | 12 |
| 50% Median | 8 |
| 25% Q1 | 4 |
| 10% | 2 |
| 5% | 1 |
| 1% | 1 |
| 0% Min | 1 |

The UNIVARIATE Procedure Variable: Existing_policy_count

| Extreme Observations | | | |
|----------------------|-----------------|---------|------|
| Lowest | | Highest | |
| Value | Value Obs Value | | Obs |
| 1 | 1905 | 15 | 1868 |
| 1 | 1897 | 15 | 1869 |
| 1 | 1864 | 15 | 1876 |
| 1 | 1857 | 15 | 1889 |
| 1 | 1856 | 15 | 1906 |



The UNIVARIATE Procedure Variable: Miss_due_date_cnt

| Moments | | | |
|-----------------|------------|------------------|------------|
| N | 1924 | Sum Weights | 1924 |
| Mean | 1.8004158 | Sum Observations | 3464 |
| Std Deviation | 2.25117519 | Variance | 5.06778974 |
| Skewness | 2.09467831 | Kurtosis | 4.07297366 |
| Uncorrected SS | 15982 | Corrected SS | 9745.35967 |
| Coeff Variation | 125.036405 | Std Error Mean | 0.05132238 |

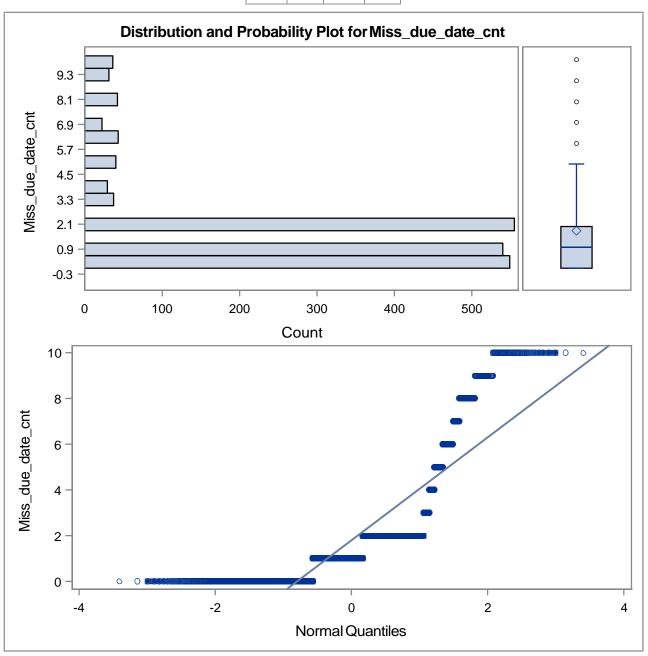
| | Basic Statistical Measures | | | |
|--------|----------------------------|---------------------|----------|--|
| Loc | Location Variability | | | |
| Mean | 1.800416 | Std Deviation | 2.25118 | |
| Median | 1.000000 | Variance | 5.06779 | |
| Mode | 2.000000 | Range | 10.00000 | |
| | | Interquartile Range | 2.00000 | |

| Tests for Location: Mu0=0 | | | | |
|---------------------------|-------------------|----------|----------|--------|
| Test | Statistic p Value | | | |
| Student's t | t | 35.08052 | Pr > t | <.0001 |
| Sign | М | 687.5 | Pr >= M | <.0001 |
| Signed Rank | S | 473000 | Pr >= S | <.0001 |

| Quantiles (Definition 5) | | |
|--------------------------|----------|--|
| Level | Quantile | |
| 100% Max | 10 | |
| 99% | 10 | |
| 95% | 8 | |
| 90% | 5 | |
| 75% Q3 | 2 | |
| 50% Median | 1 | |
| 25% Q1 | 0 | |
| 10% | 0 | |
| 5% | 0 | |
| 1% | 0 | |
| 0% Min | 0 | |

The UNIVARIATE Procedure Variable: Miss_due_date_cnt

| Extreme Observations | | | |
|----------------------|------|---------|------|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 0 | 1923 | 10 | 1781 |
| 0 | 1920 | 10 | 1797 |
| 0 | 1918 | 10 | 1873 |
| 0 | 1917 | 10 | 1879 |
| 0 | 1916 | 10 | 1913 |



| Age | Frequency | Percent |
|-----|-----------|---------|
| 21 | 17 | 0.88 |
| 22 | 12 | 0.62 |
| 23 | 15 | 0.78 |
| 24 | 16 | 0.83 |
| 25 | 20 | 1.04 |
| 26 | 7 | 0.36 |
| 27 | 21 | 1.09 |
| 28 | 14 | 0.73 |
| 29 | 19 | 0.99 |
| 30 | 68 | 3.53 |
| 31 | 72 | 3.74 |
| 32 | 68 | 3.53 |
| 33 | 72 | 3.74 |
| 34 | 66 | 3.43 |
| 35 | 48 | 2.49 |
| 36 | 70 | 3.64 |
| 37 | 68 | 3.53 |
| 38 | 78 | 4.05 |
| 39 | 56 | 2.91 |
| 40 | 69 | 3.59 |
| 41 | 50 | 2.60 |
| 42 | 40 | 2.08 |
| 43 | 57 | 2.96 |
| 44 | 60 | 3.12 |
| 45 | 66 | 3.43 |
| 46 | 67 | 3.48 |
| 47 | 55 | 2.86 |
| 48 | 48 | 2.49 |
| 49 | 62 | 3.22 |
| 50 | 43 | 2.23 |
| 51 | 46 | 2.39 |
| 52 | 51 | 2.65 |
| 53 | 50 | 2.60 |
| 54 | 47 | 2.44 |
| 55 | 48 | 2.49 |
| 56 | 48 | 2.49 |
| 57 | 48 | 2.49 |
| | | |

| Age | Frequency | Percent |
|-----|-----------|---------|
| 58 | 47 | 2.44 |
| 59 | 51 | 2.65 |
| 60 | 64 | 3.33 |

| Cust_Tenure | Frequency | Percent |
|-------------|-----------|---------|
| 1 | 41 | 2.13 |
| 2 | 32 | 1.66 |
| 3 | 105 | 5.46 |
| 4 | 97 | 5.04 |
| 5 | 83 | 4.31 |
| 6 | 110 | 5.72 |
| 7 | 102 | 5.30 |
| 8 | 115 | 5.98 |
| 9 | 95 | 4.94 |
| 10 | 90 | 4.68 |
| 11 | 75 | 3.90 |
| 12 | 62 | 3.22 |
| 13 | 69 | 3.59 |
| 14 | 63 | 3.27 |
| 15 | 73 | 3.79 |
| 16 | 76 | 3.95 |
| 17 | 67 | 3.48 |
| 18 | 79 | 4.11 |
| 19 | 66 | 3.43 |
| 20 | 48 | 2.49 |
| 21 | 79 | 4.11 |
| 22 | 76 | 3.95 |
| 23 | 76 | 3.95 |
| 24 | 74 | 3.85 |
| 25 | 71 | 3.69 |

| Overall_cust_satisfation_score | Frequency | Percent |
|--------------------------------|-----------|---------|
| 1 | 71 | 3.69 |
| 2 | 464 | 24.12 |
| 3 | 455 | 23.65 |

| Overall_cust_satisfation_score | Frequency | Percent |
|--------------------------------|-----------|---------|
| 4 | 501 | 26.04 |
| 5 | 433 | 22.51 |

| Cust_Income | Frequency | Percent |
|-------------|-----------|---------|
| 16009 | 1 | 0.05 |
| 16051 | 2 | 0.10 |
| 16091 | 1 | 0.05 |
| 16102 | 1 | 0.05 |
| 16129 | 1 | 0.05 |
| 16200 | 1 | 0.05 |
| 16223 | 1 | 0.05 |
| 16261 | 1 | 0.05 |
| 16281 | 1 | 0.05 |
| 16393 | 1 | 0.05 |
| 16416 | 1 | 0.05 |
| 16420 | 1 | 0.05 |
| 16483 | 1 | 0.05 |
| 16555 | 1 | 0.05 |
| 16790 | 1 | 0.05 |
| 16859 | 1 | 0.05 |
| 16878 | 1 | 0.05 |
| 17001 | 2 | 0.10 |
| 17007 | 1 | 0.05 |
| 17009 | 1 | 0.05 |
| 17011 | 1 | 0.05 |
| 17013 | 1 | 0.05 |
| 17014 | 1 | 0.05 |
| 17018 | 1 | 0.05 |
| 17028 | 2 | 0.10 |
| 17033 | 1 | 0.05 |
| 17042 | 1 | 0.05 |
| 17044 | 1 | 0.05 |
| 17045 | 1 | 0.05 |
| 17052 | 2 | 0.10 |
| 17058 | 1 | 0.05 |
| 17064 | 1 | 0.05 |
| 17066 | 1 | 0.05 |
| 17073 | 1 | 0.05 |
| 17074 | 2 | 0.10 |
| 17075 | 1 | 0.05 |
| 17081 | 2 | 0.10 |

| Cust_Income | Frequency | Percent |
|-------------|-----------|---------|
| 17083 | 1 | 0.05 |
| 17091 | 1 | 0.05 |
| 17096 | 1 | 0.05 |
| 17099 | 1 | 0.05 |
| 17102 | 2 | 0.10 |
| 17109 | 2 | 0.10 |
| 17115 | 1 | 0.05 |
| 17118 | 1 | 0.05 |
| 17121 | 1 | 0.05 |
| 17127 | 2 | 0.10 |
| 17129 | 2 | 0.10 |
| 17132 | 1 | 0.05 |
| 17145 | 2 | 0.10 |
| 17153 | 1 | 0.05 |
| 17157 | 1 | 0.05 |
| 17166 | 1 | 0.05 |
| 17174 | 1 | 0.05 |
| 17177 | 4 | 0.21 |
| 17194 | 1 | 0.05 |
| 17200 | 1 | 0.05 |
| 17201 | 1 | 0.05 |
| 17210 | 1 | 0.05 |
| 17216 | 1 | 0.05 |
| 17218 | 1 | 0.05 |
| 17223 | 1 | 0.05 |
| 17231 | 1 | 0.05 |
| 17232 | 2 | 0.10 |
| 17238 | 1 | 0.05 |
| 17244 | 1 | 0.05 |
| 17258 | 3 | 0.16 |
| 17261 | 1 | 0.05 |
| 17269 | 1 | 0.05 |
| 17274 | 1 | 0.05 |
| 17275 | 2 | 0.10 |
| 17277 | 2 | 0.10 |
| 17281 | 2 | 0.10 |
| 17288 | 1 | 0.05 |
| | | |

| 17289 1 0.05 17296 2 0.10 17302 1 0.05 17305 1 0.05 17307 2 0.10 17311 1 0.05 17313 2 0.10 17314 1 0.05 17318 1 0.05 17323 3 0.16 17326 1 0.05 17328 1 0.05 17329 1 0.05 17339 2 0.10 17340 1 0.05 17341 1 0.05 17342 4 0.21 17345 1 0.05 17351 1 0.05 17356 1 0.05 17362 2 0.10 17366 2 0.10 17377 1 0.05 17379 1 0.05 17379 1 | Cust_Income | Frequency | Percent |
|---|-------------|-----------|---------|
| 17297 2 0.10 17302 1 0.05 17305 1 0.05 17307 2 0.10 17311 1 0.05 17313 2 0.10 17314 1 0.05 17318 1 0.05 17323 3 0.16 17326 1 0.05 17328 1 0.05 17329 1 0.05 17339 2 0.10 17340 1 0.05 17341 1 0.05 17342 4 0.21 17345 1 0.05 17345 1 0.05 17356 1 0.05 17362 2 0.10 17363 1 0.05 17370 2 0.10 17373 1 0.05 17373 1 0.05 17379 1 | 17289 | 1 | 0.05 |
| 17302 1 0.05 17307 2 0.10 17311 1 0.05 17313 2 0.10 17314 1 0.05 17318 1 0.05 17323 3 0.16 17326 1 0.05 17328 1 0.05 17329 1 0.05 17340 1 0.05 17341 1 0.05 17342 4 0.21 17345 1 0.05 17351 1 0.05 17352 2 0.10 17356 1 0.05 17362 2 0.10 17363 1 0.05 17370 2 0.10 17371 1 0.05 17372 1 0.05 17373 1 0.05 17379 1 0.05 17380 2 0.10 17384 2 0.10 17394 | 17296 | 2 | 0.10 |
| 17305 1 0.05 17307 2 0.10 17311 1 0.05 17313 2 0.10 17314 1 0.05 17318 1 0.05 17323 3 0.16 17326 1 0.05 17328 1 0.05 17329 1 0.05 17340 1 0.05 17341 1 0.05 17342 4 0.21 17345 1 0.05 17351 1 0.05 17352 2 0.10 17362 2 0.10 17363 1 0.05 17364 2 0.10 17375 1 0.05 17377 1 0.05 17379 1 0.05 17380 2 0.10 17387 1 0.05 17389 1 | 17297 | 2 | 0.10 |
| 17307 2 0.10 17311 1 0.05 17313 2 0.10 17314 1 0.05 17318 1 0.05 17323 3 0.16 17326 1 0.05 17328 1 0.05 17329 1 0.05 17340 1 0.05 17341 1 0.05 17342 4 0.21 17345 1 0.05 17351 1 0.05 17352 2 0.10 17362 2 0.10 17363 1 0.05 17364 2 0.10 17375 1 0.05 17377 1 0.05 17379 1 0.05 17389 1 0.05 17389 1 0.05 17389 1 0.05 17394 2 | 17302 | 1 | 0.05 |
| 17311 1 0.05 17313 2 0.10 17314 1 0.05 17318 1 0.05 17323 3 0.16 17326 1 0.05 17328 1 0.05 17329 1 0.05 17339 2 0.10 17340 1 0.05 17341 1 0.05 17342 4 0.21 17345 1 0.05 17351 1 0.05 17356 1 0.05 17362 2 0.10 17363 2 0.10 17370 2 0.10 17372 1 0.05 17373 1 0.05 17377 1 0.05 17380 2 0.10 17387 1 0.05 17389 1 0.05 17394 2 0.10 17406 2 0.10 17413 | 17305 | 1 | 0.05 |
| 17313 2 0.10 17314 1 0.05 17318 1 0.05 17323 3 0.16 17326 1 0.05 17328 1 0.05 17329 1 0.05 17339 2 0.10 17341 1 0.05 17342 4 0.21 17345 1 0.05 17351 1 0.05 17356 1 0.05 17362 2 0.10 17363 2 0.10 17370 2 0.10 17372 1 0.05 17373 1 0.05 17377 1 0.05 17380 2 0.10 17387 1 0.05 17389 1 0.05 17394 2 0.10 17406 2 0.10 17406 2 0.10 17406 2 0.10 1740 | 17307 | 2 | 0.10 |
| 17314 1 0.05 17318 1 0.05 17323 3 0.16 17326 1 0.05 17328 1 0.05 17329 1 0.05 17339 2 0.10 17340 1 0.05 17341 1 0.05 17342 4 0.21 17345 1 0.05 17351 1 0.05 17356 1 0.05 17362 2 0.10 17363 2 0.10 17370 2 0.10 17373 1 0.05 17373 1 0.05 17379 1 0.05 17380 2 0.10 17387 1 0.05 17389 1 0.05 17394 2 0.10 17404 2 0.10 17406 2 0.10 17413 1 0.05 | 17311 | 1 | 0.05 |
| 17318 1 0.05 17323 3 0.16 17326 1 0.05 17328 1 0.05 17329 1 0.05 17339 2 0.10 17341 1 0.05 17342 4 0.21 17345 1 0.05 17356 1 0.05 17362 2 0.10 17366 2 0.10 17370 2 0.10 17372 1 0.05 17373 1 0.05 17377 1 0.05 17379 1 0.05 17380 2 0.10 17381 1 0.05 17382 1 0.05 17383 1 0.05 17394 2 0.10 17404 2 0.10 17404 2 0.10 17413 1 0.05 | 17313 | 2 | 0.10 |
| 17323 3 0.16 17326 1 0.05 17328 1 0.05 17329 1 0.05 17339 2 0.10 17340 1 0.05 17341 1 0.05 17342 4 0.21 17345 1 0.05 17351 1 0.05 17356 1 0.05 17362 2 0.10 17363 2 0.10 17370 2 0.10 17372 1 0.05 17373 1 0.05 17377 1 0.05 17380 2 0.10 17387 1 0.05 17389 1 0.05 17394 2 0.10 17404 2 0.10 17406 2 0.10 17413 1 0.05 | 17314 | 1 | 0.05 |
| 17326 1 0.05 17328 1 0.05 17329 1 0.05 17339 2 0.10 17340 1 0.05 17341 1 0.05 17342 4 0.21 17345 1 0.05 17351 1 0.05 17356 1 0.05 17362 2 0.10 17366 2 0.10 17370 2 0.10 17372 1 0.05 17373 1 0.05 17377 1 0.05 17380 2 0.10 17387 1 0.05 17389 1 0.05 17394 2 0.10 17406 2 0.10 17413 1 0.05 | 17318 | 1 | 0.05 |
| 17328 1 0.05 17329 1 0.05 17339 2 0.10 17340 1 0.05 17341 1 0.05 17342 4 0.21 17345 1 0.05 17351 1 0.05 17362 2 0.10 17363 2 0.10 17364 2 0.10 17370 2 0.10 17372 1 0.05 17373 1 0.05 17379 1 0.05 17380 2 0.10 17387 1 0.05 17389 1 0.05 17394 2 0.10 17404 2 0.10 17413 1 0.05 | 17323 | 3 | 0.16 |
| 17329 1 0.05 17339 2 0.10 17340 1 0.05 17341 1 0.05 17342 4 0.21 17345 1 0.05 17351 1 0.05 17362 2 0.10 17366 2 0.10 17370 2 0.10 17372 1 0.05 17373 1 0.05 17377 1 0.05 17380 2 0.10 17387 1 0.05 17389 1 0.05 17394 2 0.10 17404 2 0.10 17406 2 0.10 17413 1 0.05 | 17326 | 1 | 0.05 |
| 17339 2 0.10 17340 1 0.05 17341 1 0.05 17342 4 0.21 17345 1 0.05 17351 1 0.05 17356 1 0.05 17362 2 0.10 17366 2 0.10 17370 2 0.10 17372 1 0.05 17373 1 0.05 17377 1 0.05 17380 2 0.10 17387 1 0.05 17389 1 0.05 17394 2 0.10 17404 2 0.10 17406 2 0.10 17413 1 0.05 | 17328 | 1 | 0.05 |
| 17340 1 0.05 17341 1 0.05 17342 4 0.21 17345 1 0.05 17351 1 0.05 17356 1 0.05 17362 2 0.10 17367 1 0.05 17370 2 0.10 17372 1 0.05 17373 1 0.05 17377 1 0.05 17380 2 0.10 17387 1 0.05 17389 1 0.05 17394 2 0.10 17404 2 0.10 17406 2 0.10 17413 1 0.05 | 17329 | 1 | 0.05 |
| 17341 1 0.05 17342 4 0.21 17345 1 0.05 17351 1 0.05 17356 1 0.05 17362 2 0.10 17366 2 0.10 17370 2 0.10 17372 1 0.05 17373 1 0.05 17377 1 0.05 17380 2 0.10 17387 1 0.05 17389 1 0.05 17394 2 0.10 17404 2 0.10 17406 2 0.10 17413 1 0.05 | 17339 | 2 | 0.10 |
| 17342 4 0.21 17345 1 0.05 17351 1 0.05 17356 1 0.05 17362 2 0.10 17366 2 0.10 17370 2 0.10 17372 1 0.05 17373 1 0.05 17379 1 0.05 17380 2 0.10 17387 1 0.05 17389 1 0.05 17394 2 0.10 17404 2 0.10 17406 2 0.10 17413 1 0.05 | 17340 | 1 | 0.05 |
| 17345 1 0.05 17351 1 0.05 17356 1 0.05 17362 2 0.10 17366 2 0.10 17370 2 0.10 17372 1 0.05 17373 1 0.05 17377 1 0.05 17380 2 0.10 17387 1 0.05 17389 1 0.05 17394 2 0.10 17404 2 0.10 17406 2 0.10 17413 1 0.05 | 17341 | 1 | 0.05 |
| 17351 1 0.05 17366 1 0.05 17362 2 0.10 17366 2 0.10 17370 2 0.10 17372 1 0.05 17373 1 0.05 17379 1 0.05 17380 2 0.10 17387 1 0.05 17389 1 0.05 17394 2 0.10 17404 2 0.10 17406 2 0.10 17413 1 0.05 | 17342 | 4 | 0.21 |
| 17356 1 0.05 17362 2 0.10 17366 2 0.10 17370 2 0.10 17372 1 0.05 17373 1 0.05 17379 1 0.05 17380 2 0.10 17387 1 0.05 17389 1 0.05 17394 2 0.10 17404 2 0.10 17406 2 0.10 17413 1 0.05 | 17345 | 1 | 0.05 |
| 17362 2 0.10 17366 2 0.10 17367 1 0.05 17370 2 0.10 17372 1 0.05 17373 1 0.05 17379 1 0.05 17380 2 0.10 17387 1 0.05 17389 1 0.05 17394 2 0.10 17404 2 0.10 17406 2 0.10 17413 1 0.05 | 17351 | 1 | 0.05 |
| 17366 2 0.10 17367 1 0.05 17370 2 0.10 17372 1 0.05 17373 1 0.05 17379 1 0.05 17380 2 0.10 17387 1 0.05 17389 1 0.05 17394 2 0.10 17404 2 0.10 17406 2 0.10 17413 1 0.05 | 17356 | 1 | 0.05 |
| 17367 1 0.05 17370 2 0.10 17372 1 0.05 17373 1 0.05 17377 1 0.05 17379 1 0.05 17380 2 0.10 17387 1 0.05 17389 1 0.05 17394 2 0.10 17404 2 0.10 17406 2 0.10 17413 1 0.05 | 17362 | 2 | 0.10 |
| 17370 2 0.10 17372 1 0.05 17373 1 0.05 17377 1 0.05 17379 1 0.05 17380 2 0.10 17387 1 0.05 17389 1 0.05 17394 2 0.10 17404 2 0.10 17406 2 0.10 17413 1 0.05 | 17366 | 2 | 0.10 |
| 17372 1 0.05 17373 1 0.05 17377 1 0.05 17379 1 0.05 17380 2 0.10 17387 1 0.05 17389 1 0.05 17394 2 0.10 17404 2 0.10 17406 2 0.10 17413 1 0.05 | 17367 | 1 | 0.05 |
| 17373 1 0.05 17377 1 0.05 17379 1 0.05 17380 2 0.10 17387 1 0.05 17389 1 0.05 17394 2 0.10 17404 2 0.10 17406 2 0.10 17413 1 0.05 | 17370 | 2 | 0.10 |
| 17377 1 0.05 17379 1 0.05 17380 2 0.10 17387 1 0.05 17389 1 0.05 17394 2 0.10 17404 2 0.10 17406 2 0.10 17413 1 0.05 | 17372 | 1 | 0.05 |
| 17379 1 0.05 17380 2 0.10 17387 1 0.05 17389 1 0.05 17394 2 0.10 17404 2 0.10 17406 2 0.10 17413 1 0.05 | 17373 | 1 | 0.05 |
| 17380 2 0.10 17387 1 0.05 17389 1 0.05 17394 2 0.10 17404 2 0.10 17406 2 0.10 17413 1 0.05 | 17377 | 1 | 0.05 |
| 17387 1 0.05 17389 1 0.05 17394 2 0.10 17404 2 0.10 17406 2 0.10 17413 1 0.05 | 17379 | 1 | 0.05 |
| 17389 1 0.05 17394 2 0.10 17404 2 0.10 17406 2 0.10 17413 1 0.05 | 17380 | 2 | 0.10 |
| 17394 2 0.10 17404 2 0.10 17406 2 0.10 17413 1 0.05 | 17387 | 1 | 0.05 |
| 17404 2 0.10 17406 2 0.10 17413 1 0.05 | 17389 | 1 | 0.05 |
| 17406 2 0.10 17413 1 0.05 | 17394 | 2 | 0.10 |
| 17413 1 0.05 | 17404 | 2 | 0.10 |
| | 17406 | 2 | 0.10 |
| 17416 1 0.05 | 17413 | 1 | 0.05 |
| | 17416 | 1 | 0.05 |

| 17422 1 0.05 17430 1 0.05 17432 2 0.10 17436 1 0.05 17440 2 0.10 17451 3 0.16 17461 1 0.05 17468 2 0.10 17514 3 0.16 17515 2 0.10 17516 2 0.10 17532 1 0.05 17539 1 0.05 17539 1 0.05 17552 1 0.05 17559 2 0.10 17564 2 0.10 17565 1 0.05 17570 1 0.05 17571 1 0.05 17572 1 0.05 17580 1 0.05 17585 1 0.05 17587 1 0.05 17600 2 0.10 17610 1 0.05 17611 | Cust_Income | Frequency | Percent |
|---|-------------|-----------|---------|
| 17430 1 0.05 17432 2 0.10 17436 1 0.05 17440 2 0.10 17451 3 0.16 17461 1 0.05 17468 2 0.10 17514 3 0.16 17515 2 0.10 17523 1 0.05 17532 1 0.05 17539 1 0.05 17546 2 0.10 17552 1 0.05 17559 2 0.10 17564 2 0.10 17569 1 0.05 17570 1 0.05 17571 1 0.05 17572 1 0.05 17580 1 0.05 17585 1 0.05 17587 1 0.05 17600 2 0.10 17610 1 0.05 17611 1 0.05 | 17420 | 1 | 0.05 |
| 17432 2 0.10 17436 1 0.05 17440 2 0.10 17451 3 0.16 17461 1 0.05 17468 2 0.10 17472 1 0.05 17514 3 0.16 17515 2 0.10 17523 1 0.05 17532 1 0.05 17539 1 0.05 17552 1 0.05 17559 2 0.10 17564 2 0.10 17569 1 0.05 17570 1 0.05 17571 1 0.05 17572 1 0.05 17576 1 0.05 17585 1 0.05 17587 1 0.05 17600 2 0.10 17610 1 0.05 17611 1 0.05 | 17422 | 1 | 0.05 |
| 17436 1 0.05 17440 2 0.10 17451 3 0.16 17461 1 0.05 17468 2 0.10 17472 1 0.05 17514 3 0.16 17515 2 0.10 17523 1 0.05 17532 1 0.05 17539 1 0.05 17546 2 0.10 17552 1 0.05 17559 2 0.10 17564 2 0.10 17565 1 0.05 17570 1 0.05 17571 1 0.05 17572 1 0.05 17576 1 0.05 17580 1 0.05 17587 1 0.05 17587 1 0.05 17601 1 0.05 17611 1 0.05 | 17430 | 1 | 0.05 |
| 17440 2 0.16 17451 3 0.16 17461 1 0.05 17468 2 0.16 17472 1 0.05 17514 3 0.16 17515 2 0.10 17523 1 0.05 17532 1 0.05 17539 1 0.05 17552 1 0.05 17559 2 0.10 17564 2 0.10 17569 1 0.05 17570 1 0.05 17571 1 0.05 17572 1 0.05 17580 1 0.05 17585 1 0.05 17587 1 0.05 17601 1 0.05 17601 1 0.05 17611 1 0.05 | 17432 | 2 | 0.10 |
| 17451 3 0.16 17461 1 0.05 17468 2 0.10 17472 1 0.05 17514 3 0.16 17515 2 0.10 17523 1 0.05 17532 1 0.05 17539 1 0.05 17552 1 0.05 17559 2 0.10 17564 2 0.10 17565 1 0.05 17569 1 0.05 17570 1 0.05 17572 1 0.05 17575 1 0.05 17580 1 0.05 17585 1 0.05 17587 1 0.05 17601 1 0.05 17610 1 0.05 17611 1 0.05 | 17436 | 1 | 0.05 |
| 17461 1 0.05 17468 2 0.10 17472 1 0.05 17514 3 0.16 17515 2 0.10 17523 1 0.05 17539 1 0.05 17539 1 0.05 17552 1 0.05 17559 2 0.10 17564 2 0.10 17565 1 0.05 17569 1 0.05 17570 1 0.05 17571 1 0.05 17572 1 0.05 17580 1 0.05 17585 1 0.05 17587 1 0.05 17600 2 0.10 17610 1 0.05 17611 1 0.05 | 17440 | 2 | 0.10 |
| 17468 2 0.10 17472 1 0.05 17514 3 0.16 17515 2 0.10 17523 1 0.05 17532 1 0.05 17539 1 0.05 17546 2 0.10 17552 1 0.05 17559 2 0.10 17564 2 0.10 17565 1 0.05 17570 1 0.05 17571 1 0.05 17572 1 0.05 17576 1 0.05 17585 1 0.05 17587 1 0.05 17600 2 0.10 17601 1 0.05 17611 1 0.05 | 17451 | 3 | 0.16 |
| 17472 1 0.05 17514 3 0.16 17515 2 0.10 17523 1 0.05 17532 1 0.05 17539 1 0.05 17546 2 0.10 17552 1 0.05 17559 2 0.10 17564 2 0.10 17565 1 0.05 17570 1 0.05 17571 1 0.05 17572 1 0.05 17580 1 0.05 17585 1 0.05 17587 1 0.05 17600 2 0.10 17610 1 0.05 17611 1 0.05 | 17461 | 1 | 0.05 |
| 17514 3 0.16 17515 2 0.10 17523 1 0.05 17532 1 0.05 17539 1 0.05 17546 2 0.10 17552 1 0.05 17559 2 0.10 17564 2 0.10 17565 1 0.05 17570 1 0.05 17571 1 0.05 17572 1 0.05 17580 1 0.05 17585 1 0.05 17587 1 0.05 17600 2 0.10 17611 1 0.05 17611 1 0.05 | 17468 | 2 | 0.10 |
| 17515 2 0.10 17523 1 0.05 17532 1 0.05 17539 1 0.05 17546 2 0.10 17552 1 0.05 17559 2 0.10 17564 2 0.10 17569 1 0.05 17570 1 0.05 17571 1 0.05 17572 1 0.05 17576 1 0.05 17580 1 0.05 17585 1 0.05 17587 1 0.05 17600 2 0.10 17610 1 0.05 17611 1 0.05 | 17472 | 1 | 0.05 |
| 17523 1 0.05 17532 1 0.05 17539 1 0.05 17546 2 0.10 17552 1 0.05 17559 2 0.10 17564 2 0.10 17565 1 0.05 17570 1 0.05 17571 1 0.05 17572 1 0.05 17576 1 0.05 17580 1 0.05 17585 1 0.05 17587 1 0.05 17600 2 0.10 17601 1 0.05 17610 1 0.05 17611 1 0.05 | 17514 | 3 | 0.16 |
| 17532 1 0.05 17539 1 0.05 17546 2 0.10 17552 1 0.05 17559 2 0.10 17564 2 0.10 17569 1 0.05 17570 1 0.05 17571 1 0.05 17572 1 0.05 17576 1 0.05 17580 1 0.05 17585 1 0.05 17587 1 0.05 17600 2 0.10 17610 1 0.05 17611 1 0.05 | 17515 | 2 | 0.10 |
| 17539 1 0.05 17546 2 0.10 17552 1 0.05 17559 2 0.10 17564 2 0.10 17566 1 0.05 17570 1 0.05 17571 1 0.05 17572 1 0.05 17576 1 0.05 17580 1 0.05 17585 1 0.05 17600 2 0.10 17601 1 0.05 17610 1 0.05 17611 1 0.05 | 17523 | 1 | 0.05 |
| 17546 2 0.10 17552 1 0.05 17559 2 0.10 17564 2 0.10 17566 1 0.05 17570 1 0.05 17571 1 0.05 17572 1 0.05 17576 1 0.05 17580 1 0.05 17585 1 0.05 17600 2 0.10 17601 1 0.05 17610 1 0.05 17611 1 0.05 | 17532 | 1 | 0.05 |
| 17552 1 0.05 17559 2 0.10 17564 2 0.10 17566 1 0.05 17569 1 0.05 17570 1 0.05 17571 1 0.05 17572 1 0.05 17576 1 0.05 17580 1 0.05 17585 1 0.05 17600 2 0.10 17601 1 0.05 17610 1 0.05 17611 1 0.05 | 17539 | 1 | 0.05 |
| 17559 2 0.10 17564 2 0.10 17566 1 0.05 17569 1 0.05 17570 1 0.05 17571 1 0.05 17572 1 0.05 17576 1 0.05 17580 1 0.05 17587 1 0.05 17600 2 0.10 17610 1 0.05 17611 1 0.05 | 17546 | 2 | 0.10 |
| 17564 2 0.10 17566 1 0.05 17569 1 0.05 17570 1 0.05 17571 1 0.05 17572 1 0.05 17576 1 0.05 17580 1 0.05 17587 1 0.05 17600 2 0.10 17601 1 0.05 17610 1 0.05 17611 1 0.05 | 17552 | 1 | 0.05 |
| 17566 1 0.05 17569 1 0.05 17570 1 0.05 17571 1 0.05 17572 1 0.05 17576 1 0.05 17580 1 0.05 17585 1 0.05 17600 2 0.10 17601 1 0.05 17610 1 0.05 17611 1 0.05 | 17559 | 2 | 0.10 |
| 17569 1 0.05 17570 1 0.05 17571 1 0.05 17572 1 0.05 17576 1 0.05 17580 1 0.05 17585 1 0.05 17587 1 0.05 17600 2 0.10 17601 1 0.05 17610 1 0.05 17611 1 0.05 | 17564 | 2 | 0.10 |
| 17570 1 0.05 17571 1 0.05 17572 1 0.05 17576 1 0.05 17580 1 0.05 17585 1 0.05 17587 1 0.05 17600 2 0.10 17611 1 0.05 17611 1 0.05 | 17566 | 1 | 0.05 |
| 17571 1 0.05 17572 1 0.05 17576 1 0.05 17580 1 0.05 17585 1 0.05 17587 1 0.05 17600 2 0.10 17601 1 0.05 17610 1 0.05 17611 1 0.05 | 17569 | 1 | 0.05 |
| 17572 1 0.05 17576 1 0.05 17580 1 0.05 17585 1 0.05 17587 1 0.05 17600 2 0.10 17601 1 0.05 17610 1 0.05 17611 1 0.05 | 17570 | 1 | 0.05 |
| 17576 1 0.05 17580 1 0.05 17585 1 0.05 17587 1 0.05 17600 2 0.10 17601 1 0.05 17610 1 0.05 17611 1 0.05 | 17571 | 1 | 0.05 |
| 17580 1 0.05 17585 1 0.05 17587 1 0.05 17600 2 0.10 17601 1 0.05 17610 1 0.05 17611 1 0.05 | 17572 | 1 | 0.05 |
| 17585 1 0.05 17587 1 0.05 17600 2 0.10 17601 1 0.05 17610 1 0.05 17611 1 0.05 | 17576 | 1 | 0.05 |
| 17587 1 0.05 17600 2 0.10 17601 1 0.05 17610 1 0.05 17611 1 0.05 | 17580 | 1 | 0.05 |
| 17600 2 0.10 17601 1 0.05 17610 1 0.05 17611 1 0.05 | 17585 | 1 | 0.05 |
| 17601 1 0.05 17610 1 0.05 17611 1 0.05 | 17587 | 1 | 0.05 |
| 17610 1 0.05 17611 1 0.05 | 17600 | 2 | 0.10 |
| 17611 1 0.05 | 17601 | 1 | 0.05 |
| | 17610 | 1 | 0.05 |
| 17619 1 0.05 | 17611 | 1 | 0.05 |
| | 17619 | 1 | 0.05 |
| 17622 1 0.05 | 17622 | 1 | 0.05 |
| 17642 1 0.05 | 17642 | 1 | 0.05 |
| 17645 1 0.05 | 17645 | 1 | 0.05 |
| 17647 1 0.05 | 17647 | 1 | 0.05 |

| Cust_Income | Frequency | Percent |
|-------------|-----------|---------|
| 17654 | 1 | 0.05 |
| 17655 | 1 | 0.05 |
| 17657 | 3 | 0.16 |
| 17661 | 2 | 0.10 |
| 17662 | 1 | 0.05 |
| 17675 | 1 | 0.05 |
| 17678 | 2 | 0.10 |
| 17679 | 1 | 0.05 |
| 17683 | 1 | 0.05 |
| 17684 | 1 | 0.05 |
| 17686 | 1 | 0.05 |
| 17691 | 1 | 0.05 |
| 17693 | 1 | 0.05 |
| 17696 | 1 | 0.05 |
| 17700 | 2 | 0.10 |
| 17703 | 3 | 0.16 |
| 17706 | 1 | 0.05 |
| 17713 | 2 | 0.10 |
| 17718 | 2 | 0.10 |
| 17720 | 2 | 0.10 |
| 17723 | 2 | 0.10 |
| 17728 | 1 | 0.05 |
| 17741 | 1 | 0.05 |
| 17743 | 2 | 0.10 |
| 17756 | 1 | 0.05 |
| 17759 | 2 | 0.10 |
| 17766 | 1 | 0.05 |
| 17768 | 1 | 0.05 |
| 17773 | 1 | 0.05 |
| 17782 | 1 | 0.05 |
| 17783 | 2 | 0.10 |
| 17789 | 2 | 0.10 |
| 17791 | 1 | 0.05 |
| 17794 | 1 | 0.05 |
| 17800 | 1 | 0.05 |
| 17804 | 1 | 0.05 |
| 17809 | 1 | 0.05 |

| Cust_Income | Frequency | Percent |
|-------------|-----------|---------|
| 17810 | 1 | 0.05 |
| 17811 | 1 | 0.05 |
| 17814 | 2 | 0.10 |
| 17818 | 1 | 0.05 |
| 17819 | 1 | 0.05 |
| 17835 | 1 | 0.05 |
| 17838 | 2 | 0.10 |
| 17859 | 2 | 0.10 |
| 17862 | 1 | 0.05 |
| 17867 | 2 | 0.10 |
| 17875 | 1 | 0.05 |
| 17886 | 2 | 0.10 |
| 17889 | 1 | 0.05 |
| 17897 | 2 | 0.10 |
| 17899 | 1 | 0.05 |
| 17904 | 1 | 0.05 |
| 17909 | 2 | 0.10 |
| 17911 | 1 | 0.05 |
| 17926 | 1 | 0.05 |
| 17929 | 1 | 0.05 |
| 17933 | 1 | 0.05 |
| 17936 | 1 | 0.05 |
| 17942 | 2 | 0.10 |
| 17956 | 2 | 0.10 |
| 17960 | 1 | 0.05 |
| 17966 | 1 | 0.05 |
| 17972 | 2 | 0.10 |
| 17973 | 2 | 0.10 |
| 17974 | 1 | 0.05 |
| 17979 | 1 | 0.05 |
| 17983 | 1 | 0.05 |
| 17991 | 1 | 0.05 |
| 17996 | 1 | 0.05 |
| 18001 | 1 | 0.05 |
| 18008 | 1 | 0.05 |
| 18013 | 1 | 0.05 |
| 18014 | 1 | 0.05 |

| Cust_Income | Frequency | Percent |
|-------------|-----------|---------|
| 18018 | 1 | 0.05 |
| 18022 | 3 | 0.16 |
| 18024 | 2 | 0.10 |
| 18034 | 1 | 0.05 |
| 18041 | 1 | 0.05 |
| 18042 | 2 | 0.10 |
| 18044 | 2 | 0.10 |
| 18045 | 2 | 0.10 |
| 18055 | 2 | 0.10 |
| 18057 | 1 | 0.05 |
| 18058 | 1 | 0.05 |
| 18064 | 1 | 0.05 |
| 18066 | 1 | 0.05 |
| 18072 | 2 | 0.10 |
| 18075 | 1 | 0.05 |
| 18086 | 1 | 0.05 |
| 18096 | 2 | 0.10 |
| 18097 | 1 | 0.05 |
| 18102 | 1 | 0.05 |
| 18109 | 1 | 0.05 |
| 18121 | 2 | 0.10 |
| 18127 | 2 | 0.10 |
| 18131 | 1 | 0.05 |
| 18132 | 1 | 0.05 |
| 18133 | 1 | 0.05 |
| 18141 | 1 | 0.05 |
| 18144 | 1 | 0.05 |
| 18145 | 1 | 0.05 |
| 18148 | 1 | 0.05 |
| 18149 | 1 | 0.05 |
| 18162 | 2 | 0.10 |
| 18166 | 2 | 0.10 |
| 18174 | 1 | 0.05 |
| 18176 | 1 | 0.05 |
| 18177 | 1 | 0.05 |
| 18206 | 1 | 0.05 |
| 18207 | 1 | 0.05 |

| Cust_Income | Frequency | Percent |
|-------------|-----------|---------|
| 18210 | 2 | 0.10 |
| 18212 | 2 | 0.10 |
| 18213 | 1 | 0.05 |
| 18216 | 1 | 0.05 |
| 18218 | 1 | 0.05 |
| 18221 | 1 | 0.05 |
| 18229 | 1 | 0.05 |
| 18230 | 1 | 0.05 |
| 18231 | 1 | 0.05 |
| 18238 | 2 | 0.10 |
| 18258 | 1 | 0.05 |
| 18259 | 1 | 0.05 |
| 18269 | 1 | 0.05 |
| 18272 | 2 | 0.10 |
| 18274 | 1 | 0.05 |
| 18279 | 1 | 0.05 |
| 18290 | 1 | 0.05 |
| 18293 | 2 | 0.10 |
| 18294 | 1 | 0.05 |
| 18295 | 1 | 0.05 |
| 18297 | 2 | 0.10 |
| 18305 | 1 | 0.05 |
| 18312 | 1 | 0.05 |
| 18313 | 2 | 0.10 |
| 18314 | 1 | 0.05 |
| 18318 | 1 | 0.05 |
| 18319 | 3 | 0.16 |
| 18321 | 2 | 0.10 |
| 18322 | 1 | 0.05 |
| 18323 | 2 | 0.10 |
| 18326 | 2 | 0.10 |
| 18329 | 1 | 0.05 |
| 18332 | 2 | 0.10 |
| 18335 | 2 | 0.10 |
| 18339 | 2 | 0.10 |
| 18340 | 3 | 0.16 |
| 18342 | 1 | 0.05 |

| 18346 1 0.05 18348 1 0.05 18351 1 0.05 18362 4 0.21 18368 1 0.05 18372 2 0.10 18375 2 0.10 18376 1 0.05 18379 1 0.05 18380 3 0.16 18388 1 0.05 18404 2 0.10 18405 2 0.10 18406 2 0.10 18407 3 0.16 18408 1 0.05 18420 1 0.05 18422 1 0.05 18423 1 0.05 18424 1 0.05 18437 1 0.05 18438 2 0.10 18439 3 0.16 18441 1 0.05 18445 1 0.05 18446 3 0.16 18479 | Cust_Income | Frequency | Percent |
|--|-------------|-----------|---------|
| 18351 1 0.05 18362 4 0.21 18368 1 0.05 18372 2 0.10 18375 2 0.10 18376 1 0.05 18377 3 0.16 18380 3 0.16 18388 1 0.05 18394 1 0.05 18404 2 0.10 18405 2 0.10 18406 2 0.10 18407 3 0.16 18408 1 0.05 18420 1 0.05 18422 1 0.05 18423 1 0.05 18424 1 0.05 18437 1 0.05 18438 2 0.10 18439 3 0.16 18439 3 0.16 18447 1 0.05 18445 1 0.05 18450 3 0.16 18479 | 18346 | 1 | 0.05 |
| 18362 4 0.21 18368 1 0.05 18372 2 0.10 18375 2 0.10 18376 1 0.05 18377 3 0.16 18379 1 0.05 18380 3 0.16 18388 1 0.05 18494 1 0.05 18494 2 0.10 18405 2 0.10 18406 2 0.10 18407 3 0.16 18420 1 0.05 18422 1 0.05 18423 1 0.05 18424 1 0.05 18437 1 0.05 18438 2 0.10 18439 3 0.16 18439 3 0.16 18441 1 0.05 18445 1 0.05 18447 1 0.05 18450 3 0.16 18472 | 18348 | 1 | 0.05 |
| 18368 1 0.05 18372 2 0.10 18375 2 0.10 18376 1 0.05 18377 3 0.16 18379 1 0.05 18388 1 0.05 18388 1 0.05 18394 1 0.05 18404 2 0.10 18405 2 0.10 18406 2 0.10 18407 3 0.16 18420 1 0.05 18422 1 0.05 18423 1 0.05 18424 1 0.05 18437 1 0.05 18438 2 0.10 18439 3 0.16 18441 1 0.05 18445 1 0.05 18445 1 0.05 18450 3 0.16 18452 1 0.05 18453 0 0.1 18454 | 18351 | 1 | 0.05 |
| 18372 2 0.10 18375 2 0.10 18376 1 0.05 18377 3 0.16 18379 1 0.05 18380 3 0.16 18388 1 0.05 18494 1 0.05 18405 2 0.10 18406 2 0.10 18407 3 0.16 18408 1 0.05 18420 1 0.05 18422 1 0.05 18423 1 0.05 18424 1 0.05 18437 1 0.05 18438 2 0.10 18439 3 0.16 18439 3 0.16 18445 1 0.05 18445 1 0.05 18445 1 0.05 18450 3 0.16 18452 1 0.05 18468 3 0.16 18479 | 18362 | 4 | 0.21 |
| 18375 2 0.10 18376 1 0.05 18377 3 0.16 18379 1 0.05 18380 3 0.16 18388 1 0.05 18394 1 0.05 18404 2 0.10 18405 2 0.10 18407 3 0.16 18420 1 0.05 18422 1 0.05 18423 1 0.05 18424 1 0.05 18437 1 0.05 18438 2 0.10 18439 3 0.16 18441 1 0.05 18445 1 0.05 18447 1 0.05 18450 3 0.16 18452 1 0.05 18453 1 0.05 18468 3 0.16 18479 3 0.16 18479 3 0.16 18491 | 18368 | 1 | 0.05 |
| 18376 1 0.05 18377 3 0.16 18379 1 0.05 18380 3 0.16 18388 1 0.05 18394 1 0.05 18404 2 0.10 18405 2 0.10 18407 3 0.16 18408 1 0.05 18420 1 0.05 18423 1 0.05 18424 1 0.05 18437 1 0.05 18438 2 0.10 18439 3 0.16 18441 1 0.05 18445 1 0.05 18445 1 0.05 18450 3 0.16 18452 1 0.05 18453 0.16 0.05 18454 1 0.05 18452 1 0.05 18453 0.16 0.05 18454 1 0.05 18452 </th <th>18372</th> <th>2</th> <th>0.10</th> | 18372 | 2 | 0.10 |
| 18377 3 0.16 18379 1 0.05 18380 3 0.16 18388 1 0.05 18394 1 0.05 18404 2 0.10 18406 2 0.10 18407 3 0.16 18420 1 0.05 18422 1 0.05 18423 1 0.05 18424 1 0.05 18437 1 0.05 18438 2 0.10 18439 3 0.16 18441 1 0.05 18445 1 0.05 18447 1 0.05 18450 3 0.16 18452 1 0.05 18468 3 0.16 18472 1 0.05 18476 1 0.05 18479 3 0.16 18491 2 0.10 18496 1 0.05 | 18375 | 2 | 0.10 |
| 18379 1 0.05 18380 3 0.16 18388 1 0.05 18394 1 0.05 18404 2 0.10 18406 2 0.10 18407 3 0.16 18408 1 0.05 18420 1 0.05 18422 1 0.05 18423 1 0.05 18424 1 0.05 18438 2 0.10 18439 3 0.16 18441 1 0.05 18445 1 0.05 18445 1 0.05 18447 1 0.05 18450 3 0.16 18452 1 0.05 18468 3 0.16 18472 1 0.05 18476 1 0.05 18479 3 0.16 18491 2 0.10 18496 1 0.05 | 18376 | 1 | 0.05 |
| 18380 3 0.16 18388 1 0.05 18394 1 0.05 18404 2 0.10 18406 2 0.10 18407 3 0.16 18408 1 0.05 18420 1 0.05 18422 1 0.05 18423 1 0.05 18437 1 0.05 18438 2 0.10 18439 3 0.16 18441 1 0.05 18445 1 0.05 18447 1 0.05 18450 3 0.16 18452 1 0.05 18468 3 0.16 18472 1 0.05 18476 1 0.05 18491 2 0.10 18496 1 0.05 | 18377 | 3 | 0.16 |
| 18388 1 0.05 18394 1 0.05 18404 2 0.10 18406 2 0.10 18407 3 0.16 18408 1 0.05 18420 1 0.05 18422 1 0.05 18423 1 0.05 18437 1 0.05 18438 2 0.10 18439 3 0.16 18441 1 0.05 18445 1 0.05 18445 1 0.05 18447 1 0.05 18450 3 0.16 18452 1 0.05 18468 3 0.16 18472 1 0.05 18476 1 0.05 18482 1 0.05 18491 2 0.10 18496 1 0.05 | 18379 | 1 | 0.05 |
| 18394 1 0.05 18404 2 0.10 18406 2 0.10 18407 3 0.16 18408 1 0.05 18420 1 0.05 18422 1 0.05 18423 1 0.05 18424 1 0.05 18438 2 0.10 18439 3 0.16 18441 1 0.05 18445 1 0.05 18447 1 0.05 18450 3 0.16 18452 1 0.05 18468 3 0.16 18472 1 0.05 18476 1 0.05 18482 1 0.05 18491 2 0.10 18496 1 0.05 | 18380 | 3 | 0.16 |
| 18404 2 0.10 18406 2 0.10 18407 3 0.16 18408 1 0.05 18420 1 0.05 18422 1 0.05 18423 1 0.05 18437 1 0.05 18438 2 0.10 18439 3 0.16 18441 1 0.05 18445 1 0.05 18447 1 0.05 18450 3 0.16 18452 1 0.05 18468 3 0.16 18472 1 0.05 18476 1 0.05 18479 3 0.16 18482 1 0.05 18491 2 0.10 18496 1 0.05 | 18388 | 1 | 0.05 |
| 18406 2 0.10 18407 3 0.16 18408 1 0.05 18420 1 0.05 18422 1 0.05 18423 1 0.05 18437 1 0.05 18438 2 0.10 18439 3 0.16 18441 1 0.05 18445 1 0.05 18447 1 0.05 18450 3 0.16 18452 1 0.05 18468 3 0.16 18472 1 0.05 18476 1 0.05 18479 3 0.16 18482 1 0.05 18491 2 0.10 18496 1 0.05 | 18394 | 1 | 0.05 |
| 18407 3 0.16 18408 1 0.05 18420 1 0.05 18422 1 0.05 18423 1 0.05 18424 1 0.05 18437 1 0.05 18438 2 0.10 18439 3 0.16 18441 1 0.05 18445 1 0.05 18447 1 0.05 18450 3 0.16 18452 1 0.05 18468 3 0.16 18472 1 0.05 18476 1 0.05 18479 3 0.16 18482 1 0.05 18491 2 0.10 18496 1 0.05 | 18404 | 2 | 0.10 |
| 18408 1 0.05 18420 1 0.05 18422 1 0.05 18423 1 0.05 18424 1 0.05 18437 1 0.05 18438 2 0.10 18439 3 0.16 18441 1 0.05 18445 1 0.05 18447 1 0.05 18450 3 0.16 18452 1 0.05 18468 3 0.16 18472 1 0.05 18476 1 0.05 18479 3 0.16 18482 1 0.05 18491 2 0.10 18496 1 0.05 | 18406 | 2 | 0.10 |
| 18420 1 0.05 18422 1 0.05 18424 1 0.05 18437 1 0.05 18438 2 0.10 18439 3 0.16 18441 1 0.05 18445 1 0.05 18447 1 0.05 18450 3 0.16 18452 1 0.05 18468 3 0.16 18472 1 0.05 18476 1 0.05 18479 3 0.16 18482 1 0.05 18491 2 0.10 18496 1 0.05 | 18407 | 3 | 0.16 |
| 18422 1 0.05 18423 1 0.05 18424 1 0.05 18437 1 0.05 18438 2 0.10 18439 3 0.16 18441 1 0.05 18445 1 0.05 18447 1 0.05 18450 3 0.16 18452 1 0.05 18468 3 0.16 18472 1 0.05 18476 1 0.05 18479 3 0.16 18482 1 0.05 18491 2 0.10 18496 1 0.05 | 18408 | 1 | 0.05 |
| 18423 1 0.05 18424 1 0.05 18437 1 0.05 18438 2 0.10 18439 3 0.16 18441 1 0.05 18445 1 0.05 18450 3 0.16 18452 1 0.05 18468 3 0.16 18472 1 0.05 18476 1 0.05 18479 3 0.16 18482 1 0.05 18491 2 0.10 18496 1 0.05 | 18420 | 1 | 0.05 |
| 18424 1 0.05 18437 1 0.05 18438 2 0.10 18439 3 0.16 18441 1 0.05 18445 1 0.05 18447 1 0.05 18450 3 0.16 18452 1 0.05 18468 3 0.16 18472 1 0.05 18476 1 0.05 18479 3 0.16 18482 1 0.05 18491 2 0.10 18496 1 0.05 | 18422 | 1 | 0.05 |
| 18437 1 0.05 18438 2 0.10 18439 3 0.16 18441 1 0.05 18445 1 0.05 18447 1 0.05 18450 3 0.16 18452 1 0.05 18468 3 0.16 18472 1 0.05 18476 1 0.05 18479 3 0.16 18482 1 0.05 18491 2 0.10 18496 1 0.05 | 18423 | 1 | 0.05 |
| 18438 2 0.10 18439 3 0.16 18441 1 0.05 18445 1 0.05 18447 1 0.05 18450 3 0.16 18452 1 0.05 18468 3 0.16 18472 1 0.05 18476 1 0.05 18479 3 0.16 18482 1 0.05 18491 2 0.10 18496 1 0.05 | 18424 | 1 | 0.05 |
| 18439 3 0.16 18441 1 0.05 18445 1 0.05 18447 1 0.05 18450 3 0.16 18452 1 0.05 18468 3 0.16 18472 1 0.05 18476 1 0.05 18479 3 0.16 18482 1 0.05 18491 2 0.10 18496 1 0.05 | 18437 | 1 | 0.05 |
| 18441 1 0.05 18445 1 0.05 18447 1 0.05 18450 3 0.16 18452 1 0.05 18468 3 0.16 18472 1 0.05 18476 1 0.05 18479 3 0.16 18482 1 0.05 18491 2 0.10 18496 1 0.05 | 18438 | 2 | 0.10 |
| 18445 1 0.05 18447 1 0.05 18450 3 0.16 18452 1 0.05 18468 3 0.16 18472 1 0.05 18476 1 0.05 18479 3 0.16 18482 1 0.05 18491 2 0.10 18496 1 0.05 | 18439 | 3 | 0.16 |
| 18447 1 0.05 18450 3 0.16 18452 1 0.05 18468 3 0.16 18472 1 0.05 18476 1 0.05 18479 3 0.16 18482 1 0.05 18491 2 0.10 18496 1 0.05 | 18441 | 1 | 0.05 |
| 18450 3 0.16 18452 1 0.05 18468 3 0.16 18472 1 0.05 18476 1 0.05 18479 3 0.16 18482 1 0.05 18491 2 0.10 18496 1 0.05 | 18445 | 1 | 0.05 |
| 18452 1 0.05 18468 3 0.16 18472 1 0.05 18476 1 0.05 18479 3 0.16 18482 1 0.05 18491 2 0.10 18496 1 0.05 | 18447 | 1 | 0.05 |
| 18468 3 0.16 18472 1 0.05 18476 1 0.05 18479 3 0.16 18482 1 0.05 18491 2 0.10 18496 1 0.05 | 18450 | 3 | 0.16 |
| 18472 1 0.05 18476 1 0.05 18479 3 0.16 18482 1 0.05 18491 2 0.10 18496 1 0.05 | 18452 | 1 | 0.05 |
| 18476 1 0.05 18479 3 0.16 18482 1 0.05 18491 2 0.10 18496 1 0.05 | 18468 | 3 | 0.16 |
| 18479 3 0.16 18482 1 0.05 18491 2 0.10 18496 1 0.05 | 18472 | 1 | 0.05 |
| 18482 1 0.05 18491 2 0.10 18496 1 0.05 | 18476 | 1 | 0.05 |
| 18491 2 0.10 18496 1 0.05 | 18479 | 3 | 0.16 |
| 18496 1 0.05 | 18482 | 1 | 0.05 |
| | 18491 | 2 | 0.10 |
| 18500 3 0.16 | 18496 | 1 | 0.05 |
| | 18500 | 3 | 0.16 |

| Cust_Income | Frequency | Percent |
|-------------|-----------|---------|
| 18505 | 1 | 0.05 |
| 18506 | 1 | 0.05 |
| 18514 | 2 | 0.10 |
| 18515 | 1 | 0.05 |
| 18517 | 1 | 0.05 |
| 18519 | 1 | 0.05 |
| 18523 | 2 | 0.10 |
| 18532 | 2 | 0.10 |
| 18537 | 1 | 0.05 |
| 18539 | 2 | 0.10 |
| 18543 | 1 | 0.05 |
| 18546 | 1 | 0.05 |
| 18552 | 1 | 0.05 |
| 18553 | 1 | 0.05 |
| 18559 | 3 | 0.16 |
| 18564 | 1 | 0.05 |
| 18566 | 2 | 0.10 |
| 18570 | 2 | 0.10 |
| 18571 | 1 | 0.05 |
| 18576 | 1 | 0.05 |
| 18578 | 1 | 0.05 |
| 18579 | 2 | 0.10 |
| 18580 | 2 | 0.10 |
| 18587 | 3 | 0.16 |
| 18592 | 1 | 0.05 |
| 18593 | 1 | 0.05 |
| 18596 | 2 | 0.10 |
| 18597 | 1 | 0.05 |
| 18600 | 1 | 0.05 |
| 18610 | 1 | 0.05 |
| 18613 | 2 | 0.10 |
| 18619 | 1 | 0.05 |
| 18622 | 1 | 0.05 |
| 18625 | 1 | 0.05 |
| 18632 | 2 | 0.10 |
| 18642 | 1 | 0.05 |
| 18645 | 1 | 0.05 |

| Cust_Income | Frequency | Percent |
|-------------|-----------|---------|
| 18646 | 1 | 0.05 |
| 18647 | 2 | 0.10 |
| 18655 | 1 | 0.05 |
| 18657 | 1 | 0.05 |
| 18659 | 1 | 0.05 |
| 18660 | 2 | 0.10 |
| 18661 | 2 | 0.10 |
| 18662 | 1 | 0.05 |
| 18669 | 2 | 0.10 |
| 18673 | 2 | 0.10 |
| 18679 | 1 | 0.05 |
| 18681 | 2 | 0.10 |
| 18683 | 1 | 0.05 |
| 18688 | 1 | 0.05 |
| 18691 | 3 | 0.16 |
| 18693 | 1 | 0.05 |
| 18695 | 1 | 0.05 |
| 18696 | 2 | 0.10 |
| 18697 | 1 | 0.05 |
| 18702 | 1 | 0.05 |
| 18703 | 2 | 0.10 |
| 18705 | 2 | 0.10 |
| 18706 | 1 | 0.05 |
| 18708 | 1 | 0.05 |
| 18716 | 1 | 0.05 |
| 18718 | 2 | 0.10 |
| 18720 | 1 | 0.05 |
| 18725 | 1 | 0.05 |
| 18728 | 1 | 0.05 |
| 18730 | 1 | 0.05 |
| 18737 | 1 | 0.05 |
| 18741 | 2 | 0.10 |
| 18743 | 2 | 0.10 |
| 18755 | 1 | 0.05 |
| 18756 | 1 | 0.05 |
| 18759 | 1 | 0.05 |
| 18760 | 2 | 0.10 |

| Cust_Income | Frequency | Percent |
|-------------|-----------|---------|
| 18761 | 2 | 0.10 |
| 18766 | 1 | 0.05 |
| 18774 | 1 | 0.05 |
| 18780 | 1 | 0.05 |
| 18781 | 1 | 0.05 |
| 18782 | 1 | 0.05 |
| 18789 | 1 | 0.05 |
| 18793 | 1 | 0.05 |
| 18795 | 1 | 0.05 |
| 18799 | 1 | 0.05 |
| 18800 | 1 | 0.05 |
| 18809 | 1 | 0.05 |
| 18810 | 2 | 0.10 |
| 18811 | 1 | 0.05 |
| 18812 | 1 | 0.05 |
| 18818 | 1 | 0.05 |
| 18819 | 1 | 0.05 |
| 18827 | 1 | 0.05 |
| 18835 | 1 | 0.05 |
| 18838 | 2 | 0.10 |
| 18844 | 1 | 0.05 |
| 18858 | 1 | 0.05 |
| 18859 | 2 | 0.10 |
| 18862 | 1 | 0.05 |
| 18867 | 2 | 0.10 |
| 18875 | 2 | 0.10 |
| 18886 | 2 | 0.10 |
| 18897 | 1 | 0.05 |
| 18904 | 4 | 0.21 |
| 18909 | 2 | 0.10 |
| 18911 | 3 | 0.16 |
| 18920 | 1 | 0.05 |
| 18926 | 1 | 0.05 |
| 18929 | 2 | 0.10 |
| 18931 | 1 | 0.05 |
| 18933 | 1 | 0.05 |
| 18936 | 3 | 0.16 |

| Cust_Income | Frequency | Percent |
|-------------|-----------|---------|
| 18942 | 3 | 0.16 |
| 18944 | 1 | 0.05 |
| 18950 | 1 | 0.05 |
| 18955 | 1 | 0.05 |
| 18956 | 3 | 0.16 |
| 18968 | 1 | 0.05 |
| 18972 | 1 | 0.05 |
| 18973 | 2 | 0.10 |
| 18974 | 1 | 0.05 |
| 18975 | 1 | 0.05 |
| 18978 | 1 | 0.05 |
| 18989 | 1 | 0.05 |
| 18996 | 2 | 0.10 |
| 19001 | 2 | 0.10 |
| 19011 | 1 | 0.05 |
| 19014 | 1 | 0.05 |
| 19022 | 1 | 0.05 |
| 19033 | 2 | 0.10 |
| 19035 | 1 | 0.05 |
| 19037 | 1 | 0.05 |
| 19041 | 1 | 0.05 |
| 19051 | 2 | 0.10 |
| 19057 | 1 | 0.05 |
| 19058 | 1 | 0.05 |
| 19066 | 1 | 0.05 |
| 19068 | 1 | 0.05 |
| 19081 | 2 | 0.10 |
| 19087 | 1 | 0.05 |
| 19089 | 2 | 0.10 |
| 19105 | 1 | 0.05 |
| 19107 | 2 | 0.10 |
| 19108 | 2 | 0.10 |
| 19117 | 1 | 0.05 |
| 19131 | 1 | 0.05 |
| 19143 | 1 | 0.05 |
| 19148 | 1 | 0.05 |
| 19152 | 2 | 0.10 |

| Cust_Income | Frequency | Percent |
|-------------|-----------|---------|
| 19157 | 1 | 0.05 |
| 19162 | 1 | 0.05 |
| 19194 | 1 | 0.05 |
| 19195 | 1 | 0.05 |
| 19196 | 1 | 0.05 |
| 19197 | 2 | 0.10 |
| 19198 | 1 | 0.05 |
| 19201 | 1 | 0.05 |
| 19202 | 1 | 0.05 |
| 19210 | 1 | 0.05 |
| 19213 | 1 | 0.05 |
| 19221 | 1 | 0.05 |
| 19229 | 2 | 0.10 |
| 19233 | 2 | 0.10 |
| 19240 | 2 | 0.10 |
| 19249 | 2 | 0.10 |
| 19257 | 1 | 0.05 |
| 19260 | 1 | 0.05 |
| 19272 | 2 | 0.10 |
| 19280 | 2 | 0.10 |
| 19284 | 2 | 0.10 |
| 19285 | 1 | 0.05 |
| 19294 | 2 | 0.10 |
| 19295 | 1 | 0.05 |
| 19298 | 1 | 0.05 |
| 19302 | 2 | 0.10 |
| 19306 | 2 | 0.10 |
| 19310 | 1 | 0.05 |
| 19319 | 1 | 0.05 |
| 19320 | 1 | 0.05 |
| 19325 | 1 | 0.05 |
| 19332 | 1 | 0.05 |
| 19335 | 2 | 0.10 |
| 19342 | 1 | 0.05 |
| 19346 | 1 | 0.05 |
| 19375 | 1 | 0.05 |
| 19376 | 1 | 0.05 |

| Cust_Income | Frequency | Percent |
|-------------|-----------|---------|
| 19377 | 1 | 0.05 |
| 19381 | 1 | 0.05 |
| 19382 | 1 | 0.05 |
| 19385 | 1 | 0.05 |
| 19388 | 1 | 0.05 |
| 19401 | 1 | 0.05 |
| 19407 | 2 | 0.10 |
| 19424 | 1 | 0.05 |
| 19425 | 1 | 0.05 |
| 19440 | 2 | 0.10 |
| 19441 | 1 | 0.05 |
| 19448 | 3 | 0.16 |
| 19450 | 1 | 0.05 |
| 19452 | 2 | 0.10 |
| 19465 | 1 | 0.05 |
| 19468 | 1 | 0.05 |
| 19477 | 3 | 0.16 |
| 19479 | 1 | 0.05 |
| 19491 | 1 | 0.05 |
| 19500 | 1 | 0.05 |
| 19505 | 1 | 0.05 |
| 19506 | 1 | 0.05 |
| 19507 | 1 | 0.05 |
| 19517 | 1 | 0.05 |
| 19522 | 1 | 0.05 |
| 19523 | 2 | 0.10 |
| 19534 | 1 | 0.05 |
| 19538 | 1 | 0.05 |
| 19539 | 1 | 0.05 |
| 19541 | 1 | 0.05 |
| 19553 | 1 | 0.05 |
| 19559 | 1 | 0.05 |
| 19568 | 2 | 0.10 |
| 19579 | 1 | 0.05 |
| 19580 | 1 | 0.05 |
| 19581 | 2 | 0.10 |
| 19591 | 1 | 0.05 |

| 19599 2 0.10 19600 1 0.05 19615 1 0.05 19617 1 0.05 19621 2 0.10 19627 1 0.05 19629 1 0.05 19639 2 0.10 19647 2 0.10 19648 1 0.05 19649 1 0.05 19678 1 0.05 19681 1 0.05 19682 2 0.10 19684 1 0.05 19685 2 0.10 19697 1 0.05 19702 1 0.05 19702 1 0.05 19723 1 0.05 19724 2 0.10 19736 1 0.05 19749 1 0.05 19741 1 0.05 19743 1 0.05 19744 2 0.10 19745 | Cust_Income | Frequency | Percent |
|---|-------------|-----------|---------|
| 19600 1 0.05 19615 1 0.05 19617 1 0.05 19621 2 0.10 19627 1 0.05 19629 1 0.05 19639 2 0.10 19647 2 0.10 19648 1 0.05 19649 1 0.05 19660 1 0.05 19678 1 0.05 19681 1 0.05 19682 2 0.10 19683 1 0.05 19684 1 0.05 19695 2 0.10 19697 1 0.05 19702 1 0.05 19723 1 0.05 19723 1 0.05 19736 1 0.05 19739 1 0.05 19741 1 0.05 19743 1 0.05 19744 2 0.10 19755 | 19597 | 1 | 0.05 |
| 19615 1 0.05 19621 2 0.10 19627 1 0.05 19629 1 0.05 19639 2 0.10 19647 2 0.10 19648 1 0.05 19649 1 0.05 19660 1 0.05 19681 1 0.05 19682 2 0.10 19683 1 0.05 19684 1 0.05 19695 2 0.10 19697 1 0.05 19702 1 0.05 19723 1 0.05 19728 2 0.10 19739 1 0.05 19741 1 0.05 19743 1 0.05 19744 1 0.05 19755 1 0.05 19760 2 0.10 19761 1 0.05 | 19599 | 2 | 0.10 |
| 19617 1 0.05 19621 2 0.10 19627 1 0.05 19629 1 0.05 19639 2 0.10 19647 2 0.10 19648 1 0.05 19649 1 0.05 19678 1 0.05 19681 1 0.05 19682 2 0.10 19683 1 0.05 19694 1 0.05 19684 1 0.05 19685 2 0.10 19697 1 0.05 19702 1 0.05 19723 1 0.05 19723 1 0.05 19736 1 0.05 19739 1 0.05 19741 1 0.05 19743 1 0.05 19744 1 0.05 19755 1 0.05 19760 2 0.10 19765 | 19600 | 1 | 0.05 |
| 19621 2 0.10 19627 1 0.05 19629 1 0.05 19639 2 0.10 19647 2 0.10 19648 1 0.05 19649 1 0.05 19660 1 0.05 19681 1 0.05 19682 2 0.10 19683 1 0.05 19694 1 0.05 19685 2 0.10 19697 1 0.05 19702 1 0.05 19723 1 0.05 19723 1 0.05 19728 2 0.10 19739 1 0.05 19739 1 0.05 19741 1 0.05 19743 1 0.05 19748 2 0.10 19755 1 0.05 19760 2 0.10 19765 1 0.05 | 19615 | 1 | 0.05 |
| 19627 1 0.05 19629 1 0.05 19639 2 0.10 19647 2 0.10 19648 1 0.05 19649 1 0.05 19660 1 0.05 19678 1 0.05 19681 1 0.05 19682 2 0.10 19683 1 0.05 19694 1 0.05 19695 2 0.10 19697 1 0.05 19702 1 0.05 19722 1 0.05 19723 1 0.05 19728 2 0.10 19739 1 0.05 19739 1 0.05 19741 1 0.05 19743 1 0.05 19748 2 0.10 19755 1 0.05 19760 2 0.10 19765 1 0.05 | 19617 | 1 | 0.05 |
| 19629 1 0.05 19639 2 0.10 19647 2 0.10 19648 1 0.05 19649 1 0.05 19660 1 0.05 19678 1 0.05 19681 1 0.05 19682 2 0.10 19683 1 0.05 19694 1 0.05 19695 2 0.10 19697 1 0.05 19702 1 0.05 19723 1 0.05 19728 2 0.10 19739 1 0.05 19739 1 0.05 19741 1 0.05 19743 1 0.05 19748 2 0.10 19760 2 0.10 19765 1 0.05 | 19621 | 2 | 0.10 |
| 19639 2 0.10 19647 2 0.10 19648 1 0.05 19649 1 0.05 19660 1 0.05 19678 1 0.05 19681 1 0.05 19682 2 0.10 19684 1 0.05 19695 2 0.10 19697 1 0.05 19702 1 0.05 19722 1 0.05 19723 1 0.05 19728 2 0.10 19739 1 0.05 19739 1 0.05 19741 1 0.05 19743 1 0.05 19748 2 0.10 19760 2 0.10 19761 1 0.05 19765 1 0.05 | 19627 | 1 | 0.05 |
| 19647 2 0.10 19648 1 0.05 19649 1 0.05 19660 1 0.05 19678 1 0.05 19681 1 0.05 19682 2 0.10 19683 1 0.05 19695 2 0.10 19697 1 0.05 19702 1 0.05 19722 1 0.05 19723 1 0.05 19728 2 0.10 19736 1 0.05 19739 1 0.05 19741 1 0.05 19743 1 0.05 19748 2 0.10 19755 1 0.05 19761 1 0.05 19765 1 0.05 | 19629 | 1 | 0.05 |
| 19648 1 0.05 19649 1 0.05 19660 1 0.05 19678 1 0.05 19681 1 0.05 19682 2 0.10 19684 1 0.05 19695 2 0.10 19697 1 0.05 19702 1 0.05 19722 1 0.05 19723 1 0.05 19728 2 0.10 19739 1 0.05 19741 1 0.05 19743 1 0.05 19748 2 0.10 19755 1 0.05 19760 2 0.10 19765 1 0.05 | 19639 | 2 | 0.10 |
| 19649 1 0.05 19660 1 0.05 19678 1 0.05 19681 1 0.05 19682 2 0.10 19684 1 0.05 19695 2 0.10 19697 1 0.05 19702 1 0.05 19722 1 0.05 19723 1 0.05 19728 2 0.10 19736 1 0.05 19739 1 0.05 19741 1 0.05 19743 1 0.05 19748 2 0.10 19755 1 0.05 19760 2 0.10 19761 1 0.05 19765 1 0.05 | 19647 | 2 | 0.10 |
| 19660 1 0.05 19678 1 0.05 19681 1 0.05 19682 2 0.10 19684 1 0.05 19688 1 0.05 19695 2 0.10 19697 1 0.05 19702 1 0.05 19723 1 0.05 19728 2 0.10 19736 1 0.05 19739 1 0.05 19741 1 0.05 19743 1 0.05 19748 2 0.10 19755 1 0.05 19760 2 0.10 19761 1 0.05 19765 1 0.05 | 19648 | 1 | 0.05 |
| 19678 1 0.05 19681 1 0.05 19682 2 0.10 19684 1 0.05 19688 1 0.05 19691 1 0.05 19695 2 0.10 19702 1 0.05 19722 1 0.05 19723 1 0.05 19728 2 0.10 19736 1 0.05 19739 1 0.05 19741 1 0.05 19743 1 0.05 19748 2 0.10 19755 1 0.05 19760 2 0.10 19761 1 0.05 19765 1 0.05 | 19649 | 1 | 0.05 |
| 19681 1 0.05 19682 2 0.10 19684 1 0.05 19688 1 0.05 19691 1 0.05 19695 2 0.10 19702 1 0.05 19722 1 0.05 19723 1 0.05 19728 2 0.10 19739 1 0.05 19741 1 0.05 19743 1 0.05 19748 2 0.10 19755 1 0.05 19760 2 0.10 19761 1 0.05 19765 1 0.05 | 19660 | 1 | 0.05 |
| 19682 2 0.10 19684 1 0.05 19688 1 0.05 19691 1 0.05 19695 2 0.10 19697 1 0.05 19702 1 0.05 19723 1 0.05 19728 2 0.10 19736 1 0.05 19739 1 0.05 19741 1 0.05 19743 1 0.05 19748 2 0.10 19755 1 0.05 19760 2 0.10 19761 1 0.05 19765 1 0.05 | 19678 | 1 | 0.05 |
| 19684 1 0.05 19688 1 0.05 19691 1 0.05 19695 2 0.10 19697 1 0.05 19702 1 0.05 19722 1 0.05 19723 1 0.05 19736 1 0.05 19739 1 0.05 19741 1 0.05 19743 1 0.05 19748 2 0.10 19755 1 0.05 19760 2 0.10 19761 1 0.05 19765 1 0.05 | 19681 | 1 | 0.05 |
| 19688 1 0.05 19691 1 0.05 19695 2 0.10 19697 1 0.05 19702 1 0.05 19722 1 0.05 19723 1 0.05 19736 1 0.05 19739 1 0.05 19741 1 0.05 19743 1 0.05 19748 2 0.10 19755 1 0.05 19760 2 0.10 19761 1 0.05 19765 1 0.05 | 19682 | 2 | 0.10 |
| 19691 1 0.05 19695 2 0.10 19697 1 0.05 19702 1 0.05 19722 1 0.05 19723 1 0.05 19736 1 0.05 19739 1 0.05 19741 1 0.05 19743 1 0.05 19748 2 0.10 19760 2 0.10 19761 1 0.05 19765 1 0.05 | 19684 | 1 | 0.05 |
| 19695 2 0.10 19697 1 0.05 19702 1 0.05 19722 1 0.05 19723 1 0.05 19728 2 0.10 19736 1 0.05 19739 1 0.05 19741 1 0.05 19743 1 0.05 19748 2 0.10 19760 2 0.10 19761 1 0.05 19765 1 0.05 | 19688 | 1 | 0.05 |
| 19697 1 0.05 19702 1 0.05 19722 1 0.05 19723 1 0.05 19728 2 0.10 19736 1 0.05 19739 1 0.05 19741 1 0.05 19743 1 0.05 19748 2 0.10 19760 2 0.10 19761 1 0.05 19765 1 0.05 | 19691 | 1 | 0.05 |
| 19702 1 0.05 19722 1 0.05 19723 1 0.05 19728 2 0.10 19736 1 0.05 19739 1 0.05 19741 1 0.05 19743 1 0.05 19748 2 0.10 19755 1 0.05 19760 2 0.10 19761 1 0.05 19765 1 0.05 | 19695 | 2 | 0.10 |
| 19722 1 0.05 19723 1 0.05 19728 2 0.10 19736 1 0.05 19739 1 0.05 19741 1 0.05 19743 1 0.05 19748 2 0.10 19755 1 0.05 19760 2 0.10 19761 1 0.05 19765 1 0.05 | 19697 | 1 | 0.05 |
| 19723 1 0.05 19728 2 0.10 19736 1 0.05 19739 1 0.05 19741 1 0.05 19743 1 0.05 19748 2 0.10 19755 1 0.05 19760 2 0.10 19761 1 0.05 19765 1 0.05 | 19702 | 1 | 0.05 |
| 19728 2 0.10 19736 1 0.05 19739 1 0.05 19741 1 0.05 19743 1 0.05 19748 2 0.10 19755 1 0.05 19760 2 0.10 19761 1 0.05 19765 1 0.05 | 19722 | 1 | 0.05 |
| 19736 1 0.05 19739 1 0.05 19741 1 0.05 19743 1 0.05 19748 2 0.10 19755 1 0.05 19760 2 0.10 19761 1 0.05 19765 1 0.05 | 19723 | 1 | 0.05 |
| 19739 1 0.05 19741 1 0.05 19743 1 0.05 19748 2 0.10 19755 1 0.05 19760 2 0.10 19761 1 0.05 19765 1 0.05 | 19728 | 2 | 0.10 |
| 19741 1 0.05 19743 1 0.05 19748 2 0.10 19755 1 0.05 19760 2 0.10 19761 1 0.05 19765 1 0.05 | 19736 | 1 | 0.05 |
| 19743 1 0.05 19748 2 0.10 19755 1 0.05 19760 2 0.10 19761 1 0.05 19765 1 0.05 | 19739 | 1 | 0.05 |
| 19748 2 0.10 19755 1 0.05 19760 2 0.10 19761 1 0.05 19765 1 0.05 | 19741 | 1 | 0.05 |
| 19755 1 0.05 19760 2 0.10 19761 1 0.05 19765 1 0.05 | 19743 | 1 | 0.05 |
| 19760 2 0.10 19761 1 0.05 19765 1 0.05 | 19748 | 2 | 0.10 |
| 19761 1 0.05 19765 1 0.05 | 19755 | 1 | 0.05 |
| 19765 1 0.05 | 19760 | 2 | 0.10 |
| | 19761 | 1 | 0.05 |
| 19766 1 0.05 | 19765 | 1 | 0.05 |
| | 19766 | 1 | 0.05 |
| 19777 1 0.05 | 19777 | 1 | 0.05 |
| 19780 1 0.05 | 19780 | 1 | 0.05 |

| Cust_Income | Frequency | Percent |
|-------------|-----------|---------|
| 19788 | 1 | 0.05 |
| 19810 | 1 | 0.05 |
| 19815 | 2 | 0.10 |
| 19816 | 2 | 0.10 |
| 19833 | 1 | 0.05 |
| 19841 | 2 | 0.10 |
| 19855 | 1 | 0.05 |
| 19867 | 1 | 0.05 |
| 19869 | 1 | 0.05 |
| 19876 | 1 | 0.05 |
| 19878 | 1 | 0.05 |
| 19886 | 1 | 0.05 |
| 19894 | 1 | 0.05 |
| 19898 | 2 | 0.10 |
| 19904 | 1 | 0.05 |
| 19907 | 3 | 0.16 |
| 19919 | 1 | 0.05 |
| 19930 | 1 | 0.05 |
| 19931 | 2 | 0.10 |
| 19936 | 1 | 0.05 |
| 19941 | 2 | 0.10 |
| 19944 | 2 | 0.10 |
| 19955 | 1 | 0.05 |
| 19960 | 2 | 0.10 |
| 19963 | 1 | 0.05 |
| 19968 | 3 | 0.16 |
| 19975 | 1 | 0.05 |
| 19983 | 1 | 0.05 |
| 19986 | 1 | 0.05 |
| 19989 | 2 | 0.10 |
| 19998 | 1 | 0.05 |
| 20000 | 1 | 0.05 |
| 20001 | 2 | 0.10 |
| 20003 | 1 | 0.05 |
| 20010 | 1 | 0.05 |
| 20011 | 2 | 0.10 |
| 20014 | 1 | 0.05 |

| Cust_Income | Frequency | Percent |
|-------------|-----------|---------|
| 20021 | 1 | 0.05 |
| 20025 | 1 | 0.05 |
| 20028 | 1 | 0.05 |
| 20035 | 2 | 0.10 |
| 20037 | 1 | 0.05 |
| 20042 | 1 | 0.05 |
| 20055 | 1 | 0.05 |
| 20063 | 1 | 0.05 |
| 20069 | 2 | 0.10 |
| 20071 | 1 | 0.05 |
| 20079 | 1 | 0.05 |
| 20081 | 1 | 0.05 |
| 20084 | 2 | 0.10 |
| 20087 | 1 | 0.05 |
| 20089 | 2 | 0.10 |
| 20094 | 1 | 0.05 |
| 20103 | 1 | 0.05 |
| 20105 | 1 | 0.05 |
| 20107 | 1 | 0.05 |
| 20126 | 1 | 0.05 |
| 20127 | 1 | 0.05 |
| 20130 | 2 | 0.10 |
| 20148 | 1 | 0.05 |
| 20151 | 1 | 0.05 |
| 20154 | 1 | 0.05 |
| 20162 | 1 | 0.05 |
| 20163 | 1 | 0.05 |
| 20189 | 1 | 0.05 |
| 20193 | 1 | 0.05 |
| 20197 | 3 | 0.16 |
| 20198 | 2 | 0.10 |
| 20200 | 1 | 0.05 |
| 20204 | 1 | 0.05 |
| 20206 | 1 | 0.05 |
| 20207 | 2 | 0.10 |
| 20209 | 1 | 0.05 |
| 20220 | 2 | 0.10 |

| 20227 2 0.10 20230 1 0.05 20233 1 0.05 20237 2 0.10 20238 1 0.05 20240 1 0.05 20244 1 0.05 20249 1 0.05 20258 1 0.05 20262 1 0.05 20284 1 0.05 20294 2 0.10 20298 2 0.10 20301 1 0.05 20302 1 0.05 20304 1 0.05 20304 1 0.05 20304 1 0.05 20304 1 0.05 20304 1 0.05 20319 1 0.05 20321 1 0.05 20323 2 0.10 20324 1 0.05 20325 1 | Cust_Income | Frequency | Percent |
|---|-------------|-----------|---------|
| 20230 1 0.05 20237 2 0.10 20238 1 0.05 20240 1 0.05 20244 1 0.05 20249 1 0.05 20257 1 0.05 20258 1 0.05 20284 1 0.05 20294 2 0.10 20298 2 0.10 20301 1 0.05 20302 1 0.05 20304 1 0.05 20305 1 0.05 20306 1 0.05 20319 1 0.05 20321 1 0.05 20323 2 0.10 20324 1 0.05 20325 1 0.05 20326 1 0.05 20327 2 0.10 20329 1 0.05 20329 1 0.05 20335 1 0.05 20342 | 20221 | 1 | 0.05 |
| 20233 1 0.05 20237 2 0.10 20238 1 0.05 20240 1 0.05 20244 1 0.05 20249 1 0.05 20257 1 0.05 20262 1 0.05 20284 1 0.05 20294 2 0.10 20298 2 0.10 20301 1 0.05 20302 1 0.05 20304 1 0.05 20305 1 0.05 20306 1 0.05 20319 1 0.05 20320 1 0.05 20321 1 0.05 20323 2 0.10 20324 1 0.05 20325 1 0.05 20326 1 0.05 20327 2 0.10 20329 1 0.05 20337 1 0.05 20342 | 20227 | 2 | 0.10 |
| 20237 2 0.10 20238 1 0.05 20240 1 0.05 20244 1 0.05 20249 1 0.05 20257 1 0.05 20258 1 0.05 20284 1 0.05 20294 2 0.10 20394 2 0.10 20301 1 0.05 20302 1 0.05 20304 1 0.05 20305 1 0.05 20306 1 0.05 20319 1 0.05 20320 1 0.05 20321 1 0.05 20323 2 0.10 20324 1 0.05 20325 1 0.05 20326 1 0.05 20327 2 0.10 20329 1 0.05 20335 1 0.05 20342 1 0.05 20342 | 20230 | 1 | 0.05 |
| 20238 1 0.05 20240 1 0.05 20244 1 0.05 20249 1 0.05 20257 1 0.05 20258 1 0.05 20284 1 0.05 20294 2 0.10 20298 2 0.10 20301 1 0.05 20302 1 0.05 20304 1 0.05 20305 1 0.05 20306 1 0.05 20319 1 0.05 20320 1 0.05 20321 1 0.05 20323 2 0.10 20324 1 0.05 20325 1 0.05 20326 1 0.05 20327 2 0.10 20329 1 0.05 20335 1 0.05 20337 1 0.05 20342 1 0.05 20342 | 20233 | 1 | 0.05 |
| 20240 1 0.05 20244 1 0.05 20249 1 0.05 20257 1 0.05 20258 1 0.05 20262 1 0.05 20284 1 0.05 20294 2 0.10 20398 2 0.10 20301 1 0.05 20302 1 0.05 20304 1 0.05 20305 1 0.05 20319 1 0.05 20320 1 0.05 20321 1 0.05 20323 2 0.10 20324 1 0.05 20325 1 0.05 20326 1 0.05 20327 2 0.10 20329 1 0.05 20329 1 0.05 20327 2 0.10 20329 1 0.05 20337 1 0.05 20342 | 20237 | 2 | 0.10 |
| 20244 1 0.05 20257 1 0.05 20258 1 0.05 20262 1 0.05 20284 1 0.05 20294 2 0.10 20298 2 0.10 20301 1 0.05 20302 1 0.05 20304 1 0.05 20306 1 0.05 20319 1 0.05 20320 1 0.05 20321 1 0.05 20323 2 0.10 20324 1 0.05 20325 1 0.05 20326 1 0.05 20327 2 0.10 20329 1 0.05 20335 1 0.05 20337 1 0.05 20342 1 0.05 20342 1 0.05 20346 1 0.05 | 20238 | 1 | 0.05 |
| 20249 1 0.05 20257 1 0.05 20262 1 0.05 20284 1 0.05 20285 1 0.05 20298 2 0.10 20301 1 0.05 20302 1 0.05 20304 1 0.05 20306 1 0.05 20319 1 0.05 20320 1 0.05 20321 1 0.05 20323 2 0.10 20324 1 0.05 20325 1 0.05 20326 1 0.05 20327 2 0.10 20329 1 0.05 20335 1 0.05 20335 1 0.05 20342 1 0.05 20342 1 0.05 20343 2 0.10 20346 1 0.05 | 20240 | 1 | 0.05 |
| 20257 1 0.05 20258 1 0.05 20262 1 0.05 20284 1 0.05 20295 1 0.05 20294 2 0.10 20301 1 0.05 20302 1 0.05 20304 1 0.05 20306 1 0.05 20319 1 0.05 20320 1 0.05 20321 1 0.05 20323 2 0.10 20324 1 0.05 20325 1 0.05 20326 1 0.05 20327 2 0.10 20329 1 0.05 20335 1 0.05 20342 1 0.05 20342 1 0.05 20343 2 0.10 20346 1 0.05 | 20244 | 1 | 0.05 |
| 20258 1 0.05 20262 1 0.05 20284 1 0.05 20285 1 0.05 20294 2 0.10 20298 2 0.10 20301 1 0.05 20302 1 0.05 20304 1 0.05 20319 1 0.05 20320 1 0.05 20321 1 0.05 20323 2 0.10 20324 1 0.05 20325 1 0.05 20326 1 0.05 20327 2 0.10 20329 1 0.05 20335 1 0.05 20337 1 0.05 20342 1 0.05 20342 1 0.05 20346 1 0.05 | 20249 | 1 | 0.05 |
| 20262 1 0.05 20284 1 0.05 20294 2 0.10 20298 2 0.10 20301 1 0.05 20302 1 0.05 20304 1 0.05 20319 1 0.05 20320 1 0.05 20321 1 0.05 20323 2 0.10 20324 1 0.05 20325 1 0.05 20326 1 0.05 20327 2 0.10 20329 1 0.05 20335 1 0.05 20337 1 0.05 20342 1 0.05 20342 1 0.05 20346 1 0.05 | 20257 | 1 | 0.05 |
| 20284 1 0.05 20294 2 0.10 20298 2 0.10 20301 1 0.05 20302 1 0.05 20304 1 0.05 20306 1 0.05 20319 1 0.05 20320 1 0.05 20321 1 0.05 20323 2 0.10 20324 1 0.05 20325 1 0.05 20326 1 0.05 20327 2 0.10 20329 1 0.05 20335 1 0.05 20337 1 0.05 20342 1 0.05 20342 1 0.05 20346 1 0.05 | 20258 | 1 | 0.05 |
| 20285 1 0.05 20294 2 0.10 20301 1 0.05 20302 1 0.05 20304 1 0.05 20306 1 0.05 20319 1 0.05 20320 1 0.05 20321 1 0.05 20323 2 0.10 20324 1 0.05 20325 1 0.05 20326 1 0.05 20327 2 0.10 20329 1 0.05 20335 1 0.05 20337 1 0.05 20342 1 0.05 20342 1 0.05 20343 2 0.10 20346 1 0.05 | 20262 | 1 | 0.05 |
| 20294 2 0.10 20298 2 0.10 20301 1 0.05 20302 1 0.05 20304 1 0.05 20306 1 0.05 20319 1 0.05 20320 1 0.05 20321 1 0.05 20323 2 0.10 20324 1 0.05 20325 1 0.05 20326 1 0.05 20327 2 0.10 20329 1 0.05 20335 1 0.05 20342 1 0.05 20342 1 0.05 20343 2 0.10 20346 1 0.05 | 20284 | 1 | 0.05 |
| 20298 2 0.10 20301 1 0.05 20302 1 0.05 20304 1 0.05 20306 1 0.05 20319 1 0.05 20320 1 0.05 20321 1 0.05 20323 2 0.10 20324 1 0.05 20325 1 0.05 20326 1 0.05 20327 2 0.10 20329 1 0.05 20335 1 0.05 20342 1 0.05 20342 1 0.05 20343 2 0.10 20346 1 0.05 | 20285 | 1 | 0.05 |
| 20301 1 0.05 20302 1 0.05 20306 1 0.05 20319 1 0.05 20320 1 0.05 20321 1 0.05 20323 2 0.10 20324 1 0.05 20325 1 0.05 20326 1 0.05 20327 2 0.10 20329 1 0.05 20335 1 0.05 20342 1 0.05 20342 1 0.05 20343 2 0.10 20346 1 0.05 | 20294 | 2 | 0.10 |
| 20302 1 0.05 20304 1 0.05 20319 1 0.05 20320 1 0.05 20321 1 0.05 20323 2 0.10 20324 1 0.05 20325 1 0.05 20326 1 0.05 20327 2 0.10 20329 1 0.05 20335 1 0.05 20342 1 0.05 20342 1 0.05 20343 2 0.10 20346 1 0.05 | 20298 | 2 | 0.10 |
| 20304 1 0.05 20306 1 0.05 20319 1 0.05 20320 1 0.05 20321 1 0.05 20323 2 0.10 20324 1 0.05 20325 1 0.05 20326 1 0.05 20327 2 0.10 20329 1 0.05 20335 1 0.05 20337 1 0.05 20342 1 0.05 20343 2 0.10 20346 1 0.05 | 20301 | 1 | 0.05 |
| 20306 1 0.05 20319 1 0.05 20320 1 0.05 20321 1 0.05 20323 2 0.10 20324 1 0.05 20325 1 0.05 20326 1 0.05 20327 2 0.10 20329 1 0.05 20335 1 0.05 20337 1 0.05 20342 1 0.05 20343 2 0.10 20346 1 0.05 | 20302 | 1 | 0.05 |
| 20319 1 0.05 20320 1 0.05 20321 1 0.05 20323 2 0.10 20324 1 0.05 20325 1 0.05 20326 1 0.05 20327 2 0.10 20329 1 0.05 20335 1 0.05 20342 1 0.05 20342 1 0.05 20343 2 0.10 20346 1 0.05 | 20304 | 1 | 0.05 |
| 20320 1 0.05 20321 1 0.05 20323 2 0.10 20324 1 0.05 20325 1 0.05 20326 1 0.05 20327 2 0.10 20329 1 0.05 20335 1 0.05 20342 1 0.05 20342 1 0.05 20343 2 0.10 20346 1 0.05 | 20306 | 1 | 0.05 |
| 20321 1 0.05 20323 2 0.10 20324 1 0.05 20325 1 0.05 20326 1 0.05 20327 2 0.10 20329 1 0.05 20335 1 0.05 20342 1 0.05 20342 1 0.05 20343 2 0.10 20346 1 0.05 | 20319 | 1 | 0.05 |
| 20323 2 0.10 20324 1 0.05 20325 1 0.05 20326 1 0.05 20327 2 0.10 20329 1 0.05 20335 1 0.05 20342 1 0.05 20342 1 0.05 20343 2 0.10 20346 1 0.05 | 20320 | 1 | 0.05 |
| 20324 1 0.05 20325 1 0.05 20326 1 0.05 20327 2 0.10 20329 1 0.05 20335 1 0.05 20337 1 0.05 20342 1 0.05 20343 2 0.10 20346 1 0.05 | 20321 | 1 | 0.05 |
| 20325 1 0.05 20326 1 0.05 20327 2 0.10 20329 1 0.05 20335 1 0.05 20337 1 0.05 20342 1 0.05 20343 2 0.10 20346 1 0.05 | 20323 | 2 | 0.10 |
| 20326 1 0.05 20327 2 0.10 20329 1 0.05 20335 1 0.05 20337 1 0.05 20342 1 0.05 20343 2 0.10 20346 1 0.05 | 20324 | 1 | 0.05 |
| 20327 2 0.10 20329 1 0.05 20335 1 0.05 20337 1 0.05 20342 1 0.05 20343 2 0.10 20346 1 0.05 | 20325 | 1 | 0.05 |
| 20329 1 0.05 20335 1 0.05 20337 1 0.05 20342 1 0.05 20343 2 0.10 20346 1 0.05 | 20326 | 1 | 0.05 |
| 20335 1 0.05 20337 1 0.05 20342 1 0.05 20343 2 0.10 20346 1 0.05 | 20327 | 2 | 0.10 |
| 20337 1 0.05 20342 1 0.05 20343 2 0.10 20346 1 0.05 | 20329 | 1 | 0.05 |
| 20342 1 0.05 20343 2 0.10 20346 1 0.05 | 20335 | 1 | 0.05 |
| 20343 2 0.10 20346 1 0.05 | 20337 | 1 | 0.05 |
| 20346 1 0.05 | 20342 | 1 | 0.05 |
| | 20343 | 2 | 0.10 |
| 20363 1 0.05 | 20346 | 1 | 0.05 |
| | 20363 | 1 | 0.05 |
| 20364 1 0.05 | 20364 | 1 | 0.05 |
| 20373 2 0.10 | 20373 | 2 | 0.10 |

| Cust_Income | Frequency | Percent |
|-------------|-----------|---------|
| 20377 | 1 | 0.05 |
| 20380 | 1 | 0.05 |
| 20385 | 2 | 0.10 |
| 20390 | 1 | 0.05 |
| 20393 | 1 | 0.05 |
| 20396 | 2 | 0.10 |
| 20401 | 1 | 0.05 |
| 20405 | 3 | 0.16 |
| 20410 | 2 | 0.10 |
| 20420 | 1 | 0.05 |
| 20429 | 1 | 0.05 |
| 20434 | 1 | 0.05 |
| 20440 | 3 | 0.16 |
| 20441 | 1 | 0.05 |
| 20444 | 1 | 0.05 |
| 20447 | 1 | 0.05 |
| 20449 | 2 | 0.10 |
| 20454 | 1 | 0.05 |
| 20467 | 1 | 0.05 |
| 20470 | 1 | 0.05 |
| 20476 | 1 | 0.05 |
| 20477 | 1 | 0.05 |
| 20482 | 1 | 0.05 |
| 20484 | 3 | 0.16 |
| 20485 | 2 | 0.10 |
| 20486 | 1 | 0.05 |
| 20487 | 1 | 0.05 |
| 20488 | 1 | 0.05 |
| 20490 | 1 | 0.05 |
| 20502 | 2 | 0.10 |
| 20507 | 2 | 0.10 |
| 20522 | 1 | 0.05 |
| 20523 | 1 | 0.05 |
| 20534 | 1 | 0.05 |
| 20537 | 2 | 0.10 |
| 20538 | 1 | 0.05 |
| 20539 | 1 | 0.05 |

| Cust_Income | Frequency | Percent |
|-------------|-----------|---------|
| 20558 | 1 | 0.05 |
| 20559 | 1 | 0.05 |
| 20561 | 1 | 0.05 |
| 20562 | 1 | 0.05 |
| 20568 | 1 | 0.05 |
| 20581 | 2 | 0.10 |
| 20582 | 1 | 0.05 |
| 20591 | 1 | 0.05 |
| 20605 | 2 | 0.10 |
| 20639 | 2 | 0.10 |
| 20647 | 2 | 0.10 |
| 20649 | 1 | 0.05 |
| 20675 | 1 | 0.05 |
| 20677 | 1 | 0.05 |
| 20680 | 1 | 0.05 |
| 20682 | 1 | 0.05 |
| 20689 | 1 | 0.05 |
| 20695 | 1 | 0.05 |
| 20714 | 2 | 0.10 |
| 20721 | 2 | 0.10 |
| 20723 | 1 | 0.05 |
| 20724 | 1 | 0.05 |
| 20728 | 1 | 0.05 |
| 20735 | 1 | 0.05 |
| 20741 | 1 | 0.05 |
| 20743 | 1 | 0.05 |
| 20744 | 1 | 0.05 |
| 20745 | 1 | 0.05 |
| 20765 | 2 | 0.10 |
| 20768 | 3 | 0.16 |
| 20769 | 2 | 0.10 |
| 20772 | 1 | 0.05 |
| 20775 | 2 | 0.10 |
| 20779 | 2 | 0.10 |
| 20787 | 1 | 0.05 |
| 20789 | 1 | 0.05 |
| 20805 | 1 | 0.05 |

| Cust_Income | Frequency | Percent |
|-------------|-----------|---------|
| 20809 | 2 | 0.10 |
| 20813 | 1 | 0.05 |
| 20828 | 2 | 0.10 |
| 20850 | 1 | 0.05 |
| 20851 | 1 | 0.05 |
| 20855 | 3 | 0.16 |
| 20869 | 1 | 0.05 |
| 20877 | 1 | 0.05 |
| 20878 | 2 | 0.10 |
| 20883 | 1 | 0.05 |
| 20898 | 1 | 0.05 |
| 20900 | 2 | 0.10 |
| 20908 | 1 | 0.05 |
| 20914 | 1 | 0.05 |
| 20936 | 1 | 0.05 |
| 20941 | 1 | 0.05 |
| 20950 | 1 | 0.05 |
| 20960 | 1 | 0.05 |
| 20963 | 1 | 0.05 |
| 20968 | 1 | 0.05 |
| 20974 | 1 | 0.05 |
| 20978 | 2 | 0.10 |
| 20980 | 2 | 0.10 |
| 20998 | 1 | 0.05 |
| 20999 | 2 | 0.10 |
| 21003 | 1 | 0.05 |
| 21010 | 1 | 0.05 |
| 21029 | 1 | 0.05 |
| 21032 | 1 | 0.05 |
| 21055 | 1 | 0.05 |
| 21056 | 1 | 0.05 |
| 21062 | 2 | 0.10 |
| 21067 | 1 | 0.05 |
| 21070 | 1 | 0.05 |
| 21074 | 1 | 0.05 |
| 21077 | 1 | 0.05 |
| 21079 | 1 | 0.05 |

| Cust_Income | Frequency | Percent |
|-------------|-----------|---------|
| 21087 | 1 | 0.05 |
| 21093 | 1 | 0.05 |
| 21094 | 2 | 0.10 |
| 21098 | 2 | 0.10 |
| 21118 | 1 | 0.05 |
| 21120 | 2 | 0.10 |
| 21121 | 1 | 0.05 |
| 21126 | 1 | 0.05 |
| 21130 | 1 | 0.05 |
| 21132 | 1 | 0.05 |
| 21134 | 1 | 0.05 |
| 21142 | 4 | 0.21 |
| 21146 | 2 | 0.10 |
| 21147 | 1 | 0.05 |
| 21154 | 1 | 0.05 |
| 21155 | 1 | 0.05 |
| 21160 | 1 | 0.05 |
| 21162 | 1 | 0.05 |
| 21163 | 1 | 0.05 |
| 21171 | 1 | 0.05 |
| 21172 | 1 | 0.05 |
| 21175 | 1 | 0.05 |
| 21204 | 2 | 0.10 |
| 21214 | 2 | 0.10 |
| 21220 | 2 | 0.10 |
| 21228 | 2 | 0.10 |
| 21230 | 1 | 0.05 |
| 21231 | 1 | 0.05 |
| 21238 | 2 | 0.10 |
| 21244 | 1 | 0.05 |
| 21253 | 1 | 0.05 |
| 21257 | 1 | 0.05 |
| 21258 | 1 | 0.05 |
| 21272 | 1 | 0.05 |
| 21274 | 1 | 0.05 |
| 21294 | 1 | 0.05 |
| 21295 | 2 | 0.10 |

| | | Percent |
|-------|---|---------|
| 21296 | 1 | 0.05 |
| 21301 | 2 | 0.10 |
| 21304 | 1 | 0.05 |
| 21306 | 1 | 0.05 |
| 21322 | 1 | 0.05 |
| 21324 | 1 | 0.05 |
| 21329 | 1 | 0.05 |
| 21332 | 2 | 0.10 |
| 21334 | 1 | 0.05 |
| 21343 | 3 | 0.16 |
| 21346 | 3 | 0.16 |
| 21347 | 2 | 0.10 |
| 21377 | 1 | 0.05 |
| 21380 | 1 | 0.05 |
| 21381 | 1 | 0.05 |
| 21388 | 2 | 0.10 |
| 21392 | 1 | 0.05 |
| 21397 | 1 | 0.05 |
| 21399 | 1 | 0.05 |
| 21406 | 1 | 0.05 |
| 21410 | 1 | 0.05 |
| 21415 | 1 | 0.05 |
| 21434 | 1 | 0.05 |
| 21439 | 2 | 0.10 |
| 21447 | 1 | 0.05 |
| 21454 | 1 | 0.05 |
| 21465 | 1 | 0.05 |
| 21468 | 1 | 0.05 |
| 21472 | 2 | 0.10 |
| 21474 | 1 | 0.05 |
| 21484 | 2 | 0.10 |
| 21485 | 2 | 0.10 |
| 21486 | 1 | 0.05 |
| 21487 | 1 | 0.05 |
| 21488 | 1 | 0.05 |
| 21500 | 1 | 0.05 |
| 21502 | 1 | 0.05 |

| Cust_Income | Frequency | Percent |
|-------------|-----------|---------|
| 21505 | 1 | 0.05 |
| 21516 | 1 | 0.05 |
| 21524 | 1 | 0.05 |
| 21545 | 2 | 0.10 |
| 21549 | 1 | 0.05 |
| 21562 | 1 | 0.05 |
| 21567 | 1 | 0.05 |
| 21582 | 1 | 0.05 |
| 21586 | 1 | 0.05 |
| 21632 | 1 | 0.05 |
| 21646 | 1 | 0.05 |
| 21653 | 1 | 0.05 |
| 21666 | 1 | 0.05 |
| 21673 | 1 | 0.05 |
| 21674 | 1 | 0.05 |
| 21679 | 2 | 0.10 |
| 21689 | 1 | 0.05 |
| 21696 | 2 | 0.10 |
| 21715 | 2 | 0.10 |
| 21728 | 2 | 0.10 |
| 21731 | 1 | 0.05 |
| 21735 | 2 | 0.10 |
| 21736 | 1 | 0.05 |
| 21743 | 2 | 0.10 |
| 21744 | 2 | 0.10 |
| 21745 | 1 | 0.05 |
| 21762 | 1 | 0.05 |
| 21765 | 1 | 0.05 |
| 21768 | 1 | 0.05 |
| 21769 | 1 | 0.05 |
| 21770 | 2 | 0.10 |
| 21772 | 1 | 0.05 |
| 21781 | 1 | 0.05 |
| 21782 | 1 | 0.05 |
| 21804 | 2 | 0.10 |
| 21810 | 1 | 0.05 |
| 21811 | 2 | 0.10 |

| Cust_Income | Frequency | Percent |
|-------------|-----------|---------|
| 21812 | 1 | 0.05 |
| 21813 | 1 | 0.05 |
| 21825 | 2 | 0.10 |
| 21833 | 1 | 0.05 |
| 21854 | 1 | 0.05 |
| 21861 | 1 | 0.05 |
| 21870 | 1 | 0.05 |
| 21883 | 2 | 0.10 |
| 21893 | 1 | 0.05 |
| 21902 | 2 | 0.10 |
| 21906 | 1 | 0.05 |
| 21914 | 1 | 0.05 |
| 21929 | 1 | 0.05 |
| 21931 | 1 | 0.05 |
| 21932 | 2 | 0.10 |
| 21933 | 2 | 0.10 |
| 21940 | 1 | 0.05 |
| 21949 | 1 | 0.05 |
| 21957 | 1 | 0.05 |
| 21974 | 1 | 0.05 |
| 21980 | 1 | 0.05 |
| 21985 | 1 | 0.05 |
| 22005 | 1 | 0.05 |
| 22077 | 2 | 0.10 |
| 22083 | 2 | 0.10 |
| 22091 | 1 | 0.05 |
| 22094 | 2 | 0.10 |
| 22119 | 1 | 0.05 |
| 22120 | 1 | 0.05 |
| 22132 | 1 | 0.05 |
| 22134 | 1 | 0.05 |
| 22140 | 1 | 0.05 |
| 22142 | 1 | 0.05 |
| 22143 | 1 | 0.05 |
| 22146 | 1 | 0.05 |
| 22162 | 1 | 0.05 |
| 22179 | 1 | 0.05 |

| Cust_Income | Frequency | Percent |
|-------------|-----------|---------|
| 22180 | 1 | 0.05 |
| 22201 | 1 | 0.05 |
| 22209 | 1 | 0.05 |
| 22220 | 1 | 0.05 |
| 22232 | 1 | 0.05 |
| 22260 | 1 | 0.05 |
| 22261 | 1 | 0.05 |
| 22272 | 1 | 0.05 |
| 22294 | 2 | 0.10 |
| 22295 | 1 | 0.05 |
| 22323 | 1 | 0.05 |
| 22336 | 1 | 0.05 |
| 22347 | 3 | 0.16 |
| 22351 | 1 | 0.05 |
| 22377 | 1 | 0.05 |
| 22388 | 1 | 0.05 |
| 22392 | 2 | 0.10 |
| 22403 | 1 | 0.05 |
| 22412 | 2 | 0.10 |
| 22428 | 1 | 0.05 |
| 22430 | 1 | 0.05 |
| 22434 | 1 | 0.05 |
| 22441 | 1 | 0.05 |
| 22446 | 1 | 0.05 |
| 22465 | 2 | 0.10 |
| 22474 | 2 | 0.10 |
| 22484 | 1 | 0.05 |
| 22491 | 2 | 0.10 |
| 22502 | 1 | 0.05 |
| 22510 | 1 | 0.05 |
| 22538 | 2 | 0.10 |
| 22545 | 1 | 0.05 |
| 22549 | 1 | 0.05 |
| 22553 | 1 | 0.05 |
| 22578 | 1 | 0.05 |
| 22623 | 1 | 0.05 |
| 22625 | 1 | 0.05 |

| Cust_Income | Frequency | Percent |
|-------------|-----------|---------|
| 22632 | 1 | 0.05 |
| 22637 | 1 | 0.05 |
| 22642 | 2 | 0.10 |
| 22644 | 2 | 0.10 |
| 22651 | 1 | 0.05 |
| 22653 | 1 | 0.05 |
| 22654 | 1 | 0.05 |
| 22673 | 2 | 0.10 |
| 22674 | 2 | 0.10 |
| 22694 | 1 | 0.05 |
| 22696 | 1 | 0.05 |
| 22725 | 2 | 0.10 |
| 22735 | 1 | 0.05 |
| 22755 | 1 | 0.05 |
| 22756 | 1 | 0.05 |
| 22779 | 1 | 0.05 |
| 22796 | 1 | 0.05 |
| 22799 | 1 | 0.05 |
| 22804 | 1 | 0.05 |
| 22815 | 1 | 0.05 |
| 22833 | 1 | 0.05 |
| 22842 | 1 | 0.05 |
| 22847 | 1 | 0.05 |
| 22854 | 1 | 0.05 |
| 22861 | 3 | 0.16 |
| 22870 | 1 | 0.05 |
| 22879 | 1 | 0.05 |
| 22883 | 1 | 0.05 |
| 22893 | 1 | 0.05 |
| 22898 | 2 | 0.10 |
| 22918 | 1 | 0.05 |
| 22929 | 2 | 0.10 |
| 22931 | 1 | 0.05 |
| 22932 | 1 | 0.05 |
| 22945 | 1 | 0.05 |
| 22949 | 1 | 0.05 |
| 22962 | 1 | 0.05 |

| Cust_Income | Frequency | Percent |
|-------------|-----------|---------|
| 22969 | 1 | 0.05 |
| 23005 | 2 | 0.10 |
| 23020 | 1 | 0.05 |
| 23082 | 1 | 0.05 |
| 23095 | 2 | 0.10 |
| 23103 | 1 | 0.05 |
| 23104 | 1 | 0.05 |
| 23120 | 1 | 0.05 |
| 23189 | 1 | 0.05 |
| 23237 | 1 | 0.05 |
| 23264 | 1 | 0.05 |
| 23268 | 2 | 0.10 |
| 23314 | 2 | 0.10 |
| 23321 | 1 | 0.05 |
| 23346 | 1 | 0.05 |
| 23351 | 2 | 0.10 |
| 23376 | 1 | 0.05 |
| 23379 | 1 | 0.05 |
| 23380 | 1 | 0.05 |
| 23381 | 1 | 0.05 |
| 23403 | 2 | 0.10 |
| 23406 | 1 | 0.05 |
| 23412 | 2 | 0.10 |
| 23428 | 1 | 0.05 |
| 23446 | 2 | 0.10 |
| 23474 | 1 | 0.05 |
| 23484 | 1 | 0.05 |
| 23491 | 1 | 0.05 |
| 23500 | 1 | 0.05 |
| 23510 | 1 | 0.05 |
| 23547 | 1 | 0.05 |
| 23578 | 2 | 0.10 |
| 23587 | 2 | 0.10 |
| 23606 | 1 | 0.05 |
| 23620 | 1 | 0.05 |
| 23621 | 1 | 0.05 |
| 23625 | 1 | 0.05 |

| Cust_Income | Frequency | Percent |
|-------------|-----------|---------|
| 23628 | 1 | 0.05 |
| 23633 | 1 | 0.05 |
| 23642 | 1 | 0.05 |
| 23654 | 1 | 0.05 |
| 23655 | 1 | 0.05 |
| 23722 | 1 | 0.05 |
| 23725 | 1 | 0.05 |
| 23756 | 1 | 0.05 |
| 23779 | 1 | 0.05 |
| 23793 | 1 | 0.05 |
| 23823 | 2 | 0.10 |
| 23837 | 2 | 0.10 |
| 23858 | 1 | 0.05 |
| 23861 | 1 | 0.05 |
| 23879 | 1 | 0.05 |
| 23880 | 1 | 0.05 |
| 23898 | 1 | 0.05 |
| 23926 | 2 | 0.10 |
| 23938 | 1 | 0.05 |
| 23943 | 1 | 0.05 |
| 23945 | 1 | 0.05 |
| 23991 | 1 | 0.05 |
| 23998 | 2 | 0.10 |
| 24008 | 1 | 0.05 |
| 24020 | 1 | 0.05 |
| 24069 | 1 | 0.05 |
| 24071 | 1 | 0.05 |
| 24094 | 1 | 0.05 |
| 24095 | 1 | 0.05 |
| 24103 | 1 | 0.05 |
| 24161 | 1 | 0.05 |
| 24208 | 1 | 0.05 |
| 24224 | 1 | 0.05 |
| 24237 | 1 | 0.05 |
| 24241 | 1 | 0.05 |
| 24250 | 2 | 0.10 |
| 24268 | 1 | 0.05 |

| 24321 | 1 | 0.05 |
|-------|---|------|
| 24355 | 1 | 0.05 |
| 24362 | 1 | 0.05 |
| 24376 | 1 | 0.05 |
| 24380 | 3 | 0.16 |
| 24396 | 1 | 0.05 |
| 24434 | 1 | 0.05 |
| 24439 | 2 | 0.10 |
| 24446 | 1 | 0.05 |
| 24463 | 1 | 0.05 |
| 24474 | 1 | 0.05 |
| 24500 | 1 | 0.05 |
| 24525 | 1 | 0.05 |
| 24526 | 2 | 0.10 |
| 24602 | 2 | 0.10 |
| 24610 | 1 | 0.05 |
| 24620 | 1 | 0.05 |
| 24621 | 2 | 0.10 |
| 24628 | 1 | 0.05 |
| 24637 | 1 | 0.05 |
| 24639 | 1 | 0.05 |
| 24679 | 1 | 0.05 |
| 24705 | 1 | 0.05 |
| 24713 | 1 | 0.05 |
| 24714 | 2 | 0.10 |
| 24726 | 1 | 0.05 |
| 24738 | 1 | 0.05 |
| 24740 | 1 | 0.05 |
| 24824 | 2 | 0.10 |
| 24834 | 1 | 0.05 |
| 24837 | 1 | 0.05 |
| 24847 | 2 | 0.10 |
| 24853 | 2 | 0.10 |
| 24858 | 1 | 0.05 |
| 24950 | 2 | 0.10 |
| 24957 | 1 | 0.05 |
| 24980 | 1 | 0.05 |

| 24991 1 0.05 24998 2 0.10 25008 1 0.05 25048 1 0.05 25094 1 0.05 25096 2 0.10 25124 1 0.05 25169 1 0.05 25231 1 0.05 25239 2 0.10 25241 1 0.05 25274 1 0.05 25306 2 0.10 25322 1 0.05 25333 1 0.05 25333 1 0.05 25338 1 0.05 25388 1 0.05 25388 1 0.05 25400 2 0.10 25422 1 0.05 25453 1 0.05 25452 1 0.05 25466 1 0.05 25512 1 0.05 25546 1 0.05 25552 | Cust_Income | Frequency | Percent |
|---|-------------|-----------|---------|
| 25008 1 0.05 25048 1 0.05 25094 1 0.05 25096 2 0.10 25124 1 0.05 25169 1 0.05 25221 1 0.05 25231 1 0.05 25239 2 0.10 25241 1 0.05 25274 1 0.05 25306 2 0.10 25322 1 0.05 25325 1 0.05 25333 1 0.05 25333 1 0.05 25380 1 0.05 25388 1 0.05 25388 1 0.05 25340 2 0.10 25422 1 0.05 25453 1 0.05 25453 1 0.05 25452 1 0.05 25466 1 | 24991 | 1 | 0.05 |
| 25048 | 24998 | 2 | 0.10 |
| 25094 1 0.05 25096 2 0.10 25124 1 0.05 25169 1 0.05 25221 1 0.05 25231 1 0.05 25239 2 0.10 25241 1 0.05 25274 1 0.05 25306 2 0.10 25322 1 0.05 25325 1 0.05 25333 1 0.05 25380 1 0.05 25388 1 0.05 25388 1 0.05 25396 1 0.05 25422 1 0.05 25447 1 0.05 25453 1 0.05 25453 1 0.05 25452 1 0.05 25482 1 0.05 25502 1 0.05 25512 1 0.05 25526 1 0.05 25547 | 25008 | 1 | 0.05 |
| 25096 2 0.10 25124 1 0.05 25169 1 0.05 25221 1 0.05 25231 1 0.05 25239 2 0.10 25241 1 0.05 25278 1 0.05 25306 2 0.10 25322 1 0.05 25323 1 0.05 25333 1 0.05 25355 1 0.05 25380 1 0.05 25388 1 0.05 25396 1 0.05 25396 1 0.05 25422 1 0.05 25447 1 0.05 25453 1 0.05 25453 1 0.05 25466 1 0.05 25512 1 0.05 25526 1 0.05 25547 1 0.05 25542 1 0.05 25542 | 25048 | 1 | 0.05 |
| 25124 1 0.05 25169 1 0.05 25221 1 0.05 25231 1 0.05 25239 2 0.10 25241 1 0.05 25274 1 0.05 25306 2 0.10 25322 1 0.05 25333 1 0.05 25333 1 0.05 25380 1 0.05 25388 1 0.05 25396 1 0.05 25400 2 0.10 25422 1 0.05 25447 1 0.05 25453 1 0.05 25453 1 0.05 25452 1 0.05 25545 1 0.05 25552 1 0.05 25512 1 0.05 25526 1 0.05 25547 1 0.05 25582 1 0.05 25582 | 25094 | 1 | 0.05 |
| 25169 1 0.05 25221 1 0.05 25231 1 0.05 25239 2 0.10 25241 1 0.05 25278 1 0.05 25306 2 0.10 25322 1 0.05 25325 1 0.05 25333 1 0.05 25380 1 0.05 25388 1 0.05 25396 1 0.05 25400 2 0.10 25422 1 0.05 25447 1 0.05 25453 1 0.05 25453 1 0.05 25452 1 0.05 25482 1 0.05 25502 1 0.05 25526 1 0.05 25525 1 0.05 25526 1 0.05 25532 1 0.05 25532 1 0.05 25532 | 25096 | 2 | 0.10 |
| 25221 1 0.05 25231 1 0.05 25239 2 0.10 25241 1 0.05 25278 1 0.05 25306 2 0.10 25322 1 0.05 25333 1 0.05 25385 1 0.05 25388 1 0.05 25396 1 0.05 25400 2 0.10 25422 1 0.05 25423 1 0.05 25447 1 0.05 25453 1 0.05 25453 1 0.05 25482 1 0.05 25502 1 0.05 25512 1 0.05 25526 1 0.05 25525 1 0.05 25582 1 0.05 25582 1 0.05 25582 1 0.05 25637 1 0.05 2563 | 25124 | 1 | 0.05 |
| 25231 1 0.05 25239 2 0.10 25241 1 0.05 25274 1 0.05 25306 2 0.10 25322 1 0.05 25325 1 0.05 25333 1 0.05 25380 1 0.05 25388 1 0.05 25396 1 0.05 25400 2 0.10 25422 1 0.05 25447 1 0.05 25453 1 0.05 25466 1 0.05 25482 1 0.05 25502 1 0.05 25512 1 0.05 25526 1 0.05 25525 1 0.05 25525 1 0.05 25582 1 0.05 25582 1 0.05 25582 1 0.05 25637 1 0.05 2563 | 25169 | 1 | 0.05 |
| 25239 2 0.10 25241 1 0.05 25278 1 0.05 25306 2 0.10 25322 1 0.05 25325 1 0.05 25333 1 0.05 25380 1 0.05 25388 1 0.05 25396 1 0.05 25400 2 0.10 25422 1 0.05 25453 1 0.05 25453 1 0.05 25482 1 0.05 25502 1 0.05 25512 1 0.05 25526 1 0.05 25527 1 0.05 25582 1 0.05 25637 1 0.05 | 25221 | 1 | 0.05 |
| 25241 1 0.05 25274 1 0.05 25278 1 0.05 25306 2 0.10 25322 1 0.05 25325 1 0.05 25333 1 0.05 25380 1 0.05 25388 1 0.05 25396 1 0.05 25400 2 0.10 25422 1 0.05 25447 1 0.05 25453 1 0.05 25466 1 0.05 25482 1 0.05 25502 1 0.05 25512 1 0.05 25526 1 0.05 25547 1 0.05 25582 1 0.05 25619 1 0.05 25637 1 0.05 | 25231 | 1 | 0.05 |
| 25274 1 0.05 25278 1 0.05 25306 2 0.10 25322 1 0.05 25325 1 0.05 25333 1 0.05 25380 1 0.05 25388 1 0.05 25396 1 0.05 25400 2 0.10 25422 1 0.05 25447 1 0.05 25453 1 0.05 25466 1 0.05 25482 1 0.05 25502 1 0.05 25512 1 0.05 25526 1 0.05 25527 1 0.05 25582 1 0.05 25637 1 0.05 | 25239 | 2 | 0.10 |
| 25278 1 0.05 25306 2 0.10 25322 1 0.05 25325 1 0.05 25333 1 0.05 25380 1 0.05 25388 1 0.05 25396 1 0.05 25400 2 0.10 25422 1 0.05 25447 1 0.05 25453 1 0.05 25466 1 0.05 25482 1 0.05 25502 1 0.05 25512 1 0.05 25526 1 0.05 25547 1 0.05 25582 1 0.05 25582 1 0.05 25619 1 0.05 | 25241 | 1 | 0.05 |
| 25306 2 0.10 25322 1 0.05 25325 1 0.05 25333 1 0.05 25355 1 0.05 25380 1 0.05 25388 1 0.05 25396 1 0.05 25400 2 0.10 25422 1 0.05 25447 1 0.05 25453 1 0.05 25466 1 0.05 25482 1 0.05 25502 1 0.05 25512 1 0.05 25526 1 0.05 25547 1 0.05 25582 1 0.05 25619 1 0.05 25637 1 0.05 | 25274 | 1 | 0.05 |
| 25322 1 0.05 25325 1 0.05 25333 1 0.05 25355 1 0.05 25380 1 0.05 25388 1 0.05 25396 1 0.05 25422 1 0.05 25447 1 0.05 25453 1 0.05 25466 1 0.05 25482 1 0.05 25502 1 0.05 25512 1 0.05 25526 1 0.05 25527 1 0.05 25582 1 0.05 25619 1 0.05 25637 1 0.05 | 25278 | 1 | 0.05 |
| 25325 1 0.05 25333 1 0.05 25380 1 0.05 25388 1 0.05 25396 1 0.05 25400 2 0.10 25422 1 0.05 25447 1 0.05 25453 1 0.05 25466 1 0.05 25482 1 0.05 25502 1 0.05 25512 1 0.05 25526 1 0.05 25547 1 0.05 25582 1 0.05 25582 1 0.05 25619 1 0.05 25637 1 0.05 | 25306 | 2 | 0.10 |
| 25333 1 0.05 25355 1 0.05 25380 1 0.05 25388 1 0.05 25396 1 0.05 25400 2 0.10 25422 1 0.05 25447 1 0.05 25453 1 0.05 25466 1 0.05 25482 1 0.05 25502 1 0.05 25512 1 0.05 25526 1 0.05 25547 1 0.05 25582 1 0.05 25582 1 0.05 25619 1 0.05 25637 1 0.05 | 25322 | 1 | 0.05 |
| 25355 1 0.05 25380 1 0.05 25388 1 0.05 25396 1 0.05 25400 2 0.10 25422 1 0.05 25447 1 0.05 25453 1 0.05 25466 1 0.05 25482 1 0.05 25502 1 0.05 25512 1 0.05 25526 1 0.05 25547 1 0.05 25582 1 0.05 25619 1 0.05 25637 1 0.05 | 25325 | 1 | 0.05 |
| 25380 1 0.05 25388 1 0.05 25396 1 0.05 25400 2 0.10 25422 1 0.05 25447 1 0.05 25453 1 0.05 25466 1 0.05 25482 1 0.05 25502 1 0.05 25512 1 0.05 25526 1 0.05 25547 1 0.05 25582 1 0.05 25619 1 0.05 25637 1 0.05 | 25333 | 1 | 0.05 |
| 25388 1 0.05 25396 1 0.05 25400 2 0.10 25422 1 0.05 25447 1 0.05 25453 1 0.05 25466 1 0.05 25482 1 0.05 25502 1 0.05 25512 1 0.05 25526 1 0.05 25547 1 0.05 25582 1 0.05 25619 1 0.05 25637 1 0.05 | 25355 | 1 | 0.05 |
| 25396 1 0.05 25400 2 0.10 25422 1 0.05 25447 1 0.05 25453 1 0.05 25466 1 0.05 25482 1 0.05 25502 1 0.05 25512 1 0.05 25526 1 0.05 25547 1 0.05 25552 1 0.05 25582 1 0.05 25619 1 0.05 25637 1 0.05 | 25380 | 1 | 0.05 |
| 25400 2 0.10 25422 1 0.05 25447 1 0.05 25453 1 0.05 25466 1 0.05 25482 1 0.05 25502 1 0.05 25512 1 0.05 25526 1 0.05 25547 1 0.05 25582 1 0.05 25619 1 0.05 25637 1 0.05 | 25388 | 1 | 0.05 |
| 25422 1 0.05 25447 1 0.05 25453 1 0.05 25466 1 0.05 25482 1 0.05 25502 1 0.05 25512 1 0.05 25526 1 0.05 25547 1 0.05 25582 1 0.05 25619 1 0.05 25637 1 0.05 | 25396 | 1 | 0.05 |
| 25447 1 0.05 25453 1 0.05 25466 1 0.05 25482 1 0.05 25502 1 0.05 25512 1 0.05 25526 1 0.05 25547 1 0.05 25552 1 0.05 25582 1 0.05 25619 1 0.05 25637 1 0.05 | 25400 | 2 | 0.10 |
| 25453 1 0.05 25466 1 0.05 25482 1 0.05 25502 1 0.05 25512 1 0.05 25526 1 0.05 25547 1 0.05 25552 1 0.05 25582 1 0.05 25619 1 0.05 25637 1 0.05 | 25422 | 1 | 0.05 |
| 25466 1 0.05 25482 1 0.05 25502 1 0.05 25512 1 0.05 25526 1 0.05 25547 1 0.05 25552 1 0.05 25582 1 0.05 25619 1 0.05 25637 1 0.05 | 25447 | 1 | 0.05 |
| 25482 1 0.05 25502 1 0.05 25512 1 0.05 25526 1 0.05 25547 1 0.05 25552 1 0.05 25582 1 0.05 25619 1 0.05 25637 1 0.05 | 25453 | 1 | 0.05 |
| 25502 1 0.05 25512 1 0.05 25526 1 0.05 25547 1 0.05 25552 1 0.05 25582 1 0.05 25619 1 0.05 25637 1 0.05 | 25466 | 1 | 0.05 |
| 25512 1 0.05 25526 1 0.05 25547 1 0.05 25552 1 0.05 25582 1 0.05 25619 1 0.05 25637 1 0.05 | 25482 | 1 | 0.05 |
| 25526 1 0.05 25547 1 0.05 25552 1 0.05 25582 1 0.05 25619 1 0.05 25637 1 0.05 | 25502 | 1 | 0.05 |
| 25547 1 0.05 25552 1 0.05 25582 1 0.05 25619 1 0.05 25637 1 0.05 | 25512 | 1 | 0.05 |
| 25552 1 0.05 25582 1 0.05 25619 1 0.05 25637 1 0.05 | 25526 | 1 | 0.05 |
| 25582 1 0.05 25619 1 0.05 25637 1 0.05 | 25547 | 1 | 0.05 |
| 25619 1 0.05 25637 1 0.05 | 25552 | 1 | 0.05 |
| 25637 1 0.05 | 25582 | 1 | 0.05 |
| | 25619 | 1 | 0.05 |
| 25667 1 0.05 | 25637 | 1 | 0.05 |
| | 25667 | 1 | 0.05 |

| Cust_Income | Frequency | Percent |
|-------------|-----------|---------|
| 25673 | 2 | 0.10 |
| 25679 | 1 | 0.05 |
| 25713 | 1 | 0.05 |
| 25715 | 1 | 0.05 |
| 25724 | 1 | 0.05 |
| 25725 | 1 | 0.05 |
| 25738 | 1 | 0.05 |
| 25748 | 1 | 0.05 |
| 25761 | 2 | 0.10 |
| 25798 | 1 | 0.05 |
| 25820 | 1 | 0.05 |
| 25824 | 1 | 0.05 |
| 25845 | 1 | 0.05 |
| 25851 | 1 | 0.05 |
| 25854 | 2 | 0.10 |
| 25855 | 2 | 0.10 |
| 25883 | 1 | 0.05 |
| 25903 | 2 | 0.10 |
| 25924 | 2 | 0.10 |
| 25932 | 1 | 0.05 |
| 25934 | 2 | 0.10 |
| 25980 | 3 | 0.16 |
| 25981 | 2 | 0.10 |
| 25985 | 2 | 0.10 |
| 26008 | 2 | 0.10 |
| 26048 | 1 | 0.05 |
| 26096 | 2 | 0.10 |
| 26103 | 1 | 0.05 |
| 26169 | 1 | 0.05 |
| 26209 | 2 | 0.10 |
| 26221 | 1 | 0.05 |
| 26231 | 1 | 0.05 |
| 26239 | 1 | 0.05 |
| 26245 | 2 | 0.10 |
| 26252 | 1 | 0.05 |
| 26274 | 1 | 0.05 |
| 26306 | 1 | 0.05 |

| 26312 26322 26377 | 1 | 0.05 0.05 |
|-------------------------|---|--------------|
| | | 0.05 |
| 26277 | | |
| 20311 | 1 | 0.05 |
| 26416 | 1 | 0.05 |
| 26422 | 1 | 0.05 |
| 26447 | 1 | 0.05 |
| 26453 | 1 | 0.05 |
| 26466 | 2 | 0.10 |
| 26475 | 1 | 0.05 |
| 26496 | 1 | 0.05 |
| 26510 | 1 | 0.05 |
| 26527 | 1 | 0.05 |
| 26596 | 1 | 0.05 |
| 26609 | 2 | 0.10 |
| 26631 | 1 | 0.05 |
| 26648 | 1 | 0.05 |
| 26691 | 1 | 0.05 |
| 26725 | 1 | 0.05 |
| 26739 | 1 | 0.05 |
| 26798 | 2 | 0.10 |
| 26845 | 1 | 0.05 |
| 26849 | 1 | 0.05 |
| 26851 | 1 | 0.05 |
| 26854 | 1 | 0.05 |
| 26855 | 1 | 0.05 |
| 26878 | 1 | 0.05 |
| 26904 | 2 | 0.10 |
| 26916 | 1 | 0.05 |
| 26920 | 2 | 0.10 |
| 26932 | 1 | 0.05 |
| 26938 | 1 | 0.05 |
| 26957 | 1 | 0.05 |
| 26976 | 2 | 0.10 |
| 26999 | 1 | 0.05 |
| 27061 | 1 | 0.05 |
| 27159 | 1 | 0.05 |
| 27185 | 1 | 0.05 |

| 27245 1 0.05 27490 1 0.05 27504 1 0.05 27510 1 0.05 27631 1 0.05 27691 1 0.05 27703 1 0.05 27849 2 0.10 27904 2 0.10 27935 1 0.05 27957 1 0.05 27996 1 0.05 28120 1 0.05 28142 1 0.05 28142 1 0.05 28143 1 0.05 28144 1 0.05 28185 1 0.05 28194 1 0.05 2825 1 0.05 28245 1 0.05 28245 1 0.05 28348 2 0.10 28499 2 0.10 28499 1 | Cust_Income | Frequency | Percent |
|--|-------------|-----------|---------|
| 27504 1 0.05 27510 1 0.05 27631 1 0.05 27691 1 0.05 27713 1 0.05 27808 1 0.05 27849 2 0.10 27904 2 0.10 27935 1 0.05 27957 1 0.05 27996 1 0.05 28120 1 0.05 28142 1 0.05 28142 1 0.05 28143 1 0.05 28194 1 0.05 28255 1 0.05 28245 1 0.05 28245 1 0.05 28348 2 0.10 28348 2 0.10 28458 1 0.05 28458 1 0.05 28499 1 0.05 28503 1 0.05 28582 1 0.05 28582 | 27245 | 1 | 0.05 |
| 27510 1 0.05 27631 1 0.05 27691 1 0.05 27713 1 0.05 27808 1 0.05 27849 2 0.10 27904 2 0.10 27935 1 0.05 27965 1 0.05 27996 1 0.05 28120 1 0.05 28142 1 0.05 28142 1 0.05 28185 1 0.05 28194 1 0.05 28225 1 0.05 28237 2 0.10 28245 1 0.05 28320 2 0.10 28348 2 0.10 28348 2 0.10 28458 1 0.05 28499 1 0.05 28503 1 0.05 28582 1 0.05 28582 1 0.05 28582 | 27490 | 1 | 0.05 |
| 27631 1 0.05 27691 1 0.05 27713 1 0.05 27808 1 0.05 27849 2 0.10 27904 2 0.10 27935 1 0.05 27957 1 0.05 27996 1 0.05 28120 1 0.05 28142 1 0.05 28142 1 0.05 28185 1 0.05 28194 1 0.05 28237 2 0.10 28245 1 0.05 28348 2 0.10 28348 2 0.10 28348 2 0.10 28348 2 0.10 28458 1 0.05 28499 1 0.05 28503 1 0.05 28582 1 0.05 28582 1 0.05 28582 1 0.05 28603 | 27504 | 1 | 0.05 |
| 27691 1 0.05 27713 1 0.05 27808 1 0.05 27849 2 0.10 27904 2 0.10 27935 1 0.05 27957 1 0.05 27996 1 0.05 28120 1 0.05 28142 1 0.05 28145 1 0.05 28194 1 0.05 28225 1 0.05 28237 2 0.10 28245 1 0.05 28348 2 0.10 28348 2 0.10 28348 2 0.10 28348 2 0.10 28349 1 0.05 28490 2 0.10 28499 1 0.05 28503 1 0.05 285803 1 0.05 28582 1 0.05 28695 2 0.10 28726 | 27510 | 1 | 0.05 |
| 27713 1 0.05 27808 1 0.05 27849 2 0.10 27904 2 0.10 27935 1 0.05 27957 1 0.05 27996 1 0.05 28031 1 0.05 28120 1 0.05 28142 1 0.05 28185 1 0.05 28194 1 0.05 28237 2 0.10 28237 2 0.10 28345 1 0.05 28348 2 0.10 28348 2 0.10 28349 2 0.10 28499 1 0.05 28499 1 0.05 28503 1 0.05 28582 1 0.05 28582 1 0.05 28695 2 0.10 28726 1 0.05 28734 1 0.05 28734 | 27631 | 1 | 0.05 |
| 27808 1 0.05 27849 2 0.10 27904 2 0.10 27935 1 0.05 27957 1 0.05 27996 1 0.05 28031 1 0.05 28120 1 0.05 28142 1 0.05 28185 1 0.05 28194 1 0.05 28237 2 0.10 28245 1 0.05 28320 2 0.10 28348 2 0.10 28348 2 0.10 28458 1 0.05 28490 2 0.10 28499 1 0.05 28503 1 0.05 28570 1 0.05 28582 1 0.05 28695 2 0.10 28726 1 0.05 28726 1 0.05 28734 1 0.05 2874 | 27691 | 1 | 0.05 |
| 27849 2 0.10 27904 2 0.10 27935 1 0.05 27957 1 0.05 27996 1 0.05 28031 1 0.05 28120 1 0.05 28142 1 0.05 28185 1 0.05 28194 1 0.05 28225 1 0.05 28237 2 0.10 28349 2 0.10 28348 2 0.10 28458 1 0.05 28499 1 0.05 28499 1 0.05 28503 1 0.05 28582 1 0.05 28582 1 0.05 28582 1 0.05 28695 2 0.10 28726 1 0.05 28734 1 0.05 28734 1 0.05 | 27713 | 1 | 0.05 |
| 27904 2 0.10 27935 1 0.05 27957 1 0.05 27965 1 0.05 28031 1 0.05 28120 1 0.05 28142 1 0.05 28185 1 0.05 28194 1 0.05 28237 2 0.10 28245 1 0.05 28340 2 0.10 28348 2 0.10 28458 1 0.05 28490 2 0.10 28499 1 0.05 28503 1 0.05 28570 1 0.05 28582 1 0.05 28585 1 0.05 28695 2 0.10 28726 1 0.05 28734 1 0.05 28734 1 0.05 | 27808 | 1 | 0.05 |
| 27935 1 0.05 27965 1 0.05 27996 1 0.05 28031 1 0.05 28120 1 0.05 28142 1 0.05 28185 1 0.05 28194 1 0.05 28225 1 0.05 28237 2 0.10 28245 1 0.05 28320 2 0.10 28348 2 0.10 28348 2 0.10 28490 2 0.10 28499 1 0.05 28503 1 0.05 28570 1 0.05 28582 1 0.05 28582 1 0.05 28695 2 0.10 28726 1 0.05 28734 1 0.05 28742 2 0.10 | 27849 | 2 | 0.10 |
| 27957 1 0.05 27965 1 0.05 28031 1 0.05 28120 1 0.05 28142 1 0.05 28185 1 0.05 28194 1 0.05 28237 2 0.10 28245 1 0.05 28320 2 0.10 28348 2 0.10 28458 1 0.05 28490 2 0.10 28499 1 0.05 28503 1 0.05 28570 1 0.05 28582 1 0.05 28585 1 0.05 28695 2 0.10 28726 1 0.05 28734 1 0.05 28734 1 0.05 28742 2 0.10 | 27904 | 2 | 0.10 |
| 27965 1 0.05 28031 1 0.05 28120 1 0.05 28142 1 0.05 28185 1 0.05 28194 1 0.05 28225 1 0.05 28237 2 0.10 28245 1 0.05 28320 2 0.10 28348 2 0.10 28458 1 0.05 28490 2 0.10 28499 1 0.05 28503 1 0.05 28582 1 0.05 28582 1 0.05 28603 1 0.05 28695 2 0.10 28726 1 0.05 28734 1 0.05 28734 2 0.10 | 27935 | 1 | 0.05 |
| 27996 1 0.05 28031 1 0.05 28120 1 0.05 28142 1 0.05 28185 1 0.05 28194 1 0.05 28237 2 0.10 28245 1 0.05 28320 2 0.10 28348 2 0.10 28458 1 0.05 28490 2 0.10 28499 1 0.05 28503 1 0.05 28582 1 0.05 28582 1 0.05 28693 1 0.05 28695 2 0.10 28726 1 0.05 28734 1 0.05 28734 1 0.05 | 27957 | 1 | 0.05 |
| 28031 1 0.05 28142 1 0.05 28185 1 0.05 28194 1 0.05 28225 1 0.05 28237 2 0.10 28245 1 0.05 28348 2 0.10 28348 2 0.10 28458 1 0.05 28490 2 0.10 28499 1 0.05 28503 1 0.05 28570 1 0.05 28582 1 0.05 28582 1 0.05 28603 1 0.05 28675 1 0.05 28726 1 0.05 28734 1 0.05 28734 1 0.05 | 27965 | 1 | 0.05 |
| 28120 1 0.05 28142 1 0.05 28194 1 0.05 28225 1 0.05 28237 2 0.10 28245 1 0.05 28348 2 0.10 28348 2 0.10 28458 1 0.05 28490 2 0.10 28499 1 0.05 28503 1 0.05 28582 1 0.05 28582 1 0.05 28603 1 0.05 28695 2 0.10 28726 1 0.05 28734 1 0.05 28742 2 0.10 | 27996 | 1 | 0.05 |
| 28142 1 0.05 28185 1 0.05 28194 1 0.05 28225 1 0.05 28237 2 0.10 28245 1 0.05 28348 2 0.10 28458 1 0.05 28490 2 0.10 28499 1 0.05 28503 1 0.05 28582 1 0.05 28582 1 0.05 28603 1 0.05 28695 2 0.10 28726 1 0.05 28734 1 0.05 28742 2 0.10 | 28031 | 1 | 0.05 |
| 28185 1 0.05 28194 1 0.05 28225 1 0.05 28237 2 0.10 28245 1 0.05 28320 2 0.10 28348 2 0.10 28458 1 0.05 28490 2 0.10 28499 1 0.05 28503 1 0.05 28582 1 0.05 28582 1 0.05 28603 1 0.05 28675 1 0.05 28695 2 0.10 28726 1 0.05 28734 1 0.05 28742 2 0.10 | 28120 | 1 | 0.05 |
| 28194 1 0.05 28225 1 0.05 28237 2 0.10 28245 1 0.05 28320 2 0.10 28348 2 0.10 28458 1 0.05 28490 2 0.10 28499 1 0.05 28503 1 0.05 28582 1 0.05 28582 1 0.05 28603 1 0.05 28695 2 0.10 28726 1 0.05 28734 1 0.05 28742 2 0.10 | 28142 | 1 | 0.05 |
| 28225 1 0.05 28237 2 0.10 28245 1 0.05 28320 2 0.10 28348 2 0.10 28458 1 0.05 28490 2 0.10 28499 1 0.05 28503 1 0.05 28570 1 0.05 28582 1 0.05 28603 1 0.05 28675 1 0.05 28695 2 0.10 28726 1 0.05 28734 1 0.05 28742 2 0.10 | 28185 | 1 | 0.05 |
| 28237 2 0.10 28245 1 0.05 28348 2 0.10 28458 1 0.05 28490 2 0.10 28499 1 0.05 28503 1 0.05 28582 1 0.05 28582 1 0.05 28603 1 0.05 28675 1 0.05 28695 2 0.10 28726 1 0.05 28734 1 0.05 28742 2 0.10 | 28194 | 1 | 0.05 |
| 28245 1 0.05 28320 2 0.10 28348 2 0.10 28458 1 0.05 28490 2 0.10 28499 1 0.05 28503 1 0.05 28582 1 0.05 28603 1 0.05 28675 1 0.05 28695 2 0.10 28726 1 0.05 28734 1 0.05 28742 2 0.10 | 28225 | 1 | 0.05 |
| 28320 2 0.10 28348 2 0.10 28458 1 0.05 28490 2 0.10 28499 1 0.05 28503 1 0.05 28582 1 0.05 28603 1 0.05 28675 1 0.05 28695 2 0.10 28726 1 0.05 28734 1 0.05 28742 2 0.10 | 28237 | 2 | 0.10 |
| 28348 2 0.10 28458 1 0.05 28490 2 0.10 28499 1 0.05 28503 1 0.05 28570 1 0.05 28582 1 0.05 28603 1 0.05 28675 1 0.05 28695 2 0.10 28726 1 0.05 28734 1 0.05 28742 2 0.10 | 28245 | 1 | 0.05 |
| 28458 1 0.05 28490 2 0.10 28499 1 0.05 28503 1 0.05 28570 1 0.05 28582 1 0.05 28603 1 0.05 28675 1 0.05 28695 2 0.10 28726 1 0.05 28734 1 0.05 28742 2 0.10 | 28320 | 2 | 0.10 |
| 28490 2 0.10 28499 1 0.05 28503 1 0.05 28570 1 0.05 28582 1 0.05 28603 1 0.05 28675 1 0.05 28695 2 0.10 28726 1 0.05 28734 1 0.05 28742 2 0.10 | 28348 | 2 | 0.10 |
| 28499 1 0.05 28503 1 0.05 28570 1 0.05 28582 1 0.05 28603 1 0.05 28675 1 0.05 28695 2 0.10 28726 1 0.05 28734 1 0.05 28742 2 0.10 | 28458 | 1 | 0.05 |
| 28503 1 0.05 28570 1 0.05 28582 1 0.05 28603 1 0.05 28675 1 0.05 28695 2 0.10 28726 1 0.05 28734 1 0.05 28742 2 0.10 | 28490 | 2 | 0.10 |
| 28570 1 0.05 28582 1 0.05 28603 1 0.05 28675 1 0.05 28695 2 0.10 28726 1 0.05 28734 1 0.05 28742 2 0.10 | 28499 | 1 | 0.05 |
| 28582 1 0.05 28603 1 0.05 28675 1 0.05 28695 2 0.10 28726 1 0.05 28734 1 0.05 28742 2 0.10 | 28503 | 1 | 0.05 |
| 28603 1 0.05 28675 1 0.05 28695 2 0.10 28726 1 0.05 28734 1 0.05 28742 2 0.10 | 28570 | 1 | 0.05 |
| 28675 1 0.05 28695 2 0.10 28726 1 0.05 28734 1 0.05 28742 2 0.10 | 28582 | 1 | 0.05 |
| 28695 2 0.10 28726 1 0.05 28734 1 0.05 28742 2 0.10 | 28603 | 1 | 0.05 |
| 28726 1 0.05 28734 1 0.05 28742 2 0.10 | 28675 | 1 | 0.05 |
| 28734 1 0.05 28742 2 0.10 | 28695 | 2 | 0.10 |
| 28742 2 0.10 | 28726 | 1 | 0.05 |
| | 28734 | 1 | 0.05 |
| | 28742 | 2 | 0.10 |
| 28744 1 0.05 | 28744 | 1 | 0.05 |

| Cust_Income | Frequency | Percent |
|-------------|-----------|---------|
| 28808 | 1 | 0.05 |
| 28826 | 1 | 0.05 |
| 28936 | 1 | 0.05 |
| 28964 | 1 | 0.05 |
| 28965 | 1 | 0.05 |
| 28966 | 1 | 0.05 |
| 29116 | 1 | 0.05 |
| 29120 | 1 | 0.05 |
| 29142 | 1 | 0.05 |
| 29245 | 1 | 0.05 |
| 29320 | 1 | 0.05 |
| 29336 | 1 | 0.05 |
| 29341 | 1 | 0.05 |
| 29496 | 1 | 0.05 |
| 29499 | 1 | 0.05 |
| 29503 | 1 | 0.05 |
| 29525 | 2 | 0.10 |
| 29549 | 1 | 0.05 |
| 29570 | 2 | 0.10 |
| 29577 | 2 | 0.10 |
| 29582 | 2 | 0.10 |
| 29603 | 2 | 0.10 |
| 29610 | 1 | 0.05 |
| 29664 | 1 | 0.05 |
| 29726 | 1 | 0.05 |
| 29732 | 1 | 0.05 |
| 29744 | 1 | 0.05 |
| 29757 | 1 | 0.05 |
| 29814 | 1 | 0.05 |
| 29826 | 1 | 0.05 |
| 29964 | 2 | 0.10 |
| 30026 | 1 | 0.05 |
| 30118 | 1 | 0.05 |
| 30275 | 1 | 0.05 |
| 30336 | 1 | 0.05 |
| 30427 | 1 | 0.05 |
| 30732 | 1 | 0.05 |

| | | Percent |
|-------|---|---------|
| 30787 | 1 | 0.05 |
| 30814 | 1 | 0.05 |
| 30852 | 1 | 0.05 |
| 30972 | 1 | 0.05 |
| 30992 | 2 | 0.10 |
| 31064 | 1 | 0.05 |
| 31124 | 1 | 0.05 |
| 31328 | 1 | 0.05 |
| 31379 | 1 | 0.05 |
| 31402 | 1 | 0.05 |
| 31437 | 1 | 0.05 |
| 31595 | 2 | 0.10 |
| 31606 | 1 | 0.05 |
| 31627 | 2 | 0.10 |
| 31659 | 2 | 0.10 |
| 31752 | 1 | 0.05 |
| 31756 | 2 | 0.10 |
| 31787 | 1 | 0.05 |
| 31799 | 1 | 0.05 |
| 31823 | 1 | 0.05 |
| 31835 | 2 | 0.10 |
| 31992 | 1 | 0.05 |
| 32007 | 1 | 0.05 |
| 32046 | 2 | 0.10 |
| 32048 | 1 | 0.05 |
| 32064 | 1 | 0.05 |
| 32068 | 2 | 0.10 |
| 32099 | 2 | 0.10 |
| 32123 | 1 | 0.05 |
| 32124 | 1 | 0.05 |
| 32159 | 2 | 0.10 |
| 32174 | 1 | 0.05 |
| 32291 | 1 | 0.05 |
| 32307 | 1 | 0.05 |
| 32328 | 1 | 0.05 |
| 32413 | 2 | 0.10 |
| 32422 | 1 | 0.05 |

| Cust_Income | Frequency | Percent |
|-------------|-----------|---------|
| 32444 | 1 | 0.05 |
| 32465 | 1 | 0.05 |
| 32567 | 1 | 0.05 |
| 32595 | 2 | 0.10 |
| 32606 | 1 | 0.05 |
| 32627 | 2 | 0.10 |
| 32650 | 1 | 0.05 |
| 32659 | 1 | 0.05 |
| 32665 | 1 | 0.05 |
| 32704 | 1 | 0.05 |
| 32752 | 1 | 0.05 |
| 32756 | 1 | 0.05 |
| 32779 | 1 | 0.05 |
| 32792 | 1 | 0.05 |
| 32835 | 1 | 0.05 |
| 32856 | 2 | 0.10 |
| 32872 | 1 | 0.05 |
| 32924 | 1 | 0.05 |
| 32959 | 1 | 0.05 |
| 33007 | 1 | 0.05 |
| 33048 | 1 | 0.05 |
| 33061 | 1 | 0.05 |
| 33068 | 1 | 0.05 |
| 33099 | 1 | 0.05 |
| 33123 | 1 | 0.05 |
| 33159 | 2 | 0.10 |
| 33172 | 1 | 0.05 |
| 33213 | 1 | 0.05 |
| 33265 | 1 | 0.05 |
| 33328 | 1 | 0.05 |
| 33567 | 1 | 0.05 |
| 33603 | 1 | 0.05 |
| 33606 | 1 | 0.05 |
| 33639 | 1 | 0.05 |
| 33650 | 1 | 0.05 |
| 33665 | 2 | 0.10 |
| 33711 | 1 | 0.05 |
| | | |

| 33824 33844 33861 | 1 | 0.10 0.05 |
|-------------------------|---|--------------|
| | | 0.05 |
| 22064 | 1 | |
| 33001 | ' | 0.05 |
| 33875 | 1 | 0.05 |
| 33880 | 1 | 0.05 |
| 33924 | 1 | 0.05 |
| 33947 | 1 | 0.05 |
| 34038 | 1 | 0.05 |
| 34049 | 1 | 0.05 |
| 34061 | 1 | 0.05 |
| 34068 | 1 | 0.05 |
| 34094 | 1 | 0.05 |
| 34141 | 1 | 0.05 |
| 34144 | 1 | 0.05 |
| 34161 | 1 | 0.05 |
| 34197 | 1 | 0.05 |
| 34200 | 1 | 0.05 |
| 34202 | 1 | 0.05 |
| 34265 | 1 | 0.05 |
| 34300 | 1 | 0.05 |
| 34303 | 2 | 0.10 |
| 34328 | 2 | 0.10 |
| 34331 | 1 | 0.05 |
| 34392 | 1 | 0.05 |
| 34419 | 1 | 0.05 |
| 34431 | 1 | 0.05 |
| 34436 | 1 | 0.05 |
| 34513 | 2 | 0.10 |
| 34545 | 1 | 0.05 |
| 34586 | 1 | 0.05 |
| 34613 | 2 | 0.10 |
| 34626 | 2 | 0.10 |
| 34627 | 1 | 0.05 |
| 34658 | 2 | 0.10 |
| 34665 | 1 | 0.05 |
| 34711 | 2 | 0.10 |
| 34740 | 2 | 0.10 |

| Cust Income | Francis | Percent |
|-------------|-----------|---------|
| Cust_Income | Frequency | Percent |
| 34845 | 1 | 0.05 |
| 34847 | 2 | 0.10 |
| 34859 | 1 | 0.05 |
| 34880 | 1 | 0.05 |
| 34943 | 1 | 0.05 |
| 34947 | 1 | 0.05 |
| 34973 | 2 | 0.10 |
| 35049 | 1 | 0.05 |
| 35094 | 1 | 0.05 |
| 35144 | 2 | 0.10 |
| 35189 | 2 | 0.10 |
| 35190 | 1 | 0.05 |
| 35202 | 1 | 0.05 |
| 35328 | 1 | 0.05 |
| 35331 | 20 | 1.04 |

| Agent_Tenure | Frequency | Percent |
|--------------|-----------|---------|
| 0 | 130 | 6.76 |
| 1 | 461 | 23.96 |
| 2 | 445 | 23.13 |
| 3 | 209 | 10.86 |
| 4 | 190 | 9.88 |
| 5 | 131 | 6.81 |
| 6 | 98 | 5.09 |
| 7 | 95 | 4.94 |
| 8 | 76 | 3.95 |
| 9 | 58 | 3.01 |
| 10 | 31 | 1.61 |

| Complaint | Frequency | Percent |
|-----------|-----------|---------|
| 0 | 1368 | 71.10 |
| 1 | 556 | 28.90 |

| YTD_contact_cnt | Frequency | Percent |
|-----------------|-----------|---------|
| 16 | 135 | 7.02 |
| 17 | 267 | 13.88 |
| 18 | 243 | 12.63 |
| 19 | 291 | 15.12 |
| 20 | 206 | 10.71 |
| 21 | 124 | 6.44 |
| 22 | 123 | 6.39 |
| 23 | 111 | 5.77 |
| 24 | 99 | 5.15 |
| 25 | 77 | 4.00 |
| 26 | 52 | 2.70 |
| 27 | 67 | 3.48 |
| 28 | 63 | 3.27 |
| 29 | 32 | 1.66 |
| 30 | 34 | 1.77 |

| Due_date_day_cnt | Frequency | Percent |
|------------------|-----------|---------|
| 0 | 5 | 0.26 |
| 1 | 53 | 2.75 |
| 2 | 87 | 4.52 |
| 3 | 52 | 2.70 |
| 4 | 64 | 3.33 |
| 5 | 94 | 4.89 |
| 6 | 134 | 6.96 |
| 7 | 128 | 6.65 |
| 8 | 129 | 6.70 |
| 9 | 128 | 6.65 |
| 10 | 199 | 10.34 |
| 11 | 181 | 9.41 |
| 12 | 48 | 2.49 |
| 13 | 40 | 2.08 |
| 14 | 52 | 2.70 |
| 15 | 49 | 2.55 |
| 16 | 54 | 2.81 |
| 17 | 48 | 2.49 |
| 18 | 46 | 2.39 |
| 19 | 21 | 1.09 |
| 20 | 29 | 1.51 |
| 21 | 39 | 2.03 |
| 22 | 33 | 1.72 |
| 23 | 30 | 1.56 |
| 24 | 36 | 1.87 |
| 25 | 15 | 0.78 |
| 26 | 20 | 1.04 |
| 27 | 12 | 0.62 |
| 28 | 19 | 0.99 |
| 29 | 11 | 0.57 |
| 30 | 15 | 0.78 |
| 31 | 12 | 0.62 |
| 32 | 11 | 0.57 |
| 33 | 8 | 0.42 |
| 34 | 22 | 1.14 |

| Existing_policy_count | Frequency | Percent |
|-----------------------|-----------|---------|
| 1 | 135 | 7.02 |
| 2 | 121 | 6.29 |
| 3 | 118 | 6.13 |
| 4 | 118 | 6.13 |
| 5 | 130 | 6.76 |
| 6 | 116 | 6.03 |
| 7 | 132 | 6.86 |
| 8 | 136 | 7.07 |
| 9 | 142 | 7.38 |
| 10 | 134 | 6.96 |
| 11 | 106 | 5.51 |
| 12 | 150 | 7.80 |
| 13 | 120 | 6.24 |
| 14 | 124 | 6.44 |
| 15 | 142 | 7.38 |

| Miss_due_date_cnt | Frequency | Percent |
|-------------------|-----------|---------|
| 0 | 549 | 28.53 |
| 1 | 540 | 28.07 |
| 2 | 555 | 28.85 |
| 3 | 37 | 1.92 |
| 4 | 29 | 1.51 |
| 5 | 40 | 2.08 |
| 6 | 43 | 2.23 |
| 7 | 22 | 1.14 |
| 8 | 42 | 2.18 |
| 9 | 31 | 1.61 |
| 10 | 36 | 1.87 |

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| CustID | Age | EducationField | Gender | Cust_Income | |
|--------|-----|----------------|--------|-------------|--|
| 10002 | 44 | Statistics | Male | 20130 | |

The CORR Procedure

11 Churn
Variables: Agent_Tenure
Miss_due_date_cnt

Age Complaint Cust_Tenure YTD_contact_cnt Overall_cust_satisfation_score Cust_Income
Due_date_day_cnt Existing_policy_count

| Simple Statistics | | | | | | |
|--------------------------------|------|----------|----------|-----------|----------|----------|
| Variable | N | Mean | Std Dev | Sum | Minimum | Maximum |
| Churn | 1924 | 0.16476 | 0.37106 | 317.00000 | 0 | 1.00000 |
| Age | 1924 | 42.62422 | 10.01131 | 82009 | 21.00000 | 60.00000 |
| Cust_Tenure | 1924 | 12.64865 | 7.01534 | 24336 | 1.00000 | 25.00000 |
| Overall_cust_satisfation_score | 1924 | 3.39553 | 1.18053 | 6533 | 1.00000 | 5.00000 |
| Cust_Income | 1924 | 21960 | 4718 | 42251865 | 16009 | 35331 |
| Agent_Tenure | 1924 | 3.16320 | 2.50125 | 6086 | 0 | 10.00000 |
| Complaint | 1924 | 0.28898 | 0.45341 | 556.00000 | 0 | 1.00000 |
| YTD_contact_cnt | 1924 | 20.66476 | 3.62567 | 39759 | 16.00000 | 30.00000 |
| Due_date_day_cnt | 1924 | 11.62942 | 7.50222 | 22375 | 0 | 34.00000 |
| Existing_policy_count | 1924 | 8.09304 | 4.32749 | 15571 | 1.00000 | 15.00000 |
| Miss_due_date_cnt | 1924 | 1.80042 | 2.25118 | 3464 | 0 | 10.00000 |

The CORR Procedure

| Pearson Correlation Coefficients, N = 1924 Prob > r under H0: Rho=0 | | | | | | |
|--|--------------------|--------------------|--------------------|--------------------------------|--------------------|--------------------|
| | Churn | Age | Cust_Tenure | Overall_cust_satisfation_score | Cust_Income | Agent_Tenure |
| Churn | 1.00000 | -0.53627 <.0001 | -0.46878 <.0001 | -0.31386 <.0001 | -0.16753 <.0001 | 0.04049 0.0758 |
| Age | -0.53627 <.0001 | 1.00000 | 0.26821 <.0001 | 0.18660 <.0001 | 0.06839 0.0027 | -0.03420 0.1337 |
| Cust_Tenure | -0.46878 <.0001 | 0.26821 <.0001 | 1.00000 | 0.17760 <.0001 | 0.07437 0.0011 | -0.01564 0.4930 |
| Overall_cust_satisfation_score | -0.31386 <.0001 | 0.18660 <.0001 | 0.17760 <.0001 | 1.00000 | 0.07033 0.0020 | -0.03825 0.0935 |
| Cust_Income | -0.16753 <.0001 | 0.06839 0.0027 | 0.07437 0.0011 | 0.07033 0.0020 | 1.00000 | 0.18947 <.0001 |
| Agent_Tenure | 0.04049 0.0758 | -0.03420 0.1337 | -0.01564 0.4930 | -0.03825 0.0935 | 0.18947 <.0001 | 1.00000 |
| Complaint | 0.24540 <.0001 | -0.13405 <.0001 | -0.14136 <.0001 | -0.06890 0.0025 | 0.02262 0.3214 | 0.00562 0.8054 |
| YTD_contact_cnt | 0.00242 0.9154 | -0.00108 0.9622 | 0.02939 0.1976 | -0.01590 0.4857 | -0.00123 0.9570 | 0.02611 0.2524 |
| Due_date_day_cnt | -0.16617 <.0001 | 0.09038 <.0001 | 0.08459 0.0002 | 0.03869 0.0897 | 0.76874 <.0001 | 0.25555 <.0001 |
| Existing_policy_count | -0.01927 0.3983 | 0.01701 0.4558 | 0.01271 0.5775 | 0.00643 0.7779 | 0.02490 0.2750 | -0.00866 0.7043 |
| Miss_due_date_cnt | 0.82005 <.0001 | -0.44226 <.0001 | -0.37719 <.0001 | -0.26320 <.0001 | -0.13646 <.0001 | 0.03396 0.1365 |

The CORR Procedure

Pearson Correlation Coefficients, N = 1924 Prob > |r| under H0: Rho=0 Complaint YTD_contact_cnt Due_date_day_cnt Existing_policy_count Miss_due_date_cnt Churn 0.24540 0.00242 -0.16617 -0.01927 0.82005 <.0001 0.9154 <.0001 0.3983 <.0001 Age -0.13405 -0.00108 0.09038 0.01701 -0.44226 <.0001 0.9622 <.0001 0.4558 <.0001 0.02939 -0.37719 Cust_Tenure -0.14136 0.08459 0.01271 <.0001 0.1976 0.0002 0.5775 <.0001 -0.06890 -0.01590 0.03869 0.00643 -0.26320 Overall_cust_satisfation_score 0.0025 0.4857 0.0897 0.7779 <.0001 Cust_Income 0.02262 -0.00123 0.76874 0.02490 -0.13646 0.3214 0.9570 <.0001 0.2750 <.0001 Agent_Tenure 0.00562 0.02611 0.25555 -0.00866 0.03396 0.8054 0.2524 0.7043 0.1365 <.0001 Complaint 1.00000 -0.01379 0.01835 -0.00735 0.20225 0.5454 0.4211 0.7474 <.0001 YTD_contact_cnt -0.01379 1.00000 0.00956 0.05094 -0.01400 0.5454 0.0255 0.5394 0.6752 Due_date_day_cnt 0.01835 0.00956 1.00000 0.03004 -0.13515 0.4211 0.6752 <.0001 0.1878 Existing_policy_count -0.00735 0.05094 0.03004 1.00000 0.00591 0.7474 0.0255 0.1878 0.7956 -0.01400 -0.13515 0.00591 1.00000

0.5394

<.0001

0.7956

Miss_due_date_cnt

0.20225 <.0001

| Churn | Frequency | Percent |
|-------|-----------|---------|
| 0 | 1607 | 83.52 |
| 1 | 317 | 16.48 |

The SURVEYSELECT Procedure

Selection Method Simple Random Sampling

| Input Data Set | INSURANCE |
|-----------------------|-----------|
| Random Number Seed | 1234 |
| Sample Size | 600 |
| Selection Probability | 0.31185 |
| Sampling Weight | 3.206667 |
| Number of Replicates | 1 |
| Total Sample Size | 600 |
| Output Data Set | TEST |

The CONTENTS Procedure

| Data Set Name | WORK.TEST | Observations | 600 |
|---------------------|---|----------------------|-----|
| Member Type | DATA | Variables | 21 |
| Engine | V9 | Indexes | 0 |
| Created | 12/29/2020 18:54:22 | Observation Length | 192 |
| Last Modified | 12/29/2020 18:54:22 | Deleted Observations | 0 |
| Protection | | Compressed | NO |
| Data Set Type | | Sorted | NO |
| Label | | | |
| Data Representation | SOLARIS_X86_64, LINUX_X86_64, ALPHA_TRU64, LINUX_IA64 | | |
| Encoding | utf-8 Unicode (UTF-8) | | |

| Engine/Host Dependent Information | | | | | |
|-----------------------------------|--|--|--|--|--|
| Data Set Page Size | 131072 | | | | |
| Number of Data Set Pages | 1 | | | | |
| First Data Page | 1 | | | | |
| Max Obs per Page | 682 | | | | |
| Obs in First Data Page | 600 | | | | |
| Number of Data Set Repairs | 0 | | | | |
| Filename | /saswork/SAS_work79830001F542_odaws02-apse1.oda.sas.com/SAS_work13B90001F542_odaws02-apse1.oda.sas.com/test.sas7bdat | | | | |
| Release Created | 9.0401M6 | | | | |
| Host Created | Linux | | | | |
| Inode Number | 1074799150 | | | | |
| Access Permission | rw-rr- | | | | |
| Owner Name | u48688022 | | | | |
| File Size | 256KB | | | | |
| File Size (bytes) | 262144 | | | | |

The CONTENTS Procedure

| | Variables in Creation Order | | | | | | |
|----|--------------------------------|------|-----|---------|----------|-------------------------|--|
| # | Variable | Туре | Len | Format | Informat | Label | |
| 1 | Replicate | Num | 8 | | | Sample Replicate Number | |
| 2 | CustID | Num | 8 | BEST12. | BEST32. | | |
| 3 | Mobile_num | Num | 8 | BEST12. | BEST32. | | |
| 4 | Churn | Num | 8 | BEST12. | BEST32. | | |
| 5 | Age | Num | 8 | BEST12. | BEST32. | | |
| 6 | Payment_Period | Char | 9 | \$9. | \$9. | | |
| 7 | Product | Char | 14 | \$14. | \$14. | | |
| 8 | Cust_Tenure | Num | 8 | BEST12. | BEST32. | | |
| 9 | EducationField | Char | 17 | \$17. | \$17. | | |
| 10 | Gender | Char | 6 | \$6. | \$6. | | |
| 11 | Overall_cust_satisfation_score | Num | 8 | BEST12. | BEST32. | | |
| 12 | Cust_Designation | Char | 14 | \$14. | \$14. | | |
| 13 | CC_Satisfation_score | Num | 8 | BEST12. | BEST32. | | |
| 14 | Cust_MaritalStatus | Char | 8 | \$8. | \$8. | | |
| 15 | Cust_Income | Num | 8 | BEST12. | BEST32. | | |
| 16 | Agent_Tenure | Num | 8 | BEST12. | BEST32. | | |
| 17 | Complaint | Num | 8 | BEST12. | BEST32. | | |
| 18 | YTD_contact_cnt | Num | 8 | BEST12. | BEST32. | | |
| 19 | Due_date_day_cnt | Num | 8 | BEST12. | BEST32. | | |
| 20 | Existing_policy_count | Num | 8 | BEST12. | BEST32. | | |
| 21 | Miss_due_date_cnt | Num | 8 | BEST12. | BEST32. | | |

| Churn | Frequency | Percent |
|-------|-----------|---------|
| 0 | 511 | 85.17 |
| 1 | 89 | 14.83 |

| Churn | Frequency | Percent |
|-------|-----------|---------|
| 0 | 1096 | 82.78 |
| 1 | 228 | 17.22 |

The REG Procedure Model: MODEL1 Dependent Variable: Churn

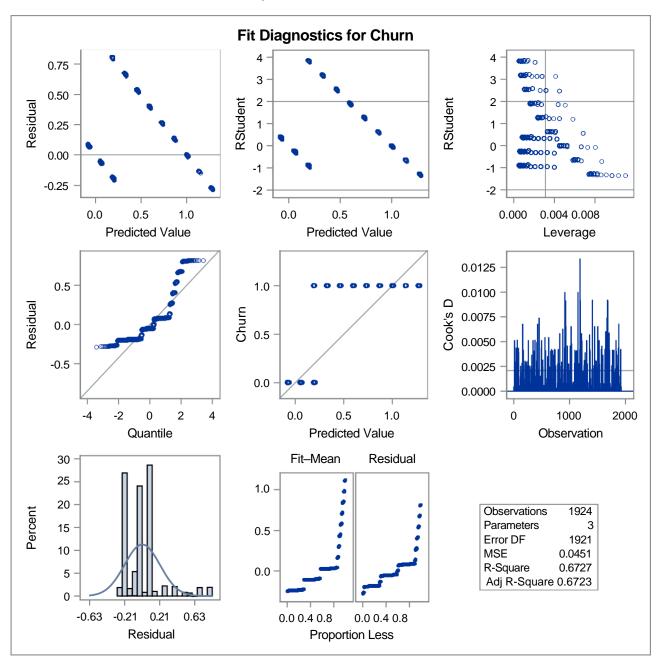
| Number of Observations Read | 1924 |
|-----------------------------|------|
| Number of Observations Used | 1924 |

| Analysis of Variance | | | | | | |
|----------------------|------|-------------------|----------------|---------|--------|--|
| Source | DF | Sum of Squares | Mean Square | F Value | Pr > F | |
| Model | 2 | 178.10471 | 89.05235 | 1973.89 | <.0001 | |
| Error | 1921 | 86.66608 | 0.04512 | | | |
| Corrected Total | 1923 | 264.77079 | | | | |

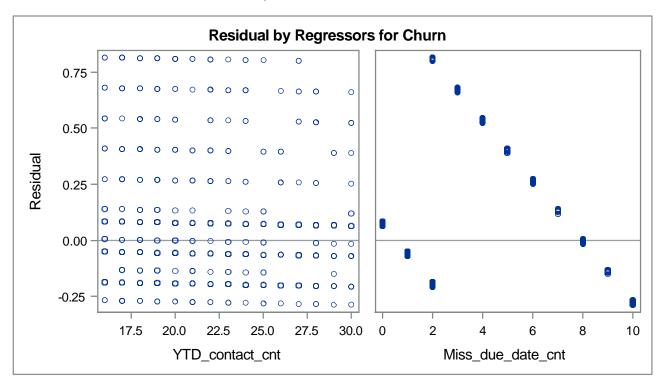
| Root MSE | 0.21240 | R-Square | 0.6727 |
|----------------|-----------|----------|--------|
| Dependent Mean | 0.16476 | Adj R-Sq | 0.6723 |
| Coeff Var | 128.91597 | | |

| Parameter Estimates | | | | | | |
|------------------------------------|---|----------|---------|-------|--------|--|
| Variable DF Estimate Error t Value | | | | | | |
| Intercept | 1 | -0.10807 | 0.02835 | -3.81 | 0.0001 | |
| YTD_contact_cnt | 1 | 0.00142 | 0.00134 | 1.07 | 0.2869 | |
| Miss_due_date_cnt | 1 | 0.13520 | 0.00215 | 62.83 | <.0001 | |

The REG Procedure Model: MODEL1 Dependent Variable: Churn



The REG Procedure Model: MODEL1 Dependent Variable: Churn



The LOGISTIC Procedure

| Model Information | | | | |
|---------------------------|------------------|--|--|--|
| Data Set | WORK.TRAIN | | | |
| Response Variable | Churn | | | |
| Number of Response Levels | 2 | | | |
| Model | binary logit | | | |
| Optimization Technique | Fisher's scoring | | | |

| Number of Observations Read | 1324 |
|-----------------------------|------|
| Number of Observations Used | 1324 |

| Res | Response Profile | | | | |
|------------------|------------------|--------------------|--|--|--|
| Ordered Value | Churn | Total Frequency | | | |
| 1 | 0 | 1096 | | | |
| 2 | 1 | 228 | | | |

Probability modeled is Churn='0'.

| Model Convergence Status |
|--|
| Quasi-complete separation of data points detected. |

Warning: The maximum likelihood estimate may not exist.

Warning: The LOGISTIC procedure continues in spite of the above warning. Results shown are based on the last maximum likelihood iteration. Validity of the model fit is questionable.

| Мо | del Fit Stati | stics |
|-----------|-------------------|--------------------------------|
| Criterion | Intercept Only | Intercept and Covariates |
| AIC | 1218.401 | 87.148 |
| sc | 1223.590 | 144.221 |
| -2 Log L | 1216.401 | 65.148 |

| Testing Global Null Hypothesis: BETA=0 | | | | | |
|--|------------|----|------------|--|--|
| Test | Chi-Square | DF | Pr > ChiSq | | |
| Likelihood Ratio | 1151.2533 | 10 | <.0001 | | |
| Score | 982.0692 | 10 | <.0001 | | |
| Wald | 29.7653 | 10 | 0.0009 | | |

The LOGISTIC Procedure

Warning: The validity of the model fit is questionable.

| Analysis of Maximum Likelihood Estimates | | | | | | |
|--|----|----------|-------------------|--------------------|------------|--|
| Parameter | DF | Estimate | Standard Error | Wald Chi-Square | Pr > ChiSq | |
| Intercept | 1 | 7.7476 | 88.8731 | 0.0076 | 0.9305 | |
| Age | 1 | 0.2800 | 0.0694 | 16.2907 | <.0001 | |
| Cust_Tenure | 1 | 0.4762 | 0.1144 | 17.3115 | <.0001 | |
| Overall_cust_satisfa | 1 | 0.7882 | 0.3311 | 5.6658 | 0.0173 | |
| Cust_Income | 1 | 0.000033 | 0.000114 | 0.0820 | 0.7746 | |
| Agent_Tenure | 1 | -0.0737 | 0.1527 | 0.2328 | 0.6295 | |
| Complaint | 1 | -1.7097 | 0.7332 | 5.4379 | 0.0197 | |
| YTD_contact_cnt | 1 | 0.1342 | 0.1032 | 1.6936 | 0.1931 | |
| Due_date_day_cnt | 1 | 0.0311 | 0.0798 | 0.1520 | 0.6966 | |
| Existing_policy_coun | 1 | 0.1372 | 0.0823 | 2.7794 | 0.0955 | |
| Miss_due_date_cnt | 1 | -12.9975 | 44.4065 | 0.0857 | 0.7698 | |

| Odds Ratio Estimates | | | | | |
|----------------------|-------------------|-------------------------------|----------|--|--|
| Effect | Point Estimate | 95% Wald Confidence Limits | | | |
| Age | 1.323 | 1.155 | 1.516 | | |
| Cust_Tenure | 1.610 | 1.286 | 2.015 | | |
| Overall_cust_satisfa | 2.199 | 1.149 | 4.209 | | |
| Cust_Income | 1.000 | 1.000 | 1.000 | | |
| Agent_Tenure | 0.929 | 0.689 | 1.253 | | |
| Complaint | 0.181 | 0.043 | 0.761 | | |
| YTD_contact_cnt | 1.144 | 0.934 | 1.400 | | |
| Due_date_day_cnt | 1.032 | 0.882 | 1.206 | | |
| Existing_policy_coun | 1.147 | 0.976 | 1.348 | | |
| Miss_due_date_cnt | <0.001 | <0.001 | >999.999 | | |

| Association of Predicted Probabilities and Observed Responses | | | |
|--|--------|-----------|-------|
| Percent Concordant | 99.9 | Somers' D | 0.999 |
| Percent Discordant | 0.1 | Gamma | 0.999 |
| Percent Tied | 0.0 | Tau-a | 0.285 |
| Pairs | 249888 | С | 0.999 |