

# Part one: Principle Component Analysis and Feature Selection

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## Principle Component Analysis and Feature Selection for Carrefour Supermarket.

### 1) Defining the question.

#### a) Specifying the question.

Which are the most relevant marketing strategies that will result in the highest sales?

#### b) The metric of success.

Having a particular strategy/ies from the data given and detecting fraudulent activity.

#### c) The context.

Boosting sales by studying customer behaviour and detecting anomalies.

#### d) Experimental design.

##### i) Loading and reading the data

##### ii) Data cleaning.

##### iii) Implementing PCA, Feature Selection, Associative Analysis and Anomaly Detection.

##### iv) Interpreting the results

##### v) Challenging the solution.

##### vi) Conclusion and recommendation

##### vii) Follow up questions.

e) Appropriateness of the Data Available.

The data is from carrefour supermarket and is therefore relevant to our study.

## 2)Loading and Reading Data.

```
# Loading libraries
#
library(data.table)
library(tibble)
library(tidyverse)

## -- Attaching packages ----- tidyverse 1.3.1 --

## v ggplot2 3.3.6      v dplyr  1.0.9
## v tidyr  1.2.0       v stringr 1.4.0
## v readr  2.1.2       v forcats 0.5.1
## v purrr  0.3.4

## -- Conflicts ----- tidyverse_conflicts() --
## x dplyr::between()   masks data.table::between()
## x dplyr::filter()    masks stats::filter()
## x dplyr::first()     masks data.table::first()
## x dplyr::lag()       masks stats::lag()
## x dplyr::last()      masks data.table::last()
## x purrr::transpose() masks data.table::transpose()

library(corrplot)

## corrplot 0.92 loaded

library(caret)

## Loading required package: lattice

##
## Attaching package: 'caret'

## The following object is masked from 'package:purrr':
##
##     lift

library(ggplot2)
library(GGally)

## Registered S3 method overwritten by 'GGally':
##   method from
##   +.gg      ggplot2
```

```
library(moments)
library(plyr)
```

```
## -----

## You have loaded plyr after dplyr - this is likely to cause problems.
## If you need functions from both plyr and dplyr, please load plyr first, then dplyr:
## library(plyr); library(dplyr)
```

```
## -----
```

```
##
## Attaching package: 'plyr'
```

```
## The following objects are masked from 'package:dplyr':
##
##   arrange, count, desc, failwith, id, mutate, rename, summarise,
##   summarize
```

```
## The following object is masked from 'package:purrr':
##
##   compact
```

```
library(dplyr)
library(datasets)
library(MixGHD)
```

```
## Loading required package: MASS
```

```
##
## Attaching package: 'MASS'
```

```
## The following object is masked from 'package:dplyr':
##
##   select
```

```
library(devtools)
```

```
## Loading required package: usethis
```

```
library(ggbiplot)
```

```
## Loading required package: scales
```

```
##
## Attaching package: 'scales'
```

```
## The following object is masked from 'package:purrr':
##
##   discard
```

```
## The following object is masked from 'package:readr':
##
##   col_factor
```

```
## Loading required package: grid
```

```
library(factoextra)
```

```
## Welcome! Want to learn more? See two factoextra-related books at https://goo.gl/ve3WBa
```

```
# Loading the data
#
carre <- fread('http://bit.ly/CarreFourDataset')
carre
```

```
##      Invoice ID Branch Customer type Gender      Product line Unit price
##  1: 750-67-8428      A      Member Female  Health and beauty      74.69
##  2: 226-31-3081      C      Normal Female Electronic accessories    15.28
##  3: 631-41-3108      A      Normal  Male   Home and lifestyle      46.33
##  4: 123-19-1176      A      Member  Male   Health and beauty      58.22
##  5: 373-73-7910      A      Normal  Male   Sports and travel      86.31
##  ---
## 996: 233-67-5758      C      Normal  Male   Health and beauty      40.35
## 997: 303-96-2227      B      Normal Female Home and lifestyle      97.38
## 998: 727-02-1313      A      Member  Male   Food and beverages     31.84
## 999: 347-56-2442      A      Normal  Male   Home and lifestyle     65.82
##1000: 849-09-3807      A      Member Female Fashion accessories     88.34
##      Quantity      Tax      Date Time      Payment  cogs
##  1:          7 26.1415 1/5/2019 13:08      Ewallet 522.83
##  2:          5  3.8200 3/8/2019 10:29          Cash  76.40
##  3:          7 16.2155 3/3/2019 13:23 Credit card 324.31
##  4:          8 23.2880 1/27/2019 20:33      Ewallet 465.76
##  5:          7 30.2085 2/8/2019 10:37      Ewallet 604.17
##  ---
## 996:          1  2.0175 1/29/2019 13:46      Ewallet  40.35
## 997:         10 48.6900 3/2/2019 17:16      Ewallet 973.80
## 998:          1  1.5920 2/9/2019 13:22          Cash  31.84
## 999:          1  3.2910 2/22/2019 15:33          Cash  65.82
##1000:          7 30.9190 2/18/2019 13:28          Cash 618.38
##      gross margin percentage gross income Rating      Total
##  1:                4.761905          26.1415    9.1  548.9715
##  2:                4.761905           3.8200    9.6   80.2200
##  3:                4.761905          16.2155    7.4  340.5255
##  4:                4.761905          23.2880    8.4  489.0480
##  5:                4.761905          30.2085    5.3  634.3785
##  ---
## 996:                4.761905           2.0175    6.2   42.3675
## 997:                4.761905          48.6900    4.4 1022.4900
## 998:                4.761905           1.5920    7.7   33.4320
## 999:                4.761905           3.2910    4.1   69.1110
##1000:                4.761905          30.9190    6.6  649.2990
```

```
carref <- tibble(carre)
carref
```

```
## # A tibble: 1,000 x 16
##   'Invoice ID' Branch 'Customer type' Gender 'Product line'      'Unit price'
##   <chr>         <chr> <chr>         <chr> <chr>                <dbl>
## 1 750-67-8428  A      Member      Female Health and beauty      74.7
## 2 226-31-3081  C      Normal      Female Electronic accessori~    15.3
## 3 631-41-3108  A      Normal      Male   Home and lifestyle      46.3
## 4 123-19-1176  A      Member      Male   Health and beauty      58.2
## 5 373-73-7910  A      Normal      Male   Sports and travel      86.3
## 6 699-14-3026  C      Normal      Male   Electronic accessori~    85.4
## 7 355-53-5943  A      Member      Female Electronic accessori~    68.8
## 8 315-22-5665  C      Normal      Female Home and lifestyle      73.6
## 9 665-32-9167  A      Member      Female Health and beauty      36.3
## 10 692-92-5582 B      Member      Female Food and beverages     54.8
## # ... with 990 more rows, and 10 more variables: Quantity <int>, Tax <dbl>,
## #   Date <chr>, Time <chr>, Payment <chr>, cogs <dbl>,
## #   'gross margin percentage' <dbl>, 'gross income' <dbl>, Rating <dbl>,
## #   Total <dbl>
```

```
# checking the top and bottom of the dataset
#
head(carref)
```

```
## # A tibble: 6 x 16
##   'Invoice ID' Branch 'Customer type' Gender 'Product line'      'Unit price'
##   <chr>         <chr> <chr>         <chr> <chr>                <dbl>
## 1 750-67-8428  A      Member      Female Health and beauty      74.7
## 2 226-31-3081  C      Normal      Female Electronic accessories  15.3
## 3 631-41-3108  A      Normal      Male   Home and lifestyle      46.3
## 4 123-19-1176  A      Member      Male   Health and beauty      58.2
## 5 373-73-7910  A      Normal      Male   Sports and travel      86.3
## 6 699-14-3026  C      Normal      Male   Electronic accessories  85.4
## # ... with 10 more variables: Quantity <int>, Tax <dbl>, Date <chr>,
## #   Time <chr>, Payment <chr>, cogs <dbl>, 'gross margin percentage' <dbl>,
## #   'gross income' <dbl>, Rating <dbl>, Total <dbl>
```

```
# checking the bottom of the dataset
#
tail(carref)
```

```
## # A tibble: 6 x 16
##   'Invoice ID' Branch 'Customer type' Gender 'Product line'      'Unit price'
##   <chr>         <chr> <chr>         <chr> <chr>                <dbl>
## 1 652-49-6720  C      Member      Female Electronic accessories  61.0
## 2 233-67-5758  C      Normal      Male   Health and beauty      40.4
## 3 303-96-2227  B      Normal      Female Home and lifestyle      97.4
## 4 727-02-1313  A      Member      Male   Food and beverages      31.8
## 5 347-56-2442  A      Normal      Male   Home and lifestyle      65.8
## 6 849-09-3807  A      Member      Female Fashion accessories     88.3
## # ... with 10 more variables: Quantity <int>, Tax <dbl>, Date <chr>,
```

```
## #   Time <chr>, Payment <chr>, cogs <dbl>, 'gross margin percentage' <dbl>,
## #   'gross income' <dbl>, Rating <dbl>, Total <dbl>
```

```
# checking data types and elements of each variable
#
glimpse(carref)
```

```
## Rows: 1,000
## Columns: 16
## $ 'Invoice ID'      <chr> "750-67-8428", "226-31-3081", "631-41-3108", ~
## $ Branch            <chr> "A", "C", "A", "A", "A", "C", "A", "C", "A", ~
## $ 'Customer type'   <chr> "Member", "Normal", "Normal", "Member", "Nor~
## $ Gender            <chr> "Female", "Female", "Male", "Male", "Male", ~
## $ 'Product line'    <chr> "Health and beauty", "Electronic accessories~
## $ 'Unit price'      <dbl> 74.69, 15.28, 46.33, 58.22, 86.31, 85.39, 68~
## $ Quantity          <int> 7, 5, 7, 8, 7, 7, 6, 10, 2, 3, 4, 4, 5, 10, ~
## $ Tax               <dbl> 26.1415, 3.8200, 16.2155, 23.2880, 30.2085, ~
## $ Date              <chr> "1/5/2019", "3/8/2019", "3/3/2019", "1/27/20~
## $ Time              <chr> "13:08", "10:29", "13:23", "20:33", "10:37", ~
## $ Payment           <chr> "Ewallet", "Cash", "Credit card", "Ewallet", ~
## $ cogs              <dbl> 522.83, 76.40, 324.31, 465.76, 604.17, 597.7~
## $ 'gross margin percentage' <dbl> 4.761905, 4.761905, 4.761905, 4.761905, 4.76~
## $ 'gross income'    <dbl> 26.1415, 3.8200, 16.2155, 23.2880, 30.2085, ~
## $ Rating            <dbl> 9.1, 9.6, 7.4, 8.4, 5.3, 4.1, 5.8, 8.0, 7.2, ~
## $ Total             <dbl> 548.9715, 80.2200, 340.5255, 489.0480, 634.3~
```

### 3) Data Cleaning.

```
# checking for missing values
#
colSums(is.na(carref))
```

```
##           Invoice ID           Branch           Customer type
##              0              0              0
##           Gender       Product line       Unit price
##              0              0              0
##           Quantity           Tax           Date
##              0              0              0
##           Time           Payment           cogs
##              0              0              0
## gross margin percentage gross income       Rating
##              0              0              0
##           Total
##              0
```

```
# There are no missing values
```

```
# checking for duplicates
#
dup <- carref[duplicated(carref),]
dup
```

```
## # A tibble: 0 x 16
## # ... with 16 variables: Invoice ID <chr>, Branch <chr>, Customer type <chr>,
## #   Gender <chr>, Product line <chr>, Unit price <dbl>, Quantity <int>,
## #   Tax <dbl>, Date <chr>, Time <chr>, Payment <chr>, cogs <dbl>,
## #   gross margin percentage <dbl>, gross income <dbl>, Rating <dbl>,
## #   Total <dbl>
```

```
# there are no duplicates.
```

```
# dropping invoice id, date and time
# and total column that is the target variable
#
drop <- c("Invoice ID", "Date", "Time", "Total")
carrefo <- carref[,!(names(carref) %in% drop)]
carrefo
```

```
## # A tibble: 1,000 x 12
##   Branch 'Customer type' Gender 'Product line' 'Unit price' Quantity Tax
##   <chr> <chr> <chr> <chr> <dbl> <int> <dbl>
## 1 A Member Female Health and beauty 74.7 7 26.1
## 2 C Normal Female Electronic accesso~ 15.3 5 3.82
## 3 A Normal Male Home and lifestyle 46.3 7 16.2
## 4 A Member Male Health and beauty 58.2 8 23.3
## 5 A Normal Male Sports and travel 86.3 7 30.2
## 6 C Normal Male Electronic accesso~ 85.4 7 29.9
## 7 A Member Female Electronic accesso~ 68.8 6 20.7
## 8 C Normal Female Home and lifestyle 73.6 10 36.8
## 9 A Member Female Health and beauty 36.3 2 3.63
## 10 B Member Female Food and beverages 54.8 3 8.23
## # ... with 990 more rows, and 5 more variables: Payment <chr>, cogs <dbl>,
## # 'gross margin percentage' <dbl>, 'gross income' <dbl>, Rating <dbl>
```

```
# Changing data into a data frame
#
carrefou <- as.data.frame(carrefo)
carrefou
```

```
##   Branch Customer type Gender Product line Unit price Quantity
## 1 A Member Female Health and beauty 74.69 7
## 2 C Normal Female Electronic accessories 15.28 5
## 3 A Normal Male Home and lifestyle 46.33 7
## 4 A Member Male Health and beauty 58.22 8
## 5 A Normal Male Sports and travel 86.31 7
## 6 C Normal Male Electronic accessories 85.39 7
## 7 A Member Female Electronic accessories 68.84 6
## 8 C Normal Female Home and lifestyle 73.56 10
## 9 A Member Female Health and beauty 36.26 2
## 10 B Member Female Food and beverages 54.84 3
## 11 B Member Female Fashion accessories 14.48 4
## 12 B Member Male Electronic accessories 25.51 4
## 13 A Normal Female Electronic accessories 46.95 5
## 14 A Normal Male Food and beverages 43.19 10
## 15 A Normal Female Health and beauty 71.38 10
```

## 16	B	Member Female	Sports and travel	93.72	6
## 17	A	Member Female	Health and beauty	68.93	7
## 18	A	Normal Male	Sports and travel	72.61	6
## 19	A	Normal Male	Food and beverages	54.67	3
## 20	B	Normal Female	Home and lifestyle	40.30	2
## 21	C	Member Male	Electronic accessories	86.04	5
## 22	B	Normal Male	Health and beauty	87.98	3
## 23	B	Normal Male	Home and lifestyle	33.20	2
## 24	A	Normal Male	Electronic accessories	34.56	5
## 25	A	Member Male	Sports and travel	88.63	3
## 26	A	Member Female	Home and lifestyle	52.59	8
## 27	B	Normal Male	Fashion accessories	33.52	1
## 28	A	Normal Female	Fashion accessories	87.67	2
## 29	B	Normal Female	Food and beverages	88.36	5
## 30	A	Normal Male	Health and beauty	24.89	9
## 31	B	Normal Male	Fashion accessories	94.13	5
## 32	B	Member Male	Sports and travel	78.07	9
## 33	B	Normal Male	Sports and travel	83.78	8
## 34	A	Normal Male	Health and beauty	96.58	2
## 35	C	Member Female	Food and beverages	99.42	4
## 36	C	Member Female	Sports and travel	68.12	1
## 37	A	Member Male	Sports and travel	62.62	5
## 38	A	Normal Female	Electronic accessories	60.88	9
## 39	C	Normal Female	Health and beauty	54.92	8
## 40	B	Member Male	Home and lifestyle	30.12	8
## 41	B	Member Female	Home and lifestyle	86.72	1
## 42	C	Member Male	Home and lifestyle	56.11	2
## 43	B	Member Female	Sports and travel	69.12	6
## 44	C	Member Female	Food and beverages	98.70	8
## 45	C	Member Male	Health and beauty	15.37	2
## 46	B	Member Female	Electronic accessories	93.96	4
## 47	B	Member Male	Health and beauty	56.69	9
## 48	B	Member Female	Food and beverages	20.01	9
## 49	B	Member Male	Electronic accessories	18.93	6
## 50	C	Member Female	Fashion accessories	82.63	10
## 51	C	Member Male	Food and beverages	91.40	7
## 52	A	Member Female	Food and beverages	44.59	5
## 53	B	Member Female	Fashion accessories	17.87	4
## 54	C	Member Male	Fashion accessories	15.43	1
## 55	B	Normal Male	Home and lifestyle	16.16	2
## 56	C	Normal Female	Electronic accessories	85.98	8
## 57	A	Member Male	Home and lifestyle	44.34	2
## 58	A	Normal Male	Health and beauty	89.60	8
## 59	A	Member Female	Home and lifestyle	72.35	10
## 60	C	Normal Male	Electronic accessories	30.61	6
## 61	C	Member Female	Sports and travel	24.74	3
## 62	C	Normal Male	Home and lifestyle	55.73	6
## 63	B	Member Female	Sports and travel	55.07	9
## 64	A	Member Male	Sports and travel	15.81	10
## 65	B	Member Male	Health and beauty	75.74	4
## 66	A	Member Male	Health and beauty	15.87	10
## 67	C	Normal Female	Health and beauty	33.47	2
## 68	B	Member Female	Fashion accessories	97.61	6
## 69	A	Normal Male	Sports and travel	78.77	10



## 70	A	Member Female	Health and beauty	18.33	1
## 71	C	Normal Male	Food and beverages	89.48	10
## 72	C	Normal Male	Fashion accessories	62.12	10
## 73	B	Member Female	Food and beverages	48.52	3
## 74	C	Normal Female	Electronic accessories	75.91	6
## 75	A	Normal Male	Home and lifestyle	74.67	9
## 76	C	Normal Female	Electronic accessories	41.65	10
## 77	C	Member Male	Fashion accessories	49.04	9
## 78	A	Member Female	Fashion accessories	20.01	9
## 79	C	Member Female	Food and beverages	78.31	10
## 80	C	Normal Female	Health and beauty	20.38	5
## 81	C	Normal Female	Health and beauty	99.19	6
## 82	B	Normal Female	Food and beverages	96.68	3
## 83	C	Normal Male	Food and beverages	19.25	8
## 84	C	Member Female	Food and beverages	80.36	4
## 85	C	Member Male	Sports and travel	48.91	5
## 86	C	Normal Female	Sports and travel	83.06	7
## 87	C	Normal Male	Fashion accessories	76.52	5
## 88	A	Member Male	Food and beverages	49.38	7
## 89	A	Normal Male	Sports and travel	42.47	1
## 90	B	Normal Female	Health and beauty	76.99	6
## 91	C	Member Female	Home and lifestyle	47.38	4
## 92	C	Normal Female	Sports and travel	44.86	10
## 93	A	Member Female	Sports and travel	21.98	7
## 94	B	Member Male	Health and beauty	64.36	9
## 95	C	Normal Male	Health and beauty	89.75	1
## 96	A	Normal Male	Electronic accessories	97.16	1
## 97	B	Normal Male	Health and beauty	87.87	10
## 98	C	Normal Female	Electronic accessories	12.45	6
## 99	A	Normal Male	Food and beverages	52.75	3
## 100	B	Normal Male	Home and lifestyle	82.70	6
## 101	C	Member Male	Fashion accessories	48.71	1
## 102	C	Normal Male	Fashion accessories	78.55	9
## 103	C	Normal Female	Electronic accessories	23.07	9
## 104	A	Normal Male	Food and beverages	58.26	6
## 105	B	Normal Male	Health and beauty	30.35	7
## 106	A	Member Male	Electronic accessories	88.67	10
## 107	C	Normal Male	Fashion accessories	27.38	6
## 108	A	Normal Male	Sports and travel	62.13	6
## 109	C	Normal Female	Food and beverages	33.98	9
## 110	C	Member Male	Electronic accessories	81.97	10
## 111	B	Member Female	Sports and travel	16.49	2
## 112	C	Member Female	Health and beauty	98.21	3
## 113	B	Normal Female	Fashion accessories	72.84	7
## 114	A	Member Male	Home and lifestyle	58.07	9
## 115	C	Member Female	Home and lifestyle	80.79	9
## 116	C	Normal Female	Fashion accessories	27.02	3
## 117	B	Member Male	Fashion accessories	21.94	5
## 118	B	Member Male	Fashion accessories	51.36	1
## 119	A	Normal Female	Food and beverages	10.96	10
## 120	B	Normal Male	Home and lifestyle	53.44	2
## 121	A	Normal Female	Electronic accessories	99.56	8
## 122	C	Member Male	Sports and travel	57.12	7
## 123	B	Member Male	Sports and travel	99.96	9

## 124	C	Member	Male	Home and lifestyle	63.91	8
## 125	B	Member	Female	Fashion accessories	56.47	8
## 126	A	Normal	Female	Home and lifestyle	93.69	7
## 127	A	Normal	Female	Sports and travel	32.25	5
## 128	C	Normal	Female	Fashion accessories	31.73	9
## 129	C	Member	Female	Food and beverages	68.54	8
## 130	B	Normal	Female	Sports and travel	90.28	9
## 131	B	Normal	Female	Fashion accessories	39.62	7
## 132	A	Member	Female	Sports and travel	92.13	6
## 133	B	Normal	Female	Sports and travel	34.84	4
## 134	B	Member	Male	Electronic accessories	87.45	6
## 135	C	Normal	Female	Health and beauty	81.30	6
## 136	C	Normal	Male	Fashion accessories	90.22	3
## 137	A	Normal	Female	Electronic accessories	26.31	5
## 138	A	Member	Female	Home and lifestyle	34.42	6
## 139	B	Normal	Male	Sports and travel	51.91	10
## 140	A	Normal	Male	Sports and travel	72.50	8
## 141	C	Member	Female	Sports and travel	89.80	10
## 142	C	Member	Male	Health and beauty	90.50	10
## 143	C	Member	Female	Health and beauty	68.60	10
## 144	C	Member	Female	Food and beverages	30.41	1
## 145	A	Normal	Female	Home and lifestyle	77.95	6
## 146	C	Normal	Female	Health and beauty	46.26	6
## 147	A	Member	Female	Fashion accessories	30.14	10
## 148	C	Normal	Male	Health and beauty	66.14	4
## 149	B	Member	Male	Home and lifestyle	71.86	8
## 150	A	Normal	Male	Health and beauty	32.46	8
## 151	B	Member	Female	Fashion accessories	91.54	4
## 152	C	Member	Male	Sports and travel	34.56	7
## 153	A	Normal	Male	Fashion accessories	83.24	9
## 154	C	Normal	Female	Food and beverages	16.48	6
## 155	C	Normal	Female	Sports and travel	80.97	8
## 156	A	Member	Male	Food and beverages	92.29	5
## 157	B	Member	Male	Electronic accessories	72.17	1
## 158	B	Normal	Male	Home and lifestyle	50.28	5
## 159	B	Member	Male	Health and beauty	97.22	9
## 160	B	Normal	Male	Sports and travel	93.39	6
## 161	C	Normal	Female	Food and beverages	43.18	8
## 162	A	Normal	Male	Sports and travel	63.69	1
## 163	A	Normal	Male	Food and beverages	45.79	7
## 164	C	Normal	Male	Sports and travel	76.40	2
## 165	B	Normal	Male	Food and beverages	39.90	10
## 166	B	Member	Male	Health and beauty	42.57	8
## 167	C	Normal	Male	Home and lifestyle	95.58	10
## 168	A	Normal	Male	Fashion accessories	98.98	10
## 169	A	Normal	Male	Food and beverages	51.28	6
## 170	A	Member	Male	Sports and travel	69.52	7
## 171	A	Normal	Male	Health and beauty	70.01	5
## 172	B	Member	Male	Food and beverages	80.05	5
## 173	C	Normal	Male	Electronic accessories	20.85	8
## 174	B	Member	Male	Electronic accessories	52.89	6
## 175	B	Normal	Male	Food and beverages	19.79	8
## 176	A	Member	Male	Home and lifestyle	33.84	9
## 177	A	Member	Male	Food and beverages	22.17	8

## 178	C	Normal	Female	Fashion accessories	22.51	7
## 179	A	Normal	Male	Food and beverages	73.88	6
## 180	C	Member	Male	Health and beauty	86.80	3
## 181	C	Normal	Male	Fashion accessories	64.26	7
## 182	C	Member	Male	Food and beverages	38.47	8
## 183	A	Member	Male	Sports and travel	15.50	10
## 184	C	Normal	Male	Health and beauty	34.31	8
## 185	A	Normal	Female	Sports and travel	12.34	7
## 186	B	Member	Male	Food and beverages	18.08	3
## 187	B	Member	Female	Home and lifestyle	94.49	8
## 188	B	Member	Male	Home and lifestyle	46.47	4
## 189	A	Normal	Male	Home and lifestyle	74.07	1
## 190	C	Normal	Female	Home and lifestyle	69.81	4
## 191	B	Normal	Female	Home and lifestyle	77.04	3
## 192	B	Normal	Female	Fashion accessories	73.52	2
## 193	C	Normal	Female	Food and beverages	87.80	9
## 194	B	Normal	Male	Home and lifestyle	25.55	4
## 195	A	Normal	Male	Electronic accessories	32.71	5
## 196	C	Member	Female	Fashion accessories	74.29	1
## 197	C	Member	Male	Health and beauty	43.70	2
## 198	A	Normal	Female	Home and lifestyle	25.29	1
## 199	C	Normal	Male	Health and beauty	41.50	4
## 200	C	Member	Female	Food and beverages	71.39	5
## 201	C	Member	Female	Sports and travel	19.15	6
## 202	B	Member	Female	Electronic accessories	57.49	4
## 203	C	Normal	Male	Electronic accessories	61.41	7
## 204	B	Member	Male	Health and beauty	25.90	10
## 205	B	Member	Male	Home and lifestyle	17.77	5
## 206	A	Normal	Female	Health and beauty	23.03	9
## 207	C	Member	Female	Electronic accessories	66.65	9
## 208	C	Member	Female	Home and lifestyle	28.53	10
## 209	B	Normal	Female	Fashion accessories	30.37	3
## 210	B	Normal	Female	Electronic accessories	99.73	9
## 211	A	Normal	Male	Electronic accessories	26.23	9
## 212	C	Normal	Female	Food and beverages	93.26	9
## 213	B	Normal	Male	Home and lifestyle	92.36	5
## 214	B	Normal	Male	Sports and travel	46.42	3
## 215	B	Member	Female	Sports and travel	29.61	7
## 216	A	Normal	Male	Home and lifestyle	18.28	1
## 217	B	Normal	Female	Sports and travel	24.77	5
## 218	A	Member	Female	Electronic accessories	94.64	3
## 219	B	Normal	Male	Fashion accessories	94.87	8
## 220	B	Normal	Female	Food and beverages	57.34	3
## 221	B	Normal	Male	Electronic accessories	45.35	6
## 222	B	Normal	Male	Food and beverages	62.08	7
## 223	C	Normal	Male	Electronic accessories	11.81	5
## 224	C	Member	Female	Fashion accessories	12.54	1
## 225	A	Normal	Male	Food and beverages	43.25	2
## 226	C	Member	Female	Sports and travel	87.16	2
## 227	B	Member	Male	Health and beauty	69.37	9
## 228	C	Member	Male	Electronic accessories	37.06	4
## 229	B	Member	Female	Electronic accessories	90.70	6
## 230	A	Normal	Female	Home and lifestyle	63.42	8
## 231	B	Normal	Female	Fashion accessories	81.37	2

## 232	B	Member	Female	Electronic accessories	10.59	3
## 233	B	Normal	Female	Health and beauty	84.09	9
## 234	B	Member	Male	Fashion accessories	73.82	4
## 235	A	Member	Male	Health and beauty	51.94	10
## 236	A	Normal	Female	Sports and travel	93.14	2
## 237	C	Normal	Male	Health and beauty	17.41	5
## 238	C	Member	Female	Fashion accessories	44.22	5
## 239	B	Member	Female	Electronic accessories	13.22	5
## 240	A	Normal	Male	Fashion accessories	89.69	1
## 241	A	Normal	Male	Food and beverages	24.94	9
## 242	A	Normal	Male	Health and beauty	59.77	2
## 243	C	Member	Male	Fashion accessories	93.20	2
## 244	A	Member	Male	Home and lifestyle	62.65	4
## 245	B	Normal	Male	Home and lifestyle	93.87	8
## 246	A	Member	Male	Home and lifestyle	47.59	8
## 247	B	Member	Female	Electronic accessories	81.40	3
## 248	A	Member	Male	Fashion accessories	17.94	5
## 249	A	Member	Male	Electronic accessories	77.72	4
## 250	B	Normal	Male	Food and beverages	73.06	7
## 251	B	Member	Male	Food and beverages	46.55	9
## 252	C	Member	Male	Fashion accessories	35.19	10
## 253	C	Normal	Female	Sports and travel	14.39	2
## 254	A	Normal	Male	Home and lifestyle	23.75	4
## 255	A	Member	Male	Home and lifestyle	58.90	8
## 256	B	Member	Male	Fashion accessories	32.62	4
## 257	A	Member	Male	Electronic accessories	66.35	1
## 258	A	Member	Male	Home and lifestyle	25.91	6
## 259	A	Member	Male	Electronic accessories	32.25	4
## 260	C	Member	Male	Electronic accessories	65.94	4
## 261	A	Normal	Female	Electronic accessories	75.06	9
## 262	C	Normal	Female	Fashion accessories	16.45	4
## 263	B	Member	Female	Fashion accessories	38.30	4
## 264	A	Member	Female	Sports and travel	22.24	10
## 265	B	Normal	Male	Sports and travel	54.45	1
## 266	A	Member	Female	Sports and travel	98.40	7
## 267	C	Normal	Male	Home and lifestyle	35.47	4
## 268	B	Member	Female	Food and beverages	74.60	10
## 269	A	Member	Male	Home and lifestyle	70.74	4
## 270	A	Member	Female	Home and lifestyle	35.54	10
## 271	B	Normal	Female	Sports and travel	67.43	5
## 272	C	Member	Female	Health and beauty	21.12	2
## 273	A	Member	Female	Home and lifestyle	21.54	9
## 274	A	Normal	Female	Home and lifestyle	12.03	2
## 275	B	Normal	Female	Health and beauty	99.71	6
## 276	B	Normal	Male	Fashion accessories	47.97	7
## 277	C	Member	Female	Home and lifestyle	21.82	10
## 278	C	Normal	Female	Fashion accessories	95.42	4
## 279	C	Member	Male	Fashion accessories	70.99	10
## 280	A	Member	Male	Sports and travel	44.02	10
## 281	A	Normal	Female	Home and lifestyle	69.96	8
## 282	C	Normal	Male	Home and lifestyle	37.00	1
## 283	A	Normal	Female	Sports and travel	15.34	1
## 284	A	Member	Male	Health and beauty	99.83	6
## 285	A	Member	Female	Health and beauty	47.67	4

## 286	B	Normal	Male	Health and beauty	66.68	5
## 287	C	Member	Male	Home and lifestyle	74.86	1
## 288	C	Normal	Female	Sports and travel	23.75	9
## 289	B	Normal	Female	Food and beverages	48.51	7
## 290	A	Member	Female	Home and lifestyle	94.88	7
## 291	B	Member	Male	Electronic accessories	40.30	10
## 292	C	Normal	Male	Electronic accessories	27.85	7
## 293	A	Member	Female	Electronic accessories	62.48	1
## 294	A	Member	Female	Food and beverages	36.36	2
## 295	B	Normal	Male	Health and beauty	18.11	10
## 296	C	Member	Female	Electronic accessories	51.92	5
## 297	C	Normal	Male	Electronic accessories	28.84	4
## 298	A	Member	Male	Home and lifestyle	78.38	6
## 299	A	Member	Male	Home and lifestyle	60.01	4
## 300	C	Member	Female	Home and lifestyle	88.61	1
## 301	C	Normal	Male	Fashion accessories	99.82	2
## 302	B	Member	Male	Health and beauty	39.01	1
## 303	C	Normal	Male	Food and beverages	48.61	1
## 304	A	Normal	Female	Electronic accessories	51.19	4
## 305	B	Normal	Female	Electronic accessories	14.96	8
## 306	A	Member	Male	Electronic accessories	72.20	7
## 307	A	Normal	Female	Sports and travel	40.23	7
## 308	A	Member	Female	Home and lifestyle	88.79	8
## 309	A	Member	Female	Electronic accessories	26.48	3
## 310	A	Normal	Female	Fashion accessories	81.91	2
## 311	B	Member	Male	Sports and travel	79.93	6
## 312	C	Member	Male	Fashion accessories	69.33	2
## 313	A	Member	Female	Food and beverages	14.23	5
## 314	A	Member	Female	Health and beauty	15.55	9
## 315	C	Member	Female	Electronic accessories	78.13	10
## 316	C	Member	Male	Food and beverages	99.37	2
## 317	C	Member	Female	Food and beverages	21.08	3
## 318	C	Member	Male	Electronic accessories	74.79	5
## 319	C	Member	Female	Health and beauty	29.67	7
## 320	C	Member	Male	Health and beauty	44.07	4
## 321	C	Normal	Female	Food and beverages	22.93	9
## 322	C	Normal	Female	Health and beauty	39.42	1
## 323	A	Normal	Male	Health and beauty	15.26	6
## 324	A	Normal	Female	Fashion accessories	61.77	5
## 325	A	Normal	Male	Home and lifestyle	21.52	6
## 326	B	Normal	Male	Sports and travel	97.74	4
## 327	A	Member	Male	Food and beverages	99.78	5
## 328	C	Member	Male	Food and beverages	94.26	4
## 329	B	Member	Male	Health and beauty	51.13	4
## 330	A	Member	Male	Electronic accessories	36.36	4
## 331	B	Normal	Male	Home and lifestyle	22.02	9
## 332	A	Normal	Male	Food and beverages	32.90	3
## 333	A	Normal	Male	Fashion accessories	77.02	5
## 334	A	Member	Male	Food and beverages	23.48	2
## 335	C	Member	Male	Sports and travel	14.70	5
## 336	A	Member	Female	Electronic accessories	28.45	5
## 337	A	Normal	Male	Fashion accessories	76.40	9
## 338	B	Normal	Female	Sports and travel	57.95	6
## 339	C	Normal	Female	Electronic accessories	47.65	3

## 340	B	Member Female	Food and beverages	42.82	9
## 341	B	Member Male	Electronic accessories	48.09	3
## 342	B	Member Female	Health and beauty	55.97	7
## 343	B	Member Female	Health and beauty	76.90	7
## 344	C	Normal Female	Food and beverages	97.03	5
## 345	A	Normal Male	Sports and travel	44.65	3
## 346	A	Normal Female	Fashion accessories	77.93	9
## 347	A	Member Male	Electronic accessories	71.95	1
## 348	C	Member Female	Home and lifestyle	89.25	8
## 349	A	Normal Male	Electronic accessories	26.02	7
## 350	B	Normal Female	Health and beauty	13.50	10
## 351	C	Member Female	Fashion accessories	99.30	10
## 352	A	Normal Male	Electronic accessories	51.69	7
## 353	B	Member Female	Fashion accessories	54.73	7
## 354	B	Member Male	Home and lifestyle	27.00	9
## 355	C	Normal Female	Electronic accessories	30.24	1
## 356	B	Member Female	Food and beverages	89.14	4
## 357	C	Normal Female	Fashion accessories	37.55	10
## 358	C	Normal Female	Sports and travel	95.44	10
## 359	B	Normal Male	Electronic accessories	27.50	3
## 360	B	Normal Male	Sports and travel	74.97	1
## 361	A	Member Male	Food and beverages	80.96	8
## 362	C	Normal Female	Food and beverages	94.47	8
## 363	C	Normal Male	Food and beverages	99.79	2
## 364	A	Normal Male	Home and lifestyle	73.22	6
## 365	C	Normal Female	Food and beverages	41.24	4
## 366	C	Normal Female	Fashion accessories	81.68	4
## 367	C	Normal Female	Electronic accessories	51.32	9
## 368	A	Member Male	Home and lifestyle	65.94	4
## 369	C	Normal Female	Sports and travel	14.36	10
## 370	A	Member Male	Electronic accessories	21.50	9
## 371	B	Member Female	Electronic accessories	26.26	7
## 372	B	Normal Female	Fashion accessories	60.96	2
## 373	C	Normal Female	Home and lifestyle	70.11	6
## 374	C	Normal Male	Fashion accessories	42.08	6
## 375	A	Normal Female	Home and lifestyle	67.09	5
## 376	A	Member Female	Fashion accessories	96.70	5
## 377	B	Member Female	Home and lifestyle	35.38	9
## 378	C	Normal Male	Sports and travel	95.49	7
## 379	C	Member Male	Fashion accessories	96.98	4
## 380	B	Normal Female	Electronic accessories	23.65	4
## 381	A	Member Male	Sports and travel	82.33	4
## 382	C	Normal Female	Electronic accessories	26.61	2
## 383	B	Normal Female	Food and beverages	99.69	5
## 384	C	Member Female	Food and beverages	74.89	4
## 385	A	Normal Female	Food and beverages	40.94	5
## 386	B	Member Male	Sports and travel	75.82	1
## 387	C	Normal Male	Food and beverages	46.77	6
## 388	A	Normal Female	Health and beauty	32.32	10
## 389	C	Member Female	Fashion accessories	54.07	9
## 390	B	Normal Male	Food and beverages	18.22	7
## 391	C	Member Female	Fashion accessories	80.48	3
## 392	B	Normal Female	Fashion accessories	37.95	10
## 393	A	Member Male	Electronic accessories	76.82	1

## 394	A	Member Female	Sports and travel	52.26	10
## 395	A	Normal Female	Health and beauty	79.74	1
## 396	A	Normal Female	Health and beauty	77.50	5
## 397	A	Normal Female	Food and beverages	54.27	5
## 398	B	Normal Male	Home and lifestyle	13.59	9
## 399	B	Member Female	Health and beauty	41.06	6
## 400	B	Member Male	Electronic accessories	19.24	9
## 401	C	Normal Female	Food and beverages	39.43	6
## 402	C	Normal Male	Home and lifestyle	46.22	4
## 403	C	Member Male	Home and lifestyle	13.98	1
## 404	B	Normal Female	Fashion accessories	39.75	5
## 405	C	Member Female	Fashion accessories	97.79	7
## 406	A	Member Male	Sports and travel	67.26	4
## 407	A	Normal Male	Food and beverages	13.79	5
## 408	B	Member Female	Fashion accessories	68.71	4
## 409	A	Normal Female	Home and lifestyle	56.53	4
## 410	C	Normal Female	Fashion accessories	23.82	5
## 411	B	Normal Female	Health and beauty	34.21	10
## 412	B	Normal Male	Sports and travel	21.87	2
## 413	A	Member Male	Health and beauty	20.97	5
## 414	A	Normal Male	Sports and travel	25.84	3
## 415	A	Normal Male	Home and lifestyle	50.93	8
## 416	B	Normal Male	Health and beauty	96.11	1
## 417	C	Normal Female	Home and lifestyle	45.38	4
## 418	C	Member Female	Health and beauty	81.51	1
## 419	B	Normal Female	Health and beauty	57.22	2
## 420	A	Member Female	Electronic accessories	25.22	7
## 421	C	Member Female	Food and beverages	38.60	3
## 422	C	Normal Female	Electronic accessories	84.05	3
## 423	C	Member Female	Fashion accessories	97.21	10
## 424	B	Member Male	Fashion accessories	25.42	8
## 425	C	Normal Male	Fashion accessories	16.28	1
## 426	B	Member Male	Fashion accessories	40.61	9
## 427	A	Member Male	Health and beauty	53.17	7
## 428	B	Member Female	Food and beverages	20.87	3
## 429	B	Normal Male	Sports and travel	67.27	5
## 430	A	Member Female	Home and lifestyle	90.65	10
## 431	B	Normal Male	Fashion accessories	69.08	2
## 432	C	Normal Male	Food and beverages	43.27	2
## 433	A	Normal Female	Electronic accessories	23.46	6
## 434	B	Normal Male	Fashion accessories	95.54	7
## 435	B	Normal Female	Fashion accessories	47.44	1
## 436	C	Normal Male	Sports and travel	99.24	9
## 437	C	Member Male	Sports and travel	82.93	4
## 438	A	Normal Male	Home and lifestyle	33.99	6
## 439	C	Member Male	Food and beverages	17.04	4
## 440	C	Normal Female	Electronic accessories	40.86	8
## 441	C	Member Male	Food and beverages	17.44	5
## 442	B	Member Female	Sports and travel	88.43	8
## 443	A	Member Female	Home and lifestyle	89.21	9
## 444	C	Normal Male	Fashion accessories	12.78	1
## 445	A	Normal Female	Sports and travel	19.10	7
## 446	B	Member Female	Health and beauty	19.15	1
## 447	C	Member Male	Food and beverages	27.66	10

## 448	C	Normal	Male	Fashion accessories	45.74	3
## 449	B	Member	Female	Health and beauty	27.07	1
## 450	B	Member	Female	Sports and travel	39.12	1
## 451	B	Normal	Female	Electronic accessories	74.71	6
## 452	B	Normal	Male	Electronic accessories	22.01	6
## 453	A	Normal	Female	Food and beverages	63.61	5
## 454	A	Normal	Male	Health and beauty	25.00	1
## 455	A	Member	Male	Electronic accessories	20.77	4
## 456	B	Member	Female	Fashion accessories	29.56	5
## 457	B	Member	Female	Food and beverages	77.40	9
## 458	B	Normal	Male	Electronic accessories	79.39	10
## 459	C	Member	Female	Electronic accessories	46.57	10
## 460	C	Normal	Male	Food and beverages	35.89	1
## 461	C	Normal	Male	Food and beverages	40.52	5
## 462	B	Member	Female	Food and beverages	73.05	10
## 463	C	Normal	Female	Sports and travel	73.95	4
## 464	C	Member	Female	Food and beverages	22.62	1
## 465	A	Member	Male	Food and beverages	51.34	5
## 466	C	Member	Female	Sports and travel	54.55	10
## 467	C	Member	Female	Health and beauty	37.15	7
## 468	B	Normal	Male	Sports and travel	37.02	6
## 469	C	Normal	Male	Food and beverages	21.58	1
## 470	C	Member	Female	Electronic accessories	98.84	1
## 471	C	Member	Female	Home and lifestyle	83.77	6
## 472	A	Member	Female	Sports and travel	40.05	4
## 473	A	Member	Male	Fashion accessories	43.13	10
## 474	B	Member	Male	Health and beauty	72.57	8
## 475	A	Member	Female	Electronic accessories	64.44	5
## 476	A	Normal	Male	Health and beauty	65.18	3
## 477	A	Normal	Female	Sports and travel	33.26	5
## 478	C	Normal	Male	Electronic accessories	84.07	4
## 479	B	Normal	Male	Sports and travel	34.37	10
## 480	A	Normal	Male	Electronic accessories	38.60	1
## 481	C	Normal	Male	Food and beverages	65.97	8
## 482	C	Normal	Female	Electronic accessories	32.80	10
## 483	A	Normal	Male	Sports and travel	37.14	5
## 484	B	Member	Male	Home and lifestyle	60.38	10
## 485	C	Member	Female	Sports and travel	36.98	10
## 486	B	Member	Female	Sports and travel	49.49	4
## 487	B	Normal	Female	Fashion accessories	41.09	10
## 488	A	Normal	Male	Fashion accessories	37.15	4
## 489	C	Normal	Male	Home and lifestyle	22.96	1
## 490	B	Member	Female	Home and lifestyle	77.68	9
## 491	B	Normal	Female	Fashion accessories	34.70	2
## 492	A	Member	Female	Fashion accessories	19.66	10
## 493	B	Member	Female	Health and beauty	25.32	8
## 494	C	Member	Female	Home and lifestyle	12.12	10
## 495	B	Normal	Male	Fashion accessories	99.89	2
## 496	B	Normal	Male	Sports and travel	75.92	8
## 497	C	Normal	Female	Electronic accessories	63.22	2
## 498	C	Normal	Female	Food and beverages	90.24	6
## 499	B	Member	Female	Sports and travel	98.13	1
## 500	A	Member	Female	Sports and travel	51.52	8
## 501	B	Member	Male	Sports and travel	73.97	1



## 502	C	Member Female	Fashion accessories	31.90	1
## 503	C	Normal Male	Home and lifestyle	69.40	2
## 504	B	Normal Female	Sports and travel	93.31	2
## 505	B	Normal Male	Sports and travel	88.45	1
## 506	A	Member Male	Electronic accessories	24.18	8
## 507	B	Member Female	Sports and travel	48.50	3
## 508	B	Normal Female	Food and beverages	84.05	6
## 509	B	Member Male	Health and beauty	61.29	5
## 510	C	Member Female	Home and lifestyle	15.95	6
## 511	B	Member Female	Sports and travel	90.74	7
## 512	A	Normal Female	Home and lifestyle	42.91	5
## 513	A	Normal Female	Fashion accessories	54.28	7
## 514	A	Normal Male	Electronic accessories	99.55	7
## 515	C	Member Male	Sports and travel	58.39	7
## 516	C	Member Female	Fashion accessories	51.47	1
## 517	B	Member Male	Health and beauty	54.86	5
## 518	C	Member Male	Home and lifestyle	39.39	5
## 519	A	Normal Male	Home and lifestyle	34.73	2
## 520	C	Member Male	Sports and travel	71.92	5
## 521	B	Normal Female	Electronic accessories	45.71	3
## 522	C	Member Female	Home and lifestyle	83.17	6
## 523	A	Member Female	Home and lifestyle	37.44	6
## 524	C	Normal Male	Health and beauty	62.87	2
## 525	A	Normal Male	Food and beverages	81.71	6
## 526	A	Member Female	Sports and travel	91.41	5
## 527	B	Normal Male	Fashion accessories	39.21	4
## 528	B	Member Male	Fashion accessories	59.86	2
## 529	B	Member Female	Food and beverages	54.36	10
## 530	A	Normal Male	Sports and travel	98.09	9
## 531	A	Normal Male	Health and beauty	25.43	6
## 532	A	Member Male	Fashion accessories	86.68	8
## 533	B	Normal Male	Electronic accessories	22.95	10
## 534	C	Normal Female	Food and beverages	16.31	9
## 535	A	Normal Female	Home and lifestyle	28.32	5
## 536	C	Normal Male	Home and lifestyle	16.67	7
## 537	B	Member Female	Fashion accessories	73.96	1
## 538	A	Normal Male	Home and lifestyle	97.94	1
## 539	A	Normal Female	Fashion accessories	73.05	4
## 540	C	Member Female	Food and beverages	87.48	6
## 541	A	Normal Male	Home and lifestyle	30.68	3
## 542	C	Member Male	Health and beauty	75.88	1
## 543	B	Member Female	Sports and travel	20.18	4
## 544	C	Member Male	Electronic accessories	18.77	6
## 545	B	Normal Female	Food and beverages	71.20	1
## 546	B	Member Male	Home and lifestyle	38.81	4
## 547	A	Normal Female	Fashion accessories	29.42	10
## 548	A	Normal Male	Sports and travel	60.95	9
## 549	B	Normal Female	Sports and travel	51.54	5
## 550	A	Normal Female	Electronic accessories	66.06	6
## 551	B	Normal Male	Fashion accessories	57.27	3
## 552	B	Normal Female	Fashion accessories	54.31	9
## 553	B	Normal Female	Health and beauty	58.24	9
## 554	C	Normal Male	Electronic accessories	22.21	6
## 555	A	Member Male	Electronic accessories	19.32	7

## 556	B	Normal	Male	Home and lifestyle	37.48	3
## 557	B	Member	Female	Fashion accessories	72.04	2
## 558	C	Member	Female	Food and beverages	98.52	10
## 559	A	Member	Male	Food and beverages	41.66	6
## 560	A	Member	Female	Home and lifestyle	72.42	3
## 561	B	Normal	Male	Electronic accessories	21.58	9
## 562	C	Normal	Male	Food and beverages	89.20	10
## 563	B	Normal	Female	Electronic accessories	42.42	8
## 564	A	Member	Male	Electronic accessories	74.51	6
## 565	B	Normal	Male	Fashion accessories	99.25	2
## 566	A	Normal	Female	Food and beverages	81.21	10
## 567	C	Normal	Female	Sports and travel	49.33	10
## 568	A	Normal	Female	Fashion accessories	65.74	9
## 569	B	Normal	Female	Fashion accessories	79.86	7
## 570	C	Normal	Female	Sports and travel	73.98	7
## 571	B	Member	Female	Home and lifestyle	82.04	5
## 572	B	Member	Male	Sports and travel	26.67	10
## 573	A	Member	Male	Food and beverages	10.13	7
## 574	B	Normal	Male	Food and beverages	72.39	2
## 575	A	Normal	Male	Sports and travel	85.91	5
## 576	B	Member	Male	Fashion accessories	81.31	7
## 577	B	Normal	Male	Food and beverages	60.30	4
## 578	C	Normal	Male	Food and beverages	31.77	4
## 579	A	Normal	Female	Health and beauty	64.27	4
## 580	B	Normal	Male	Health and beauty	69.51	2
## 581	C	Normal	Male	Food and beverages	27.22	3
## 582	A	Member	Female	Health and beauty	77.68	4
## 583	C	Member	Female	Fashion accessories	92.98	2
## 584	B	Member	Female	Fashion accessories	18.08	4
## 585	B	Normal	Male	Sports and travel	63.06	3
## 586	A	Normal	Male	Health and beauty	51.71	4
## 587	A	Normal	Female	Food and beverages	52.34	3
## 588	A	Normal	Female	Sports and travel	43.06	5
## 589	C	Normal	Male	Fashion accessories	59.61	10
## 590	A	Normal	Male	Health and beauty	14.62	5
## 591	C	Member	Male	Health and beauty	46.53	6
## 592	C	Member	Female	Home and lifestyle	24.24	7
## 593	A	Member	Female	Sports and travel	45.58	1
## 594	A	Member	Female	Sports and travel	75.20	3
## 595	B	Member	Male	Sports and travel	96.80	3
## 596	B	Normal	Male	Health and beauty	14.82	3
## 597	A	Normal	Male	Food and beverages	52.20	3
## 598	C	Normal	Female	Sports and travel	46.66	9
## 599	C	Normal	Female	Fashion accessories	36.85	5
## 600	A	Member	Female	Home and lifestyle	70.32	2
## 601	C	Normal	Male	Electronic accessories	83.08	1
## 602	C	Normal	Female	Fashion accessories	64.99	1
## 603	C	Normal	Male	Food and beverages	77.56	10
## 604	B	Normal	Female	Sports and travel	54.51	6
## 605	C	Member	Female	Fashion accessories	51.89	7
## 606	B	Normal	Male	Home and lifestyle	31.75	4
## 607	A	Member	Female	Fashion accessories	53.65	7
## 608	C	Member	Female	Food and beverages	49.79	4
## 609	A	Normal	Male	Fashion accessories	30.61	1

## 610	B	Member	Male	Food and beverages	57.89	2
## 611	A	Normal	Female	Electronic accessories	28.96	1
## 612	C	Member	Female	Food and beverages	98.97	9
## 613	B	Member	Male	Fashion accessories	93.22	3
## 614	C	Member	Male	Sports and travel	80.93	1
## 615	A	Member	Male	Food and beverages	67.45	10
## 616	A	Member	Female	Sports and travel	38.72	9
## 617	B	Member	Male	Sports and travel	72.60	6
## 618	C	Member	Male	Electronic accessories	87.91	5
## 619	A	Member	Male	Food and beverages	98.53	6
## 620	C	Member	Female	Fashion accessories	43.46	6
## 621	A	Normal	Female	Food and beverages	71.68	3
## 622	A	Member	Female	Food and beverages	91.61	1
## 623	B	Member	Female	Home and lifestyle	94.59	7
## 624	B	Normal	Female	Fashion accessories	83.25	10
## 625	B	Member	Male	Fashion accessories	91.35	1
## 626	B	Member	Female	Food and beverages	78.88	2
## 627	A	Normal	Male	Sports and travel	60.87	2
## 628	B	Member	Male	Health and beauty	82.58	10
## 629	A	Member	Male	Home and lifestyle	53.30	3
## 630	A	Normal	Female	Fashion accessories	12.09	1
## 631	A	Normal	Male	Sports and travel	64.19	10
## 632	A	Normal	Male	Electronic accessories	78.31	3
## 633	A	Member	Male	Food and beverages	83.77	2
## 634	B	Normal	Male	Home and lifestyle	99.70	3
## 635	B	Member	Male	Food and beverages	79.91	3
## 636	B	Member	Male	Health and beauty	66.47	10
## 637	A	Normal	Male	Health and beauty	28.95	7
## 638	C	Normal	Female	Electronic accessories	46.20	1
## 639	B	Member	Female	Food and beverages	17.63	5
## 640	B	Normal	Male	Fashion accessories	52.42	3
## 641	B	Member	Female	Food and beverages	98.79	3
## 642	C	Member	Female	Electronic accessories	88.55	8
## 643	B	Member	Male	Electronic accessories	55.67	2
## 644	C	Member	Female	Food and beverages	72.52	8
## 645	C	Member	Male	Electronic accessories	12.05	5
## 646	A	Member	Male	Home and lifestyle	19.36	9
## 647	C	Normal	Male	Health and beauty	70.21	6
## 648	B	Member	Male	Fashion accessories	33.63	1
## 649	C	Member	Female	Sports and travel	15.49	2
## 650	C	Normal	Male	Electronic accessories	24.74	10
## 651	B	Normal	Male	Electronic accessories	75.66	5
## 652	B	Normal	Female	Health and beauty	55.81	6
## 653	A	Member	Male	Home and lifestyle	72.78	10
## 654	B	Member	Male	Sports and travel	37.32	9
## 655	B	Member	Male	Fashion accessories	60.18	4
## 656	A	Normal	Female	Electronic accessories	15.69	3
## 657	C	Normal	Female	Electronic accessories	99.69	1
## 658	A	Member	Female	Fashion accessories	88.15	3
## 659	A	Member	Female	Sports and travel	27.93	5
## 660	A	Member	Male	Fashion accessories	55.45	1
## 661	B	Normal	Female	Sports and travel	42.97	3
## 662	C	Member	Male	Sports and travel	17.14	7
## 663	B	Member	Female	Fashion accessories	58.75	6

## 664	C	Member Female	Food and beverages	87.10	10
## 665	C	Normal Female	Sports and travel	98.80	2
## 666	A	Normal Female	Fashion accessories	48.63	4
## 667	B	Member Male	Food and beverages	57.74	3
## 668	B	Normal Female	Health and beauty	17.97	4
## 669	C	Member Female	Health and beauty	47.71	6
## 670	B	Normal Female	Sports and travel	40.62	2
## 671	A	Member Male	Fashion accessories	56.04	10
## 672	B	Member Male	Food and beverages	93.40	2
## 673	B	Normal Female	Health and beauty	73.41	3
## 674	C	Normal Male	Health and beauty	33.64	8
## 675	A	Normal Female	Electronic accessories	45.48	10
## 676	B	Member Male	Fashion accessories	83.77	2
## 677	B	Member Female	Sports and travel	64.08	7
## 678	A	Member Female	Food and beverages	73.47	4
## 679	C	Normal Male	Health and beauty	58.95	10
## 680	A	Member Male	Food and beverages	48.50	6
## 681	B	Member Female	Electronic accessories	39.48	1
## 682	B	Normal Female	Sports and travel	34.81	1
## 683	C	Normal Female	Fashion accessories	49.32	6
## 684	A	Member Male	Fashion accessories	21.48	2
## 685	B	Member Female	Sports and travel	23.08	6
## 686	B	Member Female	Home and lifestyle	49.10	2
## 687	B	Member Female	Sports and travel	64.83	2
## 688	A	Member Male	Home and lifestyle	63.56	10
## 689	C	Member Male	Sports and travel	72.88	2
## 690	A	Normal Female	Food and beverages	67.10	3
## 691	C	Member Female	Sports and travel	70.19	9
## 692	C	Member Male	Food and beverages	55.04	7
## 693	A	Member Male	Health and beauty	48.63	10
## 694	C	Member Female	Fashion accessories	73.38	7
## 695	C	Normal Female	Food and beverages	52.60	9
## 696	A	Member Female	Home and lifestyle	87.37	5
## 697	A	Member Female	Sports and travel	27.04	4
## 698	B	Normal Male	Home and lifestyle	62.19	4
## 699	A	Member Male	Electronic accessories	69.58	9
## 700	C	Normal Male	Home and lifestyle	97.50	10
## 701	C	Normal Female	Fashion accessories	60.41	8
## 702	B	Normal Male	Food and beverages	32.32	3
## 703	B	Member Female	Fashion accessories	19.77	10
## 704	B	Member Male	Health and beauty	80.47	9
## 705	B	Member Female	Home and lifestyle	88.39	9
## 706	B	Normal Male	Health and beauty	71.77	7
## 707	B	Normal Female	Electronic accessories	43.00	4
## 708	C	Member Male	Food and beverages	68.98	1
## 709	C	Normal Male	Fashion accessories	15.62	8
## 710	A	Normal Male	Sports and travel	25.70	3
## 711	A	Member Male	Food and beverages	80.62	6
## 712	C	Member Female	Home and lifestyle	75.53	4
## 713	C	Normal Female	Electronic accessories	77.63	9
## 714	C	Normal Female	Health and beauty	13.85	9
## 715	C	Member Male	Fashion accessories	98.70	8
## 716	A	Normal Female	Health and beauty	35.68	5
## 717	A	Member Female	Fashion accessories	71.46	7

## 718	A	Member	Male	Electronic accessories	11.94	3
## 719	A	Normal	Male	Fashion accessories	45.38	3
## 720	B	Member	Female	Fashion accessories	17.48	6
## 721	B	Normal	Female	Fashion accessories	25.56	7
## 722	C	Member	Female	Sports and travel	90.63	9
## 723	B	Normal	Male	Home and lifestyle	44.12	3
## 724	C	Member	Female	Food and beverages	36.77	7
## 725	B	Member	Male	Food and beverages	23.34	4
## 726	C	Member	Female	Health and beauty	28.50	8
## 727	C	Member	Male	Home and lifestyle	55.57	3
## 728	B	Normal	Male	Sports and travel	69.74	10
## 729	C	Normal	Male	Fashion accessories	97.26	4
## 730	B	Member	Female	Home and lifestyle	52.18	7
## 731	A	Member	Female	Fashion accessories	22.32	4
## 732	A	Normal	Male	Health and beauty	56.00	3
## 733	A	Member	Male	Fashion accessories	19.70	1
## 734	B	Normal	Male	Electronic accessories	75.88	7
## 735	B	Member	Male	Food and beverages	53.72	1
## 736	C	Member	Male	Health and beauty	81.95	10
## 737	C	Member	Female	Home and lifestyle	81.20	7
## 738	C	Normal	Male	Electronic accessories	58.76	10
## 739	B	Member	Male	Electronic accessories	91.56	8
## 740	A	Normal	Male	Home and lifestyle	93.96	9
## 741	C	Normal	Male	Home and lifestyle	55.61	7
## 742	C	Normal	Male	Food and beverages	84.83	1
## 743	A	Member	Female	Sports and travel	71.63	2
## 744	A	Member	Male	Home and lifestyle	37.69	2
## 745	C	Member	Female	Sports and travel	31.67	8
## 746	C	Member	Female	Food and beverages	38.42	1
## 747	B	Member	Male	Fashion accessories	65.23	10
## 748	C	Member	Female	Home and lifestyle	10.53	5
## 749	B	Member	Female	Home and lifestyle	12.29	9
## 750	C	Member	Male	Health and beauty	81.23	7
## 751	B	Member	Female	Fashion accessories	22.32	4
## 752	A	Normal	Female	Food and beverages	27.28	5
## 753	A	Member	Female	Electronic accessories	17.42	10
## 754	B	Normal	Male	Home and lifestyle	73.28	5
## 755	C	Member	Female	Fashion accessories	84.87	3
## 756	A	Normal	Female	Fashion accessories	97.29	8
## 757	B	Member	Female	Electronic accessories	35.74	8
## 758	A	Normal	Female	Home and lifestyle	96.52	6
## 759	A	Member	Male	Food and beverages	18.85	10
## 760	A	Normal	Female	Food and beverages	55.39	4
## 761	B	Member	Female	Food and beverages	77.20	10
## 762	B	Normal	Male	Electronic accessories	72.13	10
## 763	A	Member	Female	Fashion accessories	63.88	8
## 764	A	Member	Female	Health and beauty	10.69	5
## 765	A	Member	Male	Health and beauty	55.50	4
## 766	B	Normal	Female	Home and lifestyle	95.46	8
## 767	C	Normal	Female	Fashion accessories	76.06	3
## 768	B	Normal	Male	Sports and travel	13.69	6
## 769	B	Normal	Female	Electronic accessories	95.64	4
## 770	A	Normal	Female	Home and lifestyle	11.43	6
## 771	B	Member	Female	Sports and travel	95.54	4

## 772	C	Member Female	Health and beauty	85.87	7
## 773	C	Member Female	Sports and travel	67.99	7
## 774	C	Normal Female	Food and beverages	52.42	1
## 775	C	Member Male	Food and beverages	65.65	2
## 776	B	Normal Female	Food and beverages	28.86	5
## 777	C	Member Male	Health and beauty	65.31	7
## 778	B	Normal Male	Sports and travel	93.38	1
## 779	C	Member Male	Sports and travel	25.25	5
## 780	B	Member Male	Electronic accessories	87.87	9
## 781	C	Normal Male	Health and beauty	21.80	8
## 782	A	Normal Female	Sports and travel	94.76	4
## 783	A	Member Female	Fashion accessories	30.62	1
## 784	C	Normal Female	Home and lifestyle	44.01	8
## 785	C	Member Female	Health and beauty	10.16	5
## 786	A	Normal Male	Electronic accessories	74.58	7
## 787	C	Normal Male	Electronic accessories	71.89	8
## 788	C	Normal Female	Health and beauty	10.99	5
## 789	C	Member Male	Health and beauty	60.47	3
## 790	A	Normal Male	Sports and travel	58.91	7
## 791	A	Normal Male	Fashion accessories	46.41	1
## 792	C	Member Male	Health and beauty	68.55	4
## 793	B	Normal Female	Home and lifestyle	97.37	10
## 794	A	Member Male	Electronic accessories	92.60	7
## 795	A	Normal Female	Electronic accessories	46.61	2
## 796	B	Normal Male	Fashion accessories	27.18	2
## 797	C	Member Female	Home and lifestyle	60.87	1
## 798	A	Member Female	Sports and travel	24.49	10
## 799	B	Normal Male	Health and beauty	92.78	1
## 800	C	Member Male	Home and lifestyle	86.69	5
## 801	B	Normal Male	Sports and travel	23.01	6
## 802	C	Member Female	Electronic accessories	30.20	8
## 803	C	Member Male	Fashion accessories	67.39	7
## 804	A	Member Female	Fashion accessories	48.96	9
## 805	B	Member Female	Electronic accessories	75.59	9
## 806	A	Normal Female	Home and lifestyle	77.47	4
## 807	A	Normal Female	Sports and travel	93.18	2
## 808	A	Normal Female	Electronic accessories	50.23	4
## 809	B	Normal Female	Health and beauty	17.75	1
## 810	C	Normal Female	Fashion accessories	62.18	10
## 811	B	Normal Male	Health and beauty	10.75	8
## 812	A	Normal Female	Electronic accessories	40.26	10
## 813	C	Member Female	Sports and travel	64.97	5
## 814	A	Normal Male	Electronic accessories	95.15	1
## 815	A	Member Female	Electronic accessories	48.62	8
## 816	B	Normal Female	Food and beverages	53.21	8
## 817	C	Normal Female	Fashion accessories	45.44	7
## 818	A	Normal Male	Food and beverages	33.88	8
## 819	B	Member Male	Health and beauty	96.16	4
## 820	B	Member Male	Food and beverages	47.16	5
## 821	B	Normal Male	Electronic accessories	52.89	4
## 822	A	Member Female	Home and lifestyle	47.68	2
## 823	C	Member Male	Sports and travel	10.17	1
## 824	A	Normal Female	Health and beauty	68.71	3
## 825	B	Member Female	Sports and travel	60.08	7

## 826	A	Member Female	Sports and travel	22.01	4
## 827	B	Member Female	Health and beauty	72.11	9
## 828	A	Member Male	Fashion accessories	41.28	3
## 829	C	Normal Male	Electronic accessories	64.95	10
## 830	A	Member Female	Electronic accessories	74.22	10
## 831	A	Normal Male	Electronic accessories	10.56	8
## 832	B	Normal Male	Health and beauty	62.57	4
## 833	B	Member Female	Sports and travel	11.85	8
## 834	A	Member Male	Health and beauty	91.30	1
## 835	B	Member Female	Home and lifestyle	40.73	7
## 836	A	Normal Male	Fashion accessories	52.38	1
## 837	A	Member Male	Fashion accessories	38.54	5
## 838	B	Normal Male	Sports and travel	44.63	6
## 839	C	Normal Male	Electronic accessories	55.87	10
## 840	C	Member Female	Sports and travel	29.22	6
## 841	A	Normal Male	Fashion accessories	51.94	3
## 842	B	Normal Male	Electronic accessories	60.30	1
## 843	A	Member Female	Sports and travel	39.47	2
## 844	C	Member Female	Food and beverages	14.87	2
## 845	A	Normal Male	Fashion accessories	21.32	1
## 846	A	Member Male	Electronic accessories	93.78	3
## 847	A	Member Male	Electronic accessories	73.26	1
## 848	C	Normal Female	Sports and travel	22.38	1
## 849	C	Member Female	Food and beverages	72.88	9
## 850	A	Normal Female	Fashion accessories	99.10	6
## 851	A	Normal Male	Fashion accessories	74.10	1
## 852	A	Normal Female	Fashion accessories	98.48	2
## 853	C	Normal Male	Health and beauty	53.19	7
## 854	B	Normal Female	Electronic accessories	52.79	10
## 855	A	Member Female	Health and beauty	95.95	5
## 856	B	Normal Female	Fashion accessories	36.51	9
## 857	B	Normal Male	Food and beverages	21.12	8
## 858	A	Member Female	Home and lifestyle	28.31	4
## 859	B	Normal Male	Health and beauty	57.59	6
## 860	A	Member Female	Food and beverages	47.63	9
## 861	C	Member Female	Home and lifestyle	86.27	1
## 862	A	Member Male	Sports and travel	12.76	2
## 863	B	Normal Female	Home and lifestyle	11.28	9
## 864	B	Normal Female	Home and lifestyle	51.07	7
## 865	A	Member Female	Electronic accessories	79.59	3
## 866	C	Member Male	Health and beauty	33.81	3
## 867	B	Member Male	Sports and travel	90.53	8
## 868	C	Member Female	Health and beauty	62.82	2
## 869	C	Member Male	Food and beverages	24.31	3
## 870	A	Normal Male	Sports and travel	64.59	4
## 871	A	Member Male	Food and beverages	24.82	7
## 872	C	Normal Male	Fashion accessories	56.50	1
## 873	B	Member Female	Electronic accessories	21.43	10
## 874	A	Member Male	Sports and travel	89.06	6
## 875	A	Member Male	Home and lifestyle	23.29	4
## 876	C	Normal Male	Home and lifestyle	65.26	8
## 877	C	Member Male	Fashion accessories	52.35	1
## 878	B	Member Male	Electronic accessories	39.75	1
## 879	A	Normal Female	Electronic accessories	90.02	8

## 880	B	Member Female	Electronic accessories	12.10	8
## 881	B	Member Female	Food and beverages	33.21	10
## 882	C	Member Female	Fashion accessories	10.18	8
## 883	B	Member Male	Sports and travel	31.99	10
## 884	A	Member Female	Home and lifestyle	34.42	6
## 885	A	Member Female	Food and beverages	83.34	2
## 886	A	Normal Male	Sports and travel	45.58	7
## 887	A	Member Male	Food and beverages	87.90	1
## 888	A	Member Female	Electronic accessories	73.47	10
## 889	C	Normal Female	Fashion accessories	12.19	8
## 890	A	Member Male	Sports and travel	76.92	10
## 891	C	Normal Female	Health and beauty	83.66	5
## 892	B	Normal Female	Electronic accessories	57.91	8
## 893	C	Member Female	Fashion accessories	92.49	5
## 894	B	Normal Male	Electronic accessories	28.38	5
## 895	B	Member Male	Electronic accessories	50.45	6
## 896	B	Normal Male	Health and beauty	99.16	8
## 897	C	Normal Male	Fashion accessories	60.74	7
## 898	C	Member Female	Food and beverages	47.27	6
## 899	C	Member Male	Health and beauty	85.60	7
## 900	A	Member Male	Food and beverages	35.04	9
## 901	C	Member Female	Electronic accessories	44.84	9
## 902	B	Normal Male	Home and lifestyle	45.97	4
## 903	A	Member Female	Health and beauty	27.73	5
## 904	A	Normal Male	Food and beverages	11.53	7
## 905	C	Normal Female	Health and beauty	58.32	2
## 906	C	Member Female	Home and lifestyle	78.38	4
## 907	C	Normal Male	Health and beauty	84.61	10
## 908	B	Normal Female	Health and beauty	82.88	5
## 909	A	Member Female	Food and beverages	79.54	2
## 910	B	Normal Female	Home and lifestyle	49.01	10
## 911	B	Member Female	Food and beverages	29.15	3
## 912	C	Normal Female	Electronic accessories	56.13	4
## 913	A	Normal Female	Home and lifestyle	93.12	8
## 914	A	Member Male	Fashion accessories	51.34	8
## 915	A	Member Female	Food and beverages	99.60	3
## 916	C	Normal Female	Electronic accessories	35.49	6
## 917	C	Member Male	Sports and travel	42.85	1
## 918	A	Normal Female	Fashion accessories	94.67	4
## 919	B	Normal Male	Home and lifestyle	68.97	3
## 920	B	Member Female	Electronic accessories	26.26	3
## 921	C	Member Female	Home and lifestyle	35.79	9
## 922	B	Normal Female	Home and lifestyle	16.37	6
## 923	C	Member Female	Home and lifestyle	12.73	2
## 924	C	Normal Female	Sports and travel	83.14	7
## 925	C	Member Female	Sports and travel	35.22	6
## 926	B	Normal Female	Electronic accessories	13.78	4
## 927	B	Member Male	Sports and travel	88.31	1
## 928	A	Member Female	Health and beauty	39.62	9
## 929	B	Normal Female	Electronic accessories	88.25	9
## 930	B	Normal Male	Sports and travel	25.31	2
## 931	B	Normal Male	Home and lifestyle	99.92	6
## 932	C	Member Female	Fashion accessories	83.35	2
## 933	A	Normal Female	Food and beverages	74.44	10



## 934	C	Normal	Male	Health and beauty	64.08	7
## 935	B	Normal	Female	Home and lifestyle	63.15	6
## 936	C	Member	Male	Home and lifestyle	85.72	3
## 937	C	Normal	Female	Health and beauty	78.89	7
## 938	A	Normal	Female	Sports and travel	89.48	5
## 939	A	Member	Female	Health and beauty	92.09	3
## 940	C	Normal	Female	Food and beverages	57.29	6
## 941	A	Normal	Male	Food and beverages	66.52	4
## 942	C	Member	Male	Fashion accessories	99.82	9
## 943	A	Normal	Female	Home and lifestyle	45.68	10
## 944	A	Normal	Male	Health and beauty	50.79	5
## 945	A	Member	Male	Health and beauty	10.08	7
## 946	A	Normal	Female	Electronic accessories	93.88	7
## 947	C	Member	Male	Electronic accessories	84.25	2
## 948	B	Member	Male	Fashion accessories	53.78	1
## 949	C	Member	Male	Home and lifestyle	35.81	5
## 950	B	Normal	Female	Food and beverages	26.43	8
## 951	B	Member	Male	Health and beauty	39.91	3
## 952	B	Member	Female	Home and lifestyle	21.90	3
## 953	B	Member	Female	Food and beverages	62.85	4
## 954	C	Member	Female	Food and beverages	21.04	4
## 955	B	Member	Male	Home and lifestyle	65.91	6
## 956	A	Normal	Female	Fashion accessories	42.57	7
## 957	C	Member	Male	Food and beverages	50.49	9
## 958	B	Normal	Male	Electronic accessories	46.02	6
## 959	C	Normal	Female	Home and lifestyle	15.80	10
## 960	A	Member	Female	Food and beverages	98.66	9
## 961	C	Member	Male	Fashion accessories	91.98	1
## 962	A	Member	Male	Electronic accessories	20.89	2
## 963	A	Normal	Female	Fashion accessories	15.50	1
## 964	C	Member	Male	Electronic accessories	96.82	3
## 965	B	Normal	Male	Food and beverages	33.33	2
## 966	B	Normal	Female	Electronic accessories	38.27	2
## 967	A	Normal	Female	Home and lifestyle	33.30	9
## 968	A	Member	Male	Home and lifestyle	81.01	3
## 969	A	Normal	Female	Health and beauty	15.80	3
## 970	B	Member	Female	Electronic accessories	34.49	5
## 971	B	Member	Female	Food and beverages	84.63	10
## 972	B	Member	Male	Home and lifestyle	36.91	7
## 973	B	Normal	Male	Electronic accessories	87.08	7
## 974	A	Normal	Male	Home and lifestyle	80.08	3
## 975	C	Normal	Male	Fashion accessories	86.13	2
## 976	B	Member	Male	Fashion accessories	49.92	2
## 977	A	Normal	Female	Food and beverages	74.66	4
## 978	B	Member	Male	Food and beverages	26.60	6
## 979	B	Normal	Female	Electronic accessories	25.45	1
## 980	B	Normal	Female	Food and beverages	67.77	1
## 981	C	Member	Male	Food and beverages	59.59	4
## 982	A	Normal	Male	Health and beauty	58.15	4
## 983	A	Member	Female	Sports and travel	97.48	9
## 984	C	Normal	Male	Health and beauty	99.96	7
## 985	C	Normal	Male	Electronic accessories	96.37	7
## 986	B	Normal	Female	Fashion accessories	63.71	5
## 987	B	Normal	Female	Health and beauty	14.76	2

## 988	B	Member	Male	Health and beauty	62.00	8
## 989	C	Member	Male	Electronic accessories	82.34	10
## 990	B	Member	Male	Health and beauty	75.37	8
## 991	A	Normal	Female	Food and beverages	56.56	5
## 992	B	Normal	Female	Sports and travel	76.60	10
## 993	A	Normal	Male	Electronic accessories	58.03	2
## 994	B	Normal	Male	Fashion accessories	17.49	10
## 995	C	Member	Female	Electronic accessories	60.95	1
## 996	C	Normal	Male	Health and beauty	40.35	1
## 997	B	Normal	Female	Home and lifestyle	97.38	10
## 998	A	Member	Male	Food and beverages	31.84	1
## 999	A	Normal	Male	Home and lifestyle	65.82	1
## 1000	A	Member	Female	Fashion accessories	88.34	7
##	Tax	Payment	cogs	gross margin percentage	gross income	Rating
## 1	26.1415	Ewallet	522.83	4.761905	26.1415	9.1
## 2	3.8200	Cash	76.40	4.761905	3.8200	9.6
## 3	16.2155	Credit card	324.31	4.761905	16.2155	7.4
## 4	23.2880	Ewallet	465.76	4.761905	23.2880	8.4
## 5	30.2085	Ewallet	604.17	4.761905	30.2085	5.3
## 6	29.8865	Ewallet	597.73	4.761905	29.8865	4.1
## 7	20.6520	Ewallet	413.04	4.761905	20.6520	5.8
## 8	36.7800	Ewallet	735.60	4.761905	36.7800	8.0
## 9	3.6260	Credit card	72.52	4.761905	3.6260	7.2
## 10	8.2260	Credit card	164.52	4.761905	8.2260	5.9
## 11	2.8960	Ewallet	57.92	4.761905	2.8960	4.5
## 12	5.1020	Cash	102.04	4.761905	5.1020	6.8
## 13	11.7375	Ewallet	234.75	4.761905	11.7375	7.1
## 14	21.5950	Ewallet	431.90	4.761905	21.5950	8.2
## 15	35.6900	Cash	713.80	4.761905	35.6900	5.7
## 16	28.1160	Cash	562.32	4.761905	28.1160	4.5
## 17	24.1255	Credit card	482.51	4.761905	24.1255	4.6
## 18	21.7830	Credit card	435.66	4.761905	21.7830	6.9
## 19	8.2005	Credit card	164.01	4.761905	8.2005	8.6
## 20	4.0300	Ewallet	80.60	4.761905	4.0300	4.4
## 21	21.5100	Ewallet	430.20	4.761905	21.5100	4.8
## 22	13.1970	Ewallet	263.94	4.761905	13.1970	5.1
## 23	3.3200	Credit card	66.40	4.761905	3.3200	4.4
## 24	8.6400	Ewallet	172.80	4.761905	8.6400	9.9
## 25	13.2945	Ewallet	265.89	4.761905	13.2945	6.0
## 26	21.0360	Credit card	420.72	4.761905	21.0360	8.5
## 27	1.6760	Cash	33.52	4.761905	1.6760	6.7
## 28	8.7670	Credit card	175.34	4.761905	8.7670	7.7
## 29	22.0900	Cash	441.80	4.761905	22.0900	9.6
## 30	11.2005	Cash	224.01	4.761905	11.2005	7.4
## 31	23.5325	Credit card	470.65	4.761905	23.5325	4.8
## 32	35.1315	Cash	702.63	4.761905	35.1315	4.5
## 33	33.5120	Cash	670.24	4.761905	33.5120	5.1
## 34	9.6580	Credit card	193.16	4.761905	9.6580	5.1
## 35	19.8840	Ewallet	397.68	4.761905	19.8840	7.5
## 36	3.4060	Ewallet	68.12	4.761905	3.4060	6.8
## 37	15.6550	Ewallet	313.10	4.761905	15.6550	7.0
## 38	27.3960	Ewallet	547.92	4.761905	27.3960	4.7
## 39	21.9680	Ewallet	439.36	4.761905	21.9680	7.6
## 40	12.0480	Cash	240.96	4.761905	12.0480	7.7

## 41	4.3360	Ewallet	86.72	4.761905	4.3360	7.9
## 42	5.6110	Cash	112.22	4.761905	5.6110	6.3
## 43	20.7360	Cash	414.72	4.761905	20.7360	5.6
## 44	39.4800	Cash	789.60	4.761905	39.4800	7.6
## 45	1.5370	Cash	30.74	4.761905	1.5370	7.2
## 46	18.7920	Cash	375.84	4.761905	18.7920	9.5
## 47	25.5105	Credit card	510.21	4.761905	25.5105	8.4
## 48	9.0045	Ewallet	180.09	4.761905	9.0045	4.1
## 49	5.6790	Credit card	113.58	4.761905	5.6790	8.1
## 50	41.3150	Ewallet	826.30	4.761905	41.3150	7.9
## 51	31.9900	Cash	639.80	4.761905	31.9900	9.5
## 52	11.1475	Cash	222.95	4.761905	11.1475	8.5
## 53	3.5740	Ewallet	71.48	4.761905	3.5740	6.5
## 54	0.7715	Credit card	15.43	4.761905	0.7715	6.1
## 55	1.6160	Ewallet	32.32	4.761905	1.6160	6.5
## 56	34.3920	Cash	687.84	4.761905	34.3920	8.2
## 57	4.4340	Cash	88.68	4.761905	4.4340	5.8
## 58	35.8400	Ewallet	716.80	4.761905	35.8400	6.6
## 59	36.1750	Cash	723.50	4.761905	36.1750	5.4
## 60	9.1830	Cash	183.66	4.761905	9.1830	9.3
## 61	3.7110	Credit card	74.22	4.761905	3.7110	10.0
## 62	16.7190	Ewallet	334.38	4.761905	16.7190	7.0
## 63	24.7815	Ewallet	495.63	4.761905	24.7815	10.0
## 64	7.9050	Credit card	158.10	4.761905	7.9050	8.6
## 65	15.1480	Cash	302.96	4.761905	15.1480	7.6
## 66	7.9350	Cash	158.70	4.761905	7.9350	5.8
## 67	3.3470	Ewallet	66.94	4.761905	3.3470	6.7
## 68	29.2830	Ewallet	585.66	4.761905	29.2830	9.9
## 69	39.3850	Cash	787.70	4.761905	39.3850	6.4
## 70	0.9165	Cash	18.33	4.761905	0.9165	4.3
## 71	44.7400	Credit card	894.80	4.761905	44.7400	9.6
## 72	31.0600	Cash	621.20	4.761905	31.0600	5.9
## 73	7.2780	Ewallet	145.56	4.761905	7.2780	4.0
## 74	22.7730	Cash	455.46	4.761905	22.7730	8.7
## 75	33.6015	Ewallet	672.03	4.761905	33.6015	9.4
## 76	20.8250	Credit card	416.50	4.761905	20.8250	5.4
## 77	22.0680	Credit card	441.36	4.761905	22.0680	8.6
## 78	9.0045	Credit card	180.09	4.761905	9.0045	5.7
## 79	39.1550	Ewallet	783.10	4.761905	39.1550	6.6
## 80	5.0950	Cash	101.90	4.761905	5.0950	6.0
## 81	29.7570	Credit card	595.14	4.761905	29.7570	5.5
## 82	14.5020	Ewallet	290.04	4.761905	14.5020	6.4
## 83	7.7000	Ewallet	154.00	4.761905	7.7000	6.6
## 84	16.0720	Credit card	321.44	4.761905	16.0720	8.3
## 85	12.2275	Cash	244.55	4.761905	12.2275	6.6
## 86	29.0710	Ewallet	581.42	4.761905	29.0710	4.0
## 87	19.1300	Cash	382.60	4.761905	19.1300	9.9
## 88	17.2830	Credit card	345.66	4.761905	17.2830	7.3
## 89	2.1235	Cash	42.47	4.761905	2.1235	5.7
## 90	23.0970	Cash	461.94	4.761905	23.0970	6.1
## 91	9.4760	Cash	189.52	4.761905	9.4760	7.1
## 92	22.4300	Ewallet	448.60	4.761905	22.4300	8.2
## 93	7.6930	Ewallet	153.86	4.761905	7.6930	5.1
## 94	28.9620	Credit card	579.24	4.761905	28.9620	8.6

## 95	4.4875	Credit card	89.75	4.761905	4.4875	6.6
## 96	4.8580	Ewallet	97.16	4.761905	4.8580	7.2
## 97	43.9350	Ewallet	878.70	4.761905	43.9350	5.1
## 98	3.7350	Cash	74.70	4.761905	3.7350	4.1
## 99	7.9125	Ewallet	158.25	4.761905	7.9125	9.3
## 100	24.8100	Cash	496.20	4.761905	24.8100	7.4
## 101	2.4355	Cash	48.71	4.761905	2.4355	4.1
## 102	35.3475	Cash	706.95	4.761905	35.3475	7.2
## 103	10.3815	Cash	207.63	4.761905	10.3815	4.9
## 104	17.4780	Cash	349.56	4.761905	17.4780	9.9
## 105	10.6225	Cash	212.45	4.761905	10.6225	8.0
## 106	44.3350	Ewallet	886.70	4.761905	44.3350	7.3
## 107	8.2140	Credit card	164.28	4.761905	8.2140	7.9
## 108	18.6390	Cash	372.78	4.761905	18.6390	7.4
## 109	15.2910	Cash	305.82	4.761905	15.2910	4.2
## 110	40.9850	Cash	819.70	4.761905	40.9850	9.2
## 111	1.6490	Ewallet	32.98	4.761905	1.6490	4.6
## 112	14.7315	Credit card	294.63	4.761905	14.7315	7.8
## 113	25.4940	Cash	509.88	4.761905	25.4940	8.4
## 114	26.1315	Ewallet	522.63	4.761905	26.1315	4.3
## 115	36.3555	Credit card	727.11	4.761905	36.3555	9.5
## 116	4.0530	Credit card	81.06	4.761905	4.0530	7.1
## 117	5.4850	Ewallet	109.70	4.761905	5.4850	5.3
## 118	2.5680	Ewallet	51.36	4.761905	2.5680	5.2
## 119	5.4800	Ewallet	109.60	4.761905	5.4800	6.0
## 120	5.3440	Ewallet	106.88	4.761905	5.3440	4.1
## 121	39.8240	Credit card	796.48	4.761905	39.8240	5.2
## 122	19.9920	Credit card	399.84	4.761905	19.9920	6.5
## 123	44.9820	Credit card	899.64	4.761905	44.9820	4.2
## 124	25.5640	Credit card	511.28	4.761905	25.5640	4.6
## 125	22.5880	Ewallet	451.76	4.761905	22.5880	7.3
## 126	32.7915	Credit card	655.83	4.761905	32.7915	4.5
## 127	8.0625	Cash	161.25	4.761905	8.0625	9.0
## 128	14.2785	Credit card	285.57	4.761905	14.2785	5.9
## 129	27.4160	Ewallet	548.32	4.761905	27.4160	8.5
## 130	40.6260	Ewallet	812.52	4.761905	40.6260	7.2
## 131	13.8670	Cash	277.34	4.761905	13.8670	7.5
## 132	27.6390	Cash	552.78	4.761905	27.6390	8.3
## 133	6.9680	Cash	139.36	4.761905	6.9680	7.4
## 134	26.2350	Credit card	524.70	4.761905	26.2350	8.8
## 135	24.3900	Ewallet	487.80	4.761905	24.3900	5.3
## 136	13.5330	Cash	270.66	4.761905	13.5330	6.2
## 137	6.5775	Credit card	131.55	4.761905	6.5775	8.8
## 138	10.3260	Cash	206.52	4.761905	10.3260	9.8
## 139	25.9550	Cash	519.10	4.761905	25.9550	8.2
## 140	29.0000	Ewallet	580.00	4.761905	29.0000	9.2
## 141	44.9000	Credit card	898.00	4.761905	44.9000	5.4
## 142	45.2500	Cash	905.00	4.761905	45.2500	8.1
## 143	34.3000	Cash	686.00	4.761905	34.3000	9.1
## 144	1.5205	Credit card	30.41	4.761905	1.5205	8.4
## 145	23.3850	Ewallet	467.70	4.761905	23.3850	8.0
## 146	13.8780	Credit card	277.56	4.761905	13.8780	9.5
## 147	15.0700	Ewallet	301.40	4.761905	15.0700	9.2
## 148	13.2280	Credit card	264.56	4.761905	13.2280	5.6

## 149	28.7440	Credit card	574.88	4.761905	28.7440	6.2
## 150	12.9840	Credit card	259.68	4.761905	12.9840	4.9
## 151	18.3080	Credit card	366.16	4.761905	18.3080	4.8
## 152	12.0960	Credit card	241.92	4.761905	12.0960	7.3
## 153	37.4580	Credit card	749.16	4.761905	37.4580	7.4
## 154	4.9440	Ewallet	98.88	4.761905	4.9440	9.9
## 155	32.3880	Cash	647.76	4.761905	32.3880	9.3
## 156	23.0725	Credit card	461.45	4.761905	23.0725	9.0
## 157	3.6085	Cash	72.17	4.761905	3.6085	6.1
## 158	12.5700	Ewallet	251.40	4.761905	12.5700	9.7
## 159	43.7490	Ewallet	874.98	4.761905	43.7490	6.0
## 160	28.0170	Ewallet	560.34	4.761905	28.0170	10.0
## 161	17.2720	Credit card	345.44	4.761905	17.2720	8.3
## 162	3.1845	Cash	63.69	4.761905	3.1845	6.0
## 163	16.0265	Credit card	320.53	4.761905	16.0265	7.0
## 164	7.6400	Ewallet	152.80	4.761905	7.6400	6.5
## 165	19.9500	Credit card	399.00	4.761905	19.9500	5.9
## 166	17.0280	Ewallet	340.56	4.761905	17.0280	5.6
## 167	47.7900	Cash	955.80	4.761905	47.7900	4.8
## 168	49.4900	Credit card	989.80	4.761905	49.4900	8.7
## 169	15.3840	Cash	307.68	4.761905	15.3840	6.5
## 170	24.3320	Credit card	486.64	4.761905	24.3320	8.5
## 171	17.5025	Ewallet	350.05	4.761905	17.5025	5.5
## 172	20.0125	Credit card	400.25	4.761905	20.0125	9.4
## 173	8.3400	Cash	166.80	4.761905	8.3400	6.3
## 174	15.8670	Credit card	317.34	4.761905	15.8670	9.8
## 175	7.9160	Ewallet	158.32	4.761905	7.9160	8.7
## 176	15.2280	Ewallet	304.56	4.761905	15.2280	8.8
## 177	8.8680	Credit card	177.36	4.761905	8.8680	9.6
## 178	7.8785	Credit card	157.57	4.761905	7.8785	4.8
## 179	22.1640	Ewallet	443.28	4.761905	22.1640	4.4
## 180	13.0200	Ewallet	260.40	4.761905	13.0200	9.9
## 181	22.4910	Cash	449.82	4.761905	22.4910	5.7
## 182	15.3880	Cash	307.76	4.761905	15.3880	7.7
## 183	7.7500	Ewallet	155.00	4.761905	7.7500	8.0
## 184	13.7240	Ewallet	274.48	4.761905	13.7240	5.7
## 185	4.3190	Credit card	86.38	4.761905	4.3190	6.7
## 186	2.7120	Ewallet	54.24	4.761905	2.7120	8.0
## 187	37.7960	Ewallet	755.92	4.761905	37.7960	7.5
## 188	9.2940	Cash	185.88	4.761905	9.2940	7.0
## 189	3.7035	Ewallet	74.07	4.761905	3.7035	9.9
## 190	13.9620	Credit card	279.24	4.761905	13.9620	5.9
## 191	11.5560	Credit card	231.12	4.761905	11.5560	7.2
## 192	7.3520	Ewallet	147.04	4.761905	7.3520	4.6
## 193	39.5100	Cash	790.20	4.761905	39.5100	9.2
## 194	5.1100	Ewallet	102.20	4.761905	5.1100	5.7
## 195	8.1775	Credit card	163.55	4.761905	8.1775	9.9
## 196	3.7145	Cash	74.29	4.761905	3.7145	5.0
## 197	4.3700	Cash	87.40	4.761905	4.3700	4.9
## 198	1.2645	Ewallet	25.29	4.761905	1.2645	6.1
## 199	8.3000	Credit card	166.00	4.761905	8.3000	8.2
## 200	17.8475	Credit card	356.95	4.761905	17.8475	5.5
## 201	5.7450	Credit card	114.90	4.761905	5.7450	6.8
## 202	11.4980	Cash	229.96	4.761905	11.4980	6.6

## 203	21.4935	Cash	429.87	4.761905	21.4935	9.8
## 204	12.9500	Ewallet	259.00	4.761905	12.9500	8.7
## 205	4.4425	Credit card	88.85	4.761905	4.4425	5.4
## 206	10.3635	Ewallet	207.27	4.761905	10.3635	7.9
## 207	29.9925	Credit card	599.85	4.761905	29.9925	9.7
## 208	14.2650	Ewallet	285.30	4.761905	14.2650	7.8
## 209	4.5555	Ewallet	91.11	4.761905	4.5555	5.1
## 210	44.8785	Credit card	897.57	4.761905	44.8785	6.5
## 211	11.8035	Ewallet	236.07	4.761905	11.8035	5.9
## 212	41.9670	Cash	839.34	4.761905	41.9670	8.8
## 213	23.0900	Ewallet	461.80	4.761905	23.0900	4.9
## 214	6.9630	Credit card	139.26	4.761905	6.9630	4.4
## 215	10.3635	Cash	207.27	4.761905	10.3635	6.5
## 216	0.9140	Credit card	18.28	4.761905	0.9140	8.3
## 217	6.1925	Cash	123.85	4.761905	6.1925	8.5
## 218	14.1960	Cash	283.92	4.761905	14.1960	5.5
## 219	37.9480	Ewallet	758.96	4.761905	37.9480	8.7
## 220	8.6010	Credit card	172.02	4.761905	8.6010	7.9
## 221	13.6050	Ewallet	272.10	4.761905	13.6050	6.1
## 222	21.7280	Ewallet	434.56	4.761905	21.7280	5.4
## 223	2.9525	Cash	59.05	4.761905	2.9525	9.4
## 224	0.6270	Cash	12.54	4.761905	0.6270	8.2
## 225	4.3250	Cash	86.50	4.761905	4.3250	6.2
## 226	8.7160	Credit card	174.32	4.761905	8.7160	9.7
## 227	31.2165	Ewallet	624.33	4.761905	31.2165	4.0
## 228	7.4120	Ewallet	148.24	4.761905	7.4120	9.7
## 229	27.2100	Cash	544.20	4.761905	27.2100	5.3
## 230	25.3680	Ewallet	507.36	4.761905	25.3680	7.4
## 231	8.1370	Cash	162.74	4.761905	8.1370	6.5
## 232	1.5885	Credit card	31.77	4.761905	1.5885	8.7
## 233	37.8405	Cash	756.81	4.761905	37.8405	8.0
## 234	14.7640	Cash	295.28	4.761905	14.7640	6.7
## 235	25.9700	Ewallet	519.40	4.761905	25.9700	6.5
## 236	9.3140	Ewallet	186.28	4.761905	9.3140	4.1
## 237	4.3525	Credit card	87.05	4.761905	4.3525	4.9
## 238	11.0550	Credit card	221.10	4.761905	11.0550	8.6
## 239	3.3050	Cash	66.10	4.761905	3.3050	4.3
## 240	4.4845	Ewallet	89.69	4.761905	4.4845	4.9
## 241	11.2230	Credit card	224.46	4.761905	11.2230	5.6
## 242	5.9770	Credit card	119.54	4.761905	5.9770	5.8
## 243	9.3200	Credit card	186.40	4.761905	9.3200	6.0
## 244	12.5300	Cash	250.60	4.761905	12.5300	4.2
## 245	37.5480	Credit card	750.96	4.761905	37.5480	8.3
## 246	19.0360	Cash	380.72	4.761905	19.0360	5.7
## 247	12.2100	Cash	244.20	4.761905	12.2100	4.8
## 248	4.4850	Ewallet	89.70	4.761905	4.4850	6.8
## 249	15.5440	Credit card	310.88	4.761905	15.5440	8.8
## 250	25.5710	Credit card	511.42	4.761905	25.5710	4.2
## 251	20.9475	Ewallet	418.95	4.761905	20.9475	6.4
## 252	17.5950	Credit card	351.90	4.761905	17.5950	8.4
## 253	1.4390	Credit card	28.78	4.761905	1.4390	7.2
## 254	4.7500	Cash	95.00	4.761905	4.7500	5.2
## 255	23.5600	Cash	471.20	4.761905	23.5600	8.9
## 256	6.5240	Cash	130.48	4.761905	6.5240	9.0

## 257	3.3175	Credit card	66.35	4.761905	3.3175	9.7
## 258	7.7730	Ewallet	155.46	4.761905	7.7730	8.7
## 259	6.4500	Ewallet	129.00	4.761905	6.4500	6.5
## 260	13.1880	Credit card	263.76	4.761905	13.1880	6.9
## 261	33.7770	Ewallet	675.54	4.761905	33.7770	6.2
## 262	3.2900	Ewallet	65.80	4.761905	3.2900	5.6
## 263	7.6600	Cash	153.20	4.761905	7.6600	5.7
## 264	11.1200	Cash	222.40	4.761905	11.1200	4.2
## 265	2.7225	Ewallet	54.45	4.761905	2.7225	7.9
## 266	34.4400	Credit card	688.80	4.761905	34.4400	8.7
## 267	7.0940	Credit card	141.88	4.761905	7.0940	6.9
## 268	37.3000	Cash	746.00	4.761905	37.3000	9.5
## 269	14.1480	Credit card	282.96	4.761905	14.1480	4.4
## 270	17.7700	Ewallet	355.40	4.761905	17.7700	7.0
## 271	16.8575	Ewallet	337.15	4.761905	16.8575	6.3
## 272	2.1120	Cash	42.24	4.761905	2.1120	9.7
## 273	9.6930	Credit card	193.86	4.761905	9.6930	8.8
## 274	1.2030	Cash	24.06	4.761905	1.2030	5.1
## 275	29.9130	Ewallet	598.26	4.761905	29.9130	7.9
## 276	16.7895	Cash	335.79	4.761905	16.7895	6.2
## 277	10.9100	Cash	218.20	4.761905	10.9100	7.1
## 278	19.0840	Ewallet	381.68	4.761905	19.0840	6.4
## 279	35.4950	Cash	709.90	4.761905	35.4950	5.7
## 280	22.0100	Credit card	440.20	4.761905	22.0100	9.6
## 281	27.9840	Credit card	559.68	4.761905	27.9840	6.4
## 282	1.8500	Credit card	37.00	4.761905	1.8500	7.9
## 283	0.7670	Cash	15.34	4.761905	0.7670	6.5
## 284	29.9490	Ewallet	598.98	4.761905	29.9490	8.5
## 285	9.5340	Cash	190.68	4.761905	9.5340	9.1
## 286	16.6700	Cash	333.40	4.761905	16.6700	7.6
## 287	3.7430	Cash	74.86	4.761905	3.7430	6.9
## 288	10.6875	Cash	213.75	4.761905	10.6875	9.5
## 289	16.9785	Credit card	339.57	4.761905	16.9785	5.2
## 290	33.2080	Cash	664.16	4.761905	33.2080	4.2
## 291	20.1500	Credit card	403.00	4.761905	20.1500	7.0
## 292	9.7475	Ewallet	194.95	4.761905	9.7475	6.0
## 293	3.1240	Cash	62.48	4.761905	3.1240	4.7
## 294	3.6360	Cash	72.72	4.761905	3.6360	7.1
## 295	9.0550	Ewallet	181.10	4.761905	9.0550	5.9
## 296	12.9800	Cash	259.60	4.761905	12.9800	7.5
## 297	5.7680	Cash	115.36	4.761905	5.7680	6.4
## 298	23.5140	Ewallet	470.28	4.761905	23.5140	5.8
## 299	12.0020	Cash	240.04	4.761905	12.0020	4.5
## 300	4.4305	Cash	88.61	4.761905	4.4305	7.7
## 301	9.9820	Credit card	199.64	4.761905	9.9820	6.7
## 302	1.9505	Credit card	39.01	4.761905	1.9505	4.7
## 303	2.4305	Cash	48.61	4.761905	2.4305	4.4
## 304	10.2380	Credit card	204.76	4.761905	10.2380	4.7
## 305	5.9840	Cash	119.68	4.761905	5.9840	8.6
## 306	25.2700	Ewallet	505.40	4.761905	25.2700	4.3
## 307	14.0805	Cash	281.61	4.761905	14.0805	9.6
## 308	35.5160	Cash	710.32	4.761905	35.5160	4.1
## 309	3.9720	Ewallet	79.44	4.761905	3.9720	4.7
## 310	8.1910	Cash	163.82	4.761905	8.1910	7.8

## 311	23.9790	Cash	479.58	4.761905	23.9790	5.5
## 312	6.9330	Ewallet	138.66	4.761905	6.9330	9.7
## 313	3.5575	Credit card	71.15	4.761905	3.5575	4.4
## 314	6.9975	Cash	139.95	4.761905	6.9975	5.0
## 315	39.0650	Cash	781.30	4.761905	39.0650	4.4
## 316	9.9370	Cash	198.74	4.761905	9.9370	5.2
## 317	3.1620	Cash	63.24	4.761905	3.1620	7.3
## 318	18.6975	Cash	373.95	4.761905	18.6975	4.9
## 319	10.3845	Credit card	207.69	4.761905	10.3845	8.1
## 320	8.8140	Ewallet	176.28	4.761905	8.8140	8.4
## 321	10.3185	Cash	206.37	4.761905	10.3185	5.5
## 322	1.9710	Cash	39.42	4.761905	1.9710	8.4
## 323	4.5780	Ewallet	91.56	4.761905	4.5780	9.8
## 324	15.4425	Cash	308.85	4.761905	15.4425	6.7
## 325	6.4560	Credit card	129.12	4.761905	6.4560	9.4
## 326	19.5480	Ewallet	390.96	4.761905	19.5480	6.4
## 327	24.9450	Cash	498.90	4.761905	24.9450	5.4
## 328	18.8520	Cash	377.04	4.761905	18.8520	8.6
## 329	10.2260	Credit card	204.52	4.761905	10.2260	4.0
## 330	7.2720	Cash	145.44	4.761905	7.2720	7.6
## 331	9.9090	Cash	198.18	4.761905	9.9090	6.8
## 332	4.9350	Credit card	98.70	4.761905	4.9350	9.1
## 333	19.2550	Cash	385.10	4.761905	19.2550	5.5
## 334	2.3480	Credit card	46.96	4.761905	2.3480	7.9
## 335	3.6750	Ewallet	73.50	4.761905	3.6750	8.5
## 336	7.1125	Credit card	142.25	4.761905	7.1125	9.1
## 337	34.3800	Ewallet	687.60	4.761905	34.3800	7.5
## 338	17.3850	Cash	347.70	4.761905	17.3850	5.2
## 339	7.1475	Credit card	142.95	4.761905	7.1475	9.5
## 340	19.2690	Credit card	385.38	4.761905	19.2690	8.9
## 341	7.2135	Credit card	144.27	4.761905	7.2135	7.8
## 342	19.5895	Ewallet	391.79	4.761905	19.5895	8.9
## 343	26.9150	Cash	538.30	4.761905	26.9150	7.7
## 344	24.2575	Ewallet	485.15	4.761905	24.2575	9.3
## 345	6.6975	Cash	133.95	4.761905	6.6975	6.2
## 346	35.0685	Ewallet	701.37	4.761905	35.0685	7.6
## 347	3.5975	Cash	71.95	4.761905	3.5975	7.3
## 348	35.7000	Cash	714.00	4.761905	35.7000	4.7
## 349	9.1070	Cash	182.14	4.761905	9.1070	5.1
## 350	6.7500	Credit card	135.00	4.761905	6.7500	4.8
## 351	49.6500	Credit card	993.00	4.761905	49.6500	6.6
## 352	18.0915	Cash	361.83	4.761905	18.0915	5.5
## 353	19.1555	Credit card	383.11	4.761905	19.1555	8.5
## 354	12.1500	Cash	243.00	4.761905	12.1500	4.8
## 355	1.5120	Cash	30.24	4.761905	1.5120	8.4
## 356	17.8280	Credit card	356.56	4.761905	17.8280	7.8
## 357	18.7750	Credit card	375.50	4.761905	18.7750	9.3
## 358	47.7200	Cash	954.40	4.761905	47.7200	5.2
## 359	4.1250	Ewallet	82.50	4.761905	4.1250	6.5
## 360	3.7485	Cash	74.97	4.761905	3.7485	5.6
## 361	32.3840	Credit card	647.68	4.761905	32.3840	7.4
## 362	37.7880	Cash	755.76	4.761905	37.7880	9.1
## 363	9.9790	Ewallet	199.58	4.761905	9.9790	8.0
## 364	21.9660	Cash	439.32	4.761905	21.9660	7.2



## 365	8.2480	Cash	164.96	4.761905	8.2480	7.1
## 366	16.3360	Cash	326.72	4.761905	16.3360	9.1
## 367	23.0940	Cash	461.88	4.761905	23.0940	5.6
## 368	13.1880	Cash	263.76	4.761905	13.1880	6.0
## 369	7.1800	Cash	143.60	4.761905	7.1800	5.4
## 370	9.6750	Credit card	193.50	4.761905	9.6750	7.8
## 371	9.1910	Cash	183.82	4.761905	9.1910	9.9
## 372	6.0960	Credit card	121.92	4.761905	6.0960	4.9
## 373	21.0330	Ewallet	420.66	4.761905	21.0330	5.2
## 374	12.6240	Cash	252.48	4.761905	12.6240	8.9
## 375	16.7725	Credit card	335.45	4.761905	16.7725	9.1
## 376	24.1750	Ewallet	483.50	4.761905	24.1750	7.0
## 377	15.9210	Credit card	318.42	4.761905	15.9210	9.6
## 378	33.4215	Ewallet	668.43	4.761905	33.4215	8.7
## 379	19.3960	Ewallet	387.92	4.761905	19.3960	9.4
## 380	4.7300	Credit card	94.60	4.761905	4.7300	4.0
## 381	16.4660	Credit card	329.32	4.761905	16.4660	7.5
## 382	2.6610	Cash	53.22	4.761905	2.6610	4.2
## 383	24.9225	Cash	498.45	4.761905	24.9225	9.9
## 384	14.9780	Ewallet	299.56	4.761905	14.9780	4.2
## 385	10.2350	Ewallet	204.70	4.761905	10.2350	9.9
## 386	3.7910	Cash	75.82	4.761905	3.7910	5.8
## 387	14.0310	Cash	280.62	4.761905	14.0310	6.0
## 388	16.1600	Credit card	323.20	4.761905	16.1600	10.0
## 389	24.3315	Ewallet	486.63	4.761905	24.3315	9.5
## 390	6.3770	Credit card	127.54	4.761905	6.3770	6.6
## 391	12.0720	Cash	241.44	4.761905	12.0720	8.1
## 392	18.9750	Cash	379.50	4.761905	18.9750	9.7
## 393	3.8410	Ewallet	76.82	4.761905	3.8410	7.2
## 394	26.1300	Credit card	522.60	4.761905	26.1300	6.2
## 395	3.9870	Ewallet	79.74	4.761905	3.9870	7.3
## 396	19.3750	Ewallet	387.50	4.761905	19.3750	4.3
## 397	13.5675	Ewallet	271.35	4.761905	13.5675	4.6
## 398	6.1155	Cash	122.31	4.761905	6.1155	5.8
## 399	12.3180	Credit card	246.36	4.761905	12.3180	8.3
## 400	8.6580	Cash	173.16	4.761905	8.6580	8.0
## 401	11.8290	Credit card	236.58	4.761905	11.8290	9.4
## 402	9.2440	Credit card	184.88	4.761905	9.2440	6.2
## 403	0.6990	Ewallet	13.98	4.761905	0.6990	9.8
## 404	9.9375	Ewallet	198.75	4.761905	9.9375	9.6
## 405	34.2265	Ewallet	684.53	4.761905	34.2265	4.9
## 406	13.4520	Credit card	269.04	4.761905	13.4520	8.0
## 407	3.4475	Credit card	68.95	4.761905	3.4475	7.8
## 408	13.7420	Cash	274.84	4.761905	13.7420	4.1
## 409	11.3060	Ewallet	226.12	4.761905	11.3060	5.5
## 410	5.9550	Ewallet	119.10	4.761905	5.9550	5.4
## 411	17.1050	Cash	342.10	4.761905	17.1050	5.1
## 412	2.1870	Ewallet	43.74	4.761905	2.1870	6.9
## 413	5.2425	Cash	104.85	4.761905	5.2425	7.8
## 414	3.8760	Ewallet	77.52	4.761905	3.8760	6.6
## 415	20.3720	Ewallet	407.44	4.761905	20.3720	9.2
## 416	4.8055	Ewallet	96.11	4.761905	4.8055	7.8
## 417	9.0760	Credit card	181.52	4.761905	9.0760	8.7
## 418	4.0755	Ewallet	81.51	4.761905	4.0755	9.2

## 419	5.7220	Ewallet	114.44	4.761905	5.7220	8.3
## 420	8.8270	Cash	176.54	4.761905	8.8270	8.2
## 421	5.7900	Ewallet	115.80	4.761905	5.7900	7.5
## 422	12.6075	Cash	252.15	4.761905	12.6075	9.8
## 423	48.6050	Credit card	972.10	4.761905	48.6050	8.7
## 424	10.1680	Credit card	203.36	4.761905	10.1680	6.7
## 425	0.8140	Cash	16.28	4.761905	0.8140	5.0
## 426	18.2745	Cash	365.49	4.761905	18.2745	7.0
## 427	18.6095	Cash	372.19	4.761905	18.6095	8.9
## 428	3.1305	Credit card	62.61	4.761905	3.1305	8.0
## 429	16.8175	Cash	336.35	4.761905	16.8175	6.9
## 430	45.3250	Ewallet	906.50	4.761905	45.3250	7.3
## 431	6.9080	Credit card	138.16	4.761905	6.9080	6.9
## 432	4.3270	Ewallet	86.54	4.761905	4.3270	5.7
## 433	7.0380	Ewallet	140.76	4.761905	7.0380	6.4
## 434	33.4390	Credit card	668.78	4.761905	33.4390	9.6
## 435	2.3720	Credit card	47.44	4.761905	2.3720	6.8
## 436	44.6580	Ewallet	893.16	4.761905	44.6580	9.0
## 437	16.5860	Ewallet	331.72	4.761905	16.5860	9.6
## 438	10.1970	Credit card	203.94	4.761905	10.1970	7.7
## 439	3.4080	Ewallet	68.16	4.761905	3.4080	7.0
## 440	16.3440	Credit card	326.88	4.761905	16.3440	6.5
## 441	4.3600	Cash	87.20	4.761905	4.3600	8.1
## 442	35.3720	Credit card	707.44	4.761905	35.3720	4.3
## 443	40.1445	Credit card	802.89	4.761905	40.1445	6.5
## 444	0.6390	Ewallet	12.78	4.761905	0.6390	9.5
## 445	6.6850	Cash	133.70	4.761905	6.6850	9.7
## 446	0.9575	Credit card	19.15	4.761905	0.9575	9.5
## 447	13.8300	Credit card	276.60	4.761905	13.8300	8.9
## 448	6.8610	Credit card	137.22	4.761905	6.8610	6.5
## 449	1.3535	Credit card	27.07	4.761905	1.3535	5.3
## 450	1.9560	Credit card	39.12	4.761905	1.9560	9.6
## 451	22.4130	Cash	448.26	4.761905	22.4130	6.7
## 452	6.6030	Cash	132.06	4.761905	6.6030	7.6
## 453	15.9025	Ewallet	318.05	4.761905	15.9025	4.8
## 454	1.2500	Ewallet	25.00	4.761905	1.2500	5.5
## 455	4.1540	Cash	83.08	4.761905	4.1540	4.7
## 456	7.3900	Cash	147.80	4.761905	7.3900	6.9
## 457	34.8300	Credit card	696.60	4.761905	34.8300	4.5
## 458	39.6950	Cash	793.90	4.761905	39.6950	6.2
## 459	23.2850	Cash	465.70	4.761905	23.2850	7.6
## 460	1.7945	Credit card	35.89	4.761905	1.7945	7.9
## 461	10.1300	Cash	202.60	4.761905	10.1300	4.5
## 462	36.5250	Credit card	730.50	4.761905	36.5250	8.7
## 463	14.7900	Cash	295.80	4.761905	14.7900	6.1
## 464	1.1310	Cash	22.62	4.761905	1.1310	6.4
## 465	12.8350	Credit card	256.70	4.761905	12.8350	9.1
## 466	27.2750	Credit card	545.50	4.761905	27.2750	7.1
## 467	13.0025	Credit card	260.05	4.761905	13.0025	7.7
## 468	11.1060	Cash	222.12	4.761905	11.1060	4.5
## 469	1.0790	Ewallet	21.58	4.761905	1.0790	7.2
## 470	4.9420	Cash	98.84	4.761905	4.9420	8.4
## 471	25.1310	Ewallet	502.62	4.761905	25.1310	5.4
## 472	8.0100	Cash	160.20	4.761905	8.0100	9.7

## 473	21.5650	Credit card	431.30	4.761905	21.5650	5.5
## 474	29.0280	Cash	580.56	4.761905	29.0280	4.6
## 475	16.1100	Cash	322.20	4.761905	16.1100	6.6
## 476	9.7770	Credit card	195.54	4.761905	9.7770	6.3
## 477	8.3150	Credit card	166.30	4.761905	8.3150	4.2
## 478	16.8140	Ewallet	336.28	4.761905	16.8140	4.4
## 479	17.1850	Ewallet	343.70	4.761905	17.1850	6.7
## 480	1.9300	Ewallet	38.60	4.761905	1.9300	6.7
## 481	26.3880	Cash	527.76	4.761905	26.3880	8.4
## 482	16.4000	Cash	328.00	4.761905	16.4000	6.2
## 483	9.2850	Ewallet	185.70	4.761905	9.2850	5.0
## 484	30.1900	Cash	603.80	4.761905	30.1900	6.0
## 485	18.4900	Credit card	369.80	4.761905	18.4900	7.0
## 486	9.8980	Ewallet	197.96	4.761905	9.8980	6.6
## 487	20.5450	Cash	410.90	4.761905	20.5450	7.3
## 488	7.4300	Ewallet	148.60	4.761905	7.4300	8.3
## 489	1.1480	Cash	22.96	4.761905	1.1480	4.3
## 490	34.9560	Ewallet	699.12	4.761905	34.9560	9.8
## 491	3.4700	Ewallet	69.40	4.761905	3.4700	8.2
## 492	9.8300	Credit card	196.60	4.761905	9.8300	7.2
## 493	10.1280	Ewallet	202.56	4.761905	10.1280	8.7
## 494	6.0600	Credit card	121.20	4.761905	6.0600	8.4
## 495	9.9890	Ewallet	199.78	4.761905	9.9890	7.1
## 496	30.3680	Cash	607.36	4.761905	30.3680	5.5
## 497	6.3220	Cash	126.44	4.761905	6.3220	8.5
## 498	27.0720	Cash	541.44	4.761905	27.0720	6.2
## 499	4.9065	Cash	98.13	4.761905	4.9065	8.9
## 500	20.6080	Cash	412.16	4.761905	20.6080	9.6
## 501	3.6985	Credit card	73.97	4.761905	3.6985	5.4
## 502	1.5950	Ewallet	31.90	4.761905	1.5950	9.1
## 503	6.9400	Ewallet	138.80	4.761905	6.9400	9.0
## 504	9.3310	Cash	186.62	4.761905	9.3310	6.3
## 505	4.4225	Credit card	88.45	4.761905	4.4225	9.5
## 506	9.6720	Ewallet	193.44	4.761905	9.6720	9.8
## 507	7.2750	Cash	145.50	4.761905	7.2750	6.7
## 508	25.2150	Credit card	504.30	4.761905	25.2150	7.7
## 509	15.3225	Cash	306.45	4.761905	15.3225	7.0
## 510	4.7850	Credit card	95.70	4.761905	4.7850	5.1
## 511	31.7590	Credit card	635.18	4.761905	31.7590	6.2
## 512	10.7275	Ewallet	214.55	4.761905	10.7275	6.1
## 513	18.9980	Ewallet	379.96	4.761905	18.9980	9.3
## 514	34.8425	Cash	696.85	4.761905	34.8425	7.6
## 515	20.4365	Credit card	408.73	4.761905	20.4365	8.2
## 516	2.5735	Ewallet	51.47	4.761905	2.5735	8.5
## 517	13.7150	Ewallet	274.30	4.761905	13.7150	9.8
## 518	9.8475	Credit card	196.95	4.761905	9.8475	8.7
## 519	3.4730	Ewallet	69.46	4.761905	3.4730	9.7
## 520	17.9800	Credit card	359.60	4.761905	17.9800	4.3
## 521	6.8565	Credit card	137.13	4.761905	6.8565	7.7
## 522	24.9510	Cash	499.02	4.761905	24.9510	7.3
## 523	11.2320	Credit card	224.64	4.761905	11.2320	5.9
## 524	6.2870	Cash	125.74	4.761905	6.2870	5.0
## 525	24.5130	Credit card	490.26	4.761905	24.5130	8.0
## 526	22.8525	Ewallet	457.05	4.761905	22.8525	7.1

## 527	7.8420	Credit card	156.84	4.761905	7.8420	9.0
## 528	5.9860	Ewallet	119.72	4.761905	5.9860	6.7
## 529	27.1800	Credit card	543.60	4.761905	27.1800	6.1
## 530	44.1405	Cash	882.81	4.761905	44.1405	9.3
## 531	7.6290	Ewallet	152.58	4.761905	7.6290	7.0
## 532	34.6720	Credit card	693.44	4.761905	34.6720	7.2
## 533	11.4750	Ewallet	229.50	4.761905	11.4750	8.2
## 534	7.3395	Ewallet	146.79	4.761905	7.3395	8.4
## 535	7.0800	Ewallet	141.60	4.761905	7.0800	6.2
## 536	5.8345	Ewallet	116.69	4.761905	5.8345	7.4
## 537	3.6980	Credit card	73.96	4.761905	3.6980	5.0
## 538	4.8970	Ewallet	97.94	4.761905	4.8970	6.9
## 539	14.6100	Credit card	292.20	4.761905	14.6100	4.9
## 540	26.2440	Ewallet	524.88	4.761905	26.2440	5.1
## 541	4.6020	Ewallet	92.04	4.761905	4.6020	9.1
## 542	3.7940	Credit card	75.88	4.761905	3.7940	7.1
## 543	4.0360	Credit card	80.72	4.761905	4.0360	5.0
## 544	5.6310	Credit card	112.62	4.761905	5.6310	5.5
## 545	3.5600	Credit card	71.20	4.761905	3.5600	9.2
## 546	7.7620	Ewallet	155.24	4.761905	7.7620	4.9
## 547	14.7100	Ewallet	294.20	4.761905	14.7100	8.9
## 548	27.4275	Credit card	548.55	4.761905	27.4275	6.0
## 549	12.8850	Cash	257.70	4.761905	12.8850	4.2
## 550	19.8180	Cash	396.36	4.761905	19.8180	7.3
## 551	8.5905	Ewallet	171.81	4.761905	8.5905	6.5
## 552	24.4395	Cash	488.79	4.761905	24.4395	8.9
## 553	26.2080	Cash	524.16	4.761905	26.2080	9.7
## 554	6.6630	Credit card	133.26	4.761905	6.6630	8.6
## 555	6.7620	Cash	135.24	4.761905	6.7620	6.9
## 556	5.6220	Credit card	112.44	4.761905	5.6220	7.7
## 557	7.2040	Cash	144.08	4.761905	7.2040	9.5
## 558	49.2600	Ewallet	985.20	4.761905	49.2600	4.5
## 559	12.4980	Ewallet	249.96	4.761905	12.4980	5.6
## 560	10.8630	Ewallet	217.26	4.761905	10.8630	8.2
## 561	9.7110	Cash	194.22	4.761905	9.7110	7.3
## 562	44.6000	Credit card	892.00	4.761905	44.6000	4.4
## 563	16.9680	Ewallet	339.36	4.761905	16.9680	5.7
## 564	22.3530	Ewallet	447.06	4.761905	22.3530	5.0
## 565	9.9250	Cash	198.50	4.761905	9.9250	9.0
## 566	40.6050	Credit card	812.10	4.761905	40.6050	6.3
## 567	24.6650	Credit card	493.30	4.761905	24.6650	9.4
## 568	29.5830	Cash	591.66	4.761905	29.5830	7.7
## 569	27.9510	Credit card	559.02	4.761905	27.9510	5.5
## 570	25.8930	Ewallet	517.86	4.761905	25.8930	4.1
## 571	20.5100	Credit card	410.20	4.761905	20.5100	7.6
## 572	13.3350	Cash	266.70	4.761905	13.3350	8.6
## 573	3.5455	Ewallet	70.91	4.761905	3.5455	8.3
## 574	7.2390	Credit card	144.78	4.761905	7.2390	8.1
## 575	21.4775	Credit card	429.55	4.761905	21.4775	8.6
## 576	28.4585	Ewallet	569.17	4.761905	28.4585	6.3
## 577	12.0600	Cash	241.20	4.761905	12.0600	5.8
## 578	6.3540	Ewallet	127.08	4.761905	6.3540	6.2
## 579	12.8540	Cash	257.08	4.761905	12.8540	7.7
## 580	6.9510	Ewallet	139.02	4.761905	6.9510	8.1

## 581	4.0830	Cash	81.66	4.761905	4.0830	7.3
## 582	15.5360	Cash	310.72	4.761905	15.5360	8.4
## 583	9.2980	Credit card	185.96	4.761905	9.2980	8.0
## 584	3.6160	Credit card	72.32	4.761905	3.6160	9.5
## 585	9.4590	Ewallet	189.18	4.761905	9.4590	7.0
## 586	10.3420	Credit card	206.84	4.761905	10.3420	9.8
## 587	7.8510	Cash	157.02	4.761905	7.8510	9.2
## 588	10.7650	Ewallet	215.30	4.761905	10.7650	7.7
## 589	29.8050	Cash	596.10	4.761905	29.8050	5.3
## 590	3.6550	Cash	73.10	4.761905	3.6550	4.4
## 591	13.9590	Credit card	279.18	4.761905	13.9590	4.3
## 592	8.4840	Ewallet	169.68	4.761905	8.4840	9.4
## 593	2.2790	Cash	45.58	4.761905	2.2790	9.8
## 594	11.2800	Ewallet	225.60	4.761905	11.2800	4.8
## 595	14.5200	Cash	290.40	4.761905	14.5200	5.3
## 596	2.2230	Credit card	44.46	4.761905	2.2230	8.7
## 597	7.8300	Credit card	156.60	4.761905	7.8300	9.5
## 598	20.9970	Ewallet	419.94	4.761905	20.9970	5.3
## 599	9.2125	Cash	184.25	4.761905	9.2125	9.2
## 600	7.0320	Ewallet	140.64	4.761905	7.0320	9.6
## 601	4.1540	Ewallet	83.08	4.761905	4.1540	6.4
## 602	3.2495	Credit card	64.99	4.761905	3.2495	4.5
## 603	38.7800	Ewallet	775.60	4.761905	38.7800	6.9
## 604	16.3530	Ewallet	327.06	4.761905	16.3530	7.8
## 605	18.1615	Cash	363.23	4.761905	18.1615	4.5
## 606	6.3500	Cash	127.00	4.761905	6.3500	8.6
## 607	18.7775	Ewallet	375.55	4.761905	18.7775	5.2
## 608	9.9580	Credit card	199.16	4.761905	9.9580	6.4
## 609	1.5305	Ewallet	30.61	4.761905	1.5305	5.2
## 610	5.7890	Ewallet	115.78	4.761905	5.7890	8.9
## 611	1.4480	Credit card	28.96	4.761905	1.4480	6.2
## 612	44.5365	Cash	890.73	4.761905	44.5365	6.7
## 613	13.9830	Cash	279.66	4.761905	13.9830	7.2
## 614	4.0465	Credit card	80.93	4.761905	4.0465	9.0
## 615	33.7250	Ewallet	674.50	4.761905	33.7250	4.2
## 616	17.4240	Ewallet	348.48	4.761905	17.4240	4.2
## 617	21.7800	Cash	435.60	4.761905	21.7800	6.9
## 618	21.9775	Ewallet	439.55	4.761905	21.9775	4.4
## 619	29.5590	Credit card	591.18	4.761905	29.5590	4.0
## 620	13.0380	Ewallet	260.76	4.761905	13.0380	8.5
## 621	10.7520	Credit card	215.04	4.761905	10.7520	9.2
## 622	4.5805	Cash	91.61	4.761905	4.5805	9.8
## 623	33.1065	Credit card	662.13	4.761905	33.1065	4.9
## 624	41.6250	Credit card	832.50	4.761905	41.6250	4.4
## 625	4.5675	Cash	91.35	4.761905	4.5675	6.8
## 626	7.8880	Cash	157.76	4.761905	7.8880	9.1
## 627	6.0870	Ewallet	121.74	4.761905	6.0870	8.7
## 628	41.2900	Cash	825.80	4.761905	41.2900	5.0
## 629	7.9950	Ewallet	159.90	4.761905	7.9950	7.5
## 630	0.6045	Credit card	12.09	4.761905	0.6045	8.2
## 631	32.0950	Credit card	641.90	4.761905	32.0950	6.7
## 632	11.7465	Ewallet	234.93	4.761905	11.7465	5.4
## 633	8.3770	Credit card	167.54	4.761905	8.3770	7.0
## 634	14.9550	Ewallet	299.10	4.761905	14.9550	4.7

## 635	11.9865	Credit card	239.73	4.761905	11.9865	5.0
## 636	33.2350	Credit card	664.70	4.761905	33.2350	5.0
## 637	10.1325	Credit card	202.65	4.761905	10.1325	6.0
## 638	2.3100	Cash	46.20	4.761905	2.3100	6.3
## 639	4.4075	Cash	88.15	4.761905	4.4075	8.5
## 640	7.8630	Ewallet	157.26	4.761905	7.8630	7.5
## 641	14.8185	Ewallet	296.37	4.761905	14.8185	6.4
## 642	35.4200	Ewallet	708.40	4.761905	35.4200	4.7
## 643	5.5670	Ewallet	111.34	4.761905	5.5670	6.0
## 644	29.0080	Credit card	580.16	4.761905	29.0080	4.0
## 645	3.0125	Ewallet	60.25	4.761905	3.0125	5.5
## 646	8.7120	Ewallet	174.24	4.761905	8.7120	8.7
## 647	21.0630	Cash	421.26	4.761905	21.0630	7.4
## 648	1.6815	Cash	33.63	4.761905	1.6815	5.6
## 649	1.5490	Cash	30.98	4.761905	1.5490	6.3
## 650	12.3700	Cash	247.40	4.761905	12.3700	7.1
## 651	18.9150	Ewallet	378.30	4.761905	18.9150	7.8
## 652	16.7430	Cash	334.86	4.761905	16.7430	9.9
## 653	36.3900	Cash	727.80	4.761905	36.3900	7.3
## 654	16.7940	Ewallet	335.88	4.761905	16.7940	5.1
## 655	12.0360	Credit card	240.72	4.761905	12.0360	9.4
## 656	2.3535	Credit card	47.07	4.761905	2.3535	5.8
## 657	4.9845	Credit card	99.69	4.761905	4.9845	8.0
## 658	13.2225	Ewallet	264.45	4.761905	13.2225	7.9
## 659	6.9825	Cash	139.65	4.761905	6.9825	5.9
## 660	2.7725	Credit card	55.45	4.761905	2.7725	4.9
## 661	6.4455	Cash	128.91	4.761905	6.4455	9.3
## 662	5.9990	Credit card	119.98	4.761905	5.9990	7.9
## 663	17.6250	Credit card	352.50	4.761905	17.6250	5.9
## 664	43.5500	Credit card	871.00	4.761905	43.5500	9.9
## 665	9.8800	Cash	197.60	4.761905	9.8800	7.7
## 666	9.7260	Ewallet	194.52	4.761905	9.7260	7.6
## 667	8.6610	Ewallet	173.22	4.761905	8.6610	7.7
## 668	3.5940	Ewallet	71.88	4.761905	3.5940	6.4
## 669	14.3130	Ewallet	286.26	4.761905	14.3130	4.4
## 670	4.0620	Credit card	81.24	4.761905	4.0620	4.1
## 671	28.0200	Ewallet	560.40	4.761905	28.0200	4.4
## 672	9.3400	Cash	186.80	4.761905	9.3400	5.5
## 673	11.0115	Ewallet	220.23	4.761905	11.0115	4.0
## 674	13.4560	Credit card	269.12	4.761905	13.4560	9.3
## 675	22.7400	Credit card	454.80	4.761905	22.7400	4.8
## 676	8.3770	Cash	167.54	4.761905	8.3770	4.6
## 677	22.4280	Credit card	448.56	4.761905	22.4280	7.3
## 678	14.6940	Cash	293.88	4.761905	14.6940	6.0
## 679	29.4750	Ewallet	589.50	4.761905	29.4750	8.1
## 680	14.5500	Ewallet	291.00	4.761905	14.5500	9.4
## 681	1.9740	Cash	39.48	4.761905	1.9740	6.5
## 682	1.7405	Credit card	34.81	4.761905	1.7405	7.0
## 683	14.7960	Ewallet	295.92	4.761905	14.7960	7.1
## 684	2.1480	Ewallet	42.96	4.761905	2.1480	6.6
## 685	6.9240	Ewallet	138.48	4.761905	6.9240	4.9
## 686	4.9100	Credit card	98.20	4.761905	4.9100	6.4
## 687	6.4830	Credit card	129.66	4.761905	6.4830	8.0
## 688	31.7800	Cash	635.60	4.761905	31.7800	4.3

## 689	7.2880	Cash	145.76	4.761905	7.2880	6.1
## 690	10.0650	Cash	201.30	4.761905	10.0650	7.5
## 691	31.5855	Cash	631.71	4.761905	31.5855	6.7
## 692	19.2640	Ewallet	385.28	4.761905	19.2640	5.2
## 693	24.3150	Cash	486.30	4.761905	24.3150	8.8
## 694	25.6830	Cash	513.66	4.761905	25.6830	9.5
## 695	23.6700	Cash	473.40	4.761905	23.6700	7.6
## 696	21.8425	Cash	436.85	4.761905	21.8425	6.6
## 697	5.4080	Ewallet	108.16	4.761905	5.4080	6.9
## 698	12.4380	Ewallet	248.76	4.761905	12.4380	4.3
## 699	31.3110	Credit card	626.22	4.761905	31.3110	7.8
## 700	48.7500	Ewallet	975.00	4.761905	48.7500	8.0
## 701	24.1640	Ewallet	483.28	4.761905	24.1640	9.6
## 702	4.8480	Credit card	96.96	4.761905	4.8480	4.3
## 703	9.8850	Credit card	197.70	4.761905	9.8850	5.0
## 704	36.2115	Cash	724.23	4.761905	36.2115	9.2
## 705	39.7755	Cash	795.51	4.761905	39.7755	6.3
## 706	25.1195	Cash	502.39	4.761905	25.1195	8.9
## 707	8.6000	Ewallet	172.00	4.761905	8.6000	7.6
## 708	3.4490	Cash	68.98	4.761905	3.4490	4.8
## 709	6.2480	Ewallet	124.96	4.761905	6.2480	9.1
## 710	3.8550	Ewallet	77.10	4.761905	3.8550	6.1
## 711	24.1860	Cash	483.72	4.761905	24.1860	9.1
## 712	15.1060	Ewallet	302.12	4.761905	15.1060	8.3
## 713	34.9335	Ewallet	698.67	4.761905	34.9335	7.2
## 714	6.2325	Ewallet	124.65	4.761905	6.2325	6.0
## 715	39.4800	Ewallet	789.60	4.761905	39.4800	8.5
## 716	8.9200	Credit card	178.40	4.761905	8.9200	6.6
## 717	25.0110	Ewallet	500.22	4.761905	25.0110	4.5
## 718	1.7910	Credit card	35.82	4.761905	1.7910	8.1
## 719	6.8070	Credit card	136.14	4.761905	6.8070	7.2
## 720	5.2440	Credit card	104.88	4.761905	5.2440	6.1
## 721	8.9460	Cash	178.92	4.761905	8.9460	7.1
## 722	40.7835	Cash	815.67	4.761905	40.7835	5.1
## 723	6.6180	Credit card	132.36	4.761905	6.6180	7.9
## 724	12.8695	Cash	257.39	4.761905	12.8695	7.4
## 725	4.6680	Ewallet	93.36	4.761905	4.6680	7.4
## 726	11.4000	Cash	228.00	4.761905	11.4000	6.6
## 727	8.3355	Credit card	166.71	4.761905	8.3355	5.9
## 728	34.8700	Credit card	697.40	4.761905	34.8700	8.9
## 729	19.4520	Ewallet	389.04	4.761905	19.4520	6.8
## 730	18.2630	Cash	365.26	4.761905	18.2630	9.3
## 731	4.4640	Credit card	89.28	4.761905	4.4640	4.4
## 732	8.4000	Ewallet	168.00	4.761905	8.4000	4.8
## 733	0.9850	Ewallet	19.70	4.761905	0.9850	9.5
## 734	26.5580	Ewallet	531.16	4.761905	26.5580	8.9
## 735	2.6860	Ewallet	53.72	4.761905	2.6860	6.4
## 736	40.9750	Credit card	819.50	4.761905	40.9750	6.0
## 737	28.4200	Credit card	568.40	4.761905	28.4200	8.1
## 738	29.3800	Ewallet	587.60	4.761905	29.3800	9.0
## 739	36.6240	Ewallet	732.48	4.761905	36.6240	6.0
## 740	42.2820	Cash	845.64	4.761905	42.2820	9.8
## 741	19.4635	Cash	389.27	4.761905	19.4635	8.5
## 742	4.2415	Ewallet	84.83	4.761905	4.2415	8.8

## 743	7.1630	Ewallet	143.26	4.761905	7.1630	8.8
## 744	3.7690	Ewallet	75.38	4.761905	3.7690	9.5
## 745	12.6680	Credit card	253.36	4.761905	12.6680	5.6
## 746	1.9210	Cash	38.42	4.761905	1.9210	8.6
## 747	32.6150	Credit card	652.30	4.761905	32.6150	5.2
## 748	2.6325	Credit card	52.65	4.761905	2.6325	5.8
## 749	5.5305	Credit card	110.61	4.761905	5.5305	8.0
## 750	28.4305	Cash	568.61	4.761905	28.4305	9.0
## 751	4.4640	Ewallet	89.28	4.761905	4.4640	4.1
## 752	6.8200	Credit card	136.40	4.761905	6.8200	8.6
## 753	8.7100	Ewallet	174.20	4.761905	8.7100	7.0
## 754	18.3200	Ewallet	366.40	4.761905	18.3200	8.4
## 755	12.7305	Ewallet	254.61	4.761905	12.7305	7.4
## 756	38.9160	Credit card	778.32	4.761905	38.9160	6.2
## 757	14.2960	Ewallet	285.92	4.761905	14.2960	4.9
## 758	28.9560	Cash	579.12	4.761905	28.9560	4.5
## 759	9.4250	Ewallet	188.50	4.761905	9.4250	5.6
## 760	11.0780	Ewallet	221.56	4.761905	11.0780	8.0
## 761	38.6000	Credit card	772.00	4.761905	38.6000	5.6
## 762	36.0650	Credit card	721.30	4.761905	36.0650	4.2
## 763	25.5520	Ewallet	511.04	4.761905	25.5520	9.9
## 764	2.6725	Ewallet	53.45	4.761905	2.6725	7.6
## 765	11.1000	Credit card	222.00	4.761905	11.1000	6.6
## 766	38.1840	Ewallet	763.68	4.761905	38.1840	4.7
## 767	11.4090	Credit card	228.18	4.761905	11.4090	9.8
## 768	4.1070	Cash	82.14	4.761905	4.1070	6.3
## 769	19.1280	Cash	382.56	4.761905	19.1280	7.9
## 770	3.4290	Cash	68.58	4.761905	3.4290	7.7
## 771	19.1080	Ewallet	382.16	4.761905	19.1080	4.5
## 772	30.0545	Credit card	601.09	4.761905	30.0545	8.0
## 773	23.7965	Ewallet	475.93	4.761905	23.7965	5.7
## 774	2.6210	Credit card	52.42	4.761905	2.6210	6.3
## 775	6.5650	Cash	131.30	4.761905	6.5650	6.0
## 776	7.2150	Credit card	144.30	4.761905	7.2150	8.0
## 777	22.8585	Credit card	457.17	4.761905	22.8585	4.2
## 778	4.6690	Cash	93.38	4.761905	4.6690	9.6
## 779	6.3125	Cash	126.25	4.761905	6.3125	6.1
## 780	39.5415	Ewallet	790.83	4.761905	39.5415	5.6
## 781	8.7200	Cash	174.40	4.761905	8.7200	8.3
## 782	18.9520	Ewallet	379.04	4.761905	18.9520	7.8
## 783	1.5310	Credit card	30.62	4.761905	1.5310	4.1
## 784	17.6040	Cash	352.08	4.761905	17.6040	8.8
## 785	2.5400	Ewallet	50.80	4.761905	2.5400	4.1
## 786	26.1030	Credit card	522.06	4.761905	26.1030	9.0
## 787	28.7560	Ewallet	575.12	4.761905	28.7560	5.5
## 788	2.7475	Credit card	54.95	4.761905	2.7475	9.3
## 789	9.0705	Credit card	181.41	4.761905	9.0705	5.6
## 790	20.6185	Ewallet	412.37	4.761905	20.6185	9.7
## 791	2.3205	Credit card	46.41	4.761905	2.3205	4.0
## 792	13.7100	Credit card	274.20	4.761905	13.7100	9.2
## 793	48.6850	Credit card	973.70	4.761905	48.6850	4.9
## 794	32.4100	Credit card	648.20	4.761905	32.4100	9.3
## 795	4.6610	Credit card	93.22	4.761905	4.6610	6.6
## 796	2.7180	Ewallet	54.36	4.761905	2.7180	4.3



## 797	3.0435	Cash	60.87	4.761905	3.0435	5.5
## 798	12.2450	Cash	244.90	4.761905	12.2450	8.1
## 799	4.6390	Credit card	92.78	4.761905	4.6390	9.8
## 800	21.6725	Ewallet	433.45	4.761905	21.6725	9.4
## 801	6.9030	Ewallet	138.06	4.761905	6.9030	7.9
## 802	12.0800	Ewallet	241.60	4.761905	12.0800	5.1
## 803	23.5865	Ewallet	471.73	4.761905	23.5865	6.9
## 804	22.0320	Cash	440.64	4.761905	22.0320	8.0
## 805	34.0155	Cash	680.31	4.761905	34.0155	8.0
## 806	15.4940	Cash	309.88	4.761905	15.4940	4.2
## 807	9.3180	Credit card	186.36	4.761905	9.3180	8.5
## 808	10.0460	Cash	200.92	4.761905	10.0460	9.0
## 809	0.8875	Cash	17.75	4.761905	0.8875	8.6
## 810	31.0900	Ewallet	621.80	4.761905	31.0900	6.0
## 811	4.3000	Ewallet	86.00	4.761905	4.3000	6.2
## 812	20.1300	Credit card	402.60	4.761905	20.1300	5.0
## 813	16.2425	Credit card	324.85	4.761905	16.2425	6.5
## 814	4.7575	Cash	95.15	4.761905	4.7575	6.0
## 815	19.4480	Cash	388.96	4.761905	19.4480	5.0
## 816	21.2840	Ewallet	425.68	4.761905	21.2840	5.0
## 817	15.9040	Cash	318.08	4.761905	15.9040	9.2
## 818	13.5520	Ewallet	271.04	4.761905	13.5520	9.6
## 819	19.2320	Credit card	384.64	4.761905	19.2320	8.4
## 820	11.7900	Credit card	235.80	4.761905	11.7900	6.0
## 821	10.5780	Ewallet	211.56	4.761905	10.5780	6.7
## 822	4.7680	Credit card	95.36	4.761905	4.7680	4.1
## 823	0.5085	Cash	10.17	4.761905	0.5085	5.9
## 824	10.3065	Cash	206.13	4.761905	10.3065	8.7
## 825	21.0280	Credit card	420.56	4.761905	21.0280	4.5
## 826	4.4020	Credit card	88.04	4.761905	4.4020	6.6
## 827	32.4495	Credit card	648.99	4.761905	32.4495	7.7
## 828	6.1920	Credit card	123.84	4.761905	6.1920	8.5
## 829	32.4750	Cash	649.50	4.761905	32.4750	5.2
## 830	37.1100	Credit card	742.20	4.761905	37.1100	4.3
## 831	4.2240	Cash	84.48	4.761905	4.2240	7.6
## 832	12.5140	Cash	250.28	4.761905	12.5140	9.5
## 833	4.7400	Cash	94.80	4.761905	4.7400	4.1
## 834	4.5650	Ewallet	91.30	4.761905	4.5650	9.2
## 835	14.2555	Ewallet	285.11	4.761905	14.2555	5.4
## 836	2.6190	Cash	52.38	4.761905	2.6190	5.8
## 837	9.6350	Ewallet	192.70	4.761905	9.6350	5.6
## 838	13.3890	Credit card	267.78	4.761905	13.3890	5.1
## 839	27.9350	Cash	558.70	4.761905	27.9350	5.8
## 840	8.7660	Ewallet	175.32	4.761905	8.7660	5.0
## 841	7.7910	Cash	155.82	4.761905	7.7910	7.9
## 842	3.0150	Cash	60.30	4.761905	3.0150	6.0
## 843	3.9470	Credit card	78.94	4.761905	3.9470	5.0
## 844	1.4870	Credit card	29.74	4.761905	1.4870	8.9
## 845	1.0660	Cash	21.32	4.761905	1.0660	5.9
## 846	14.0670	Credit card	281.34	4.761905	14.0670	5.9
## 847	3.6630	Ewallet	73.26	4.761905	3.6630	9.7
## 848	1.1190	Credit card	22.38	4.761905	1.1190	8.6
## 849	32.7960	Cash	655.92	4.761905	32.7960	4.0
## 850	29.7300	Cash	594.60	4.761905	29.7300	4.2

## 851	3.7050	Cash	74.10	4.761905	3.7050	9.2
## 852	9.8480	Ewallet	196.96	4.761905	9.8480	9.2
## 853	18.6165	Ewallet	372.33	4.761905	18.6165	5.0
## 854	26.3950	Ewallet	527.90	4.761905	26.3950	10.0
## 855	23.9875	Ewallet	479.75	4.761905	23.9875	8.8
## 856	16.4295	Cash	328.59	4.761905	16.4295	4.2
## 857	8.4480	Cash	168.96	4.761905	8.4480	6.3
## 858	5.6620	Cash	113.24	4.761905	5.6620	8.2
## 859	17.2770	Cash	345.54	4.761905	17.2770	5.1
## 860	21.4335	Cash	428.67	4.761905	21.4335	5.0
## 861	4.3135	Ewallet	86.27	4.761905	4.3135	7.0
## 862	1.2760	Ewallet	25.52	4.761905	1.2760	7.8
## 863	5.0760	Credit card	101.52	4.761905	5.0760	4.3
## 864	17.8745	Cash	357.49	4.761905	17.8745	7.0
## 865	11.9385	Cash	238.77	4.761905	11.9385	6.6
## 866	5.0715	Ewallet	101.43	4.761905	5.0715	7.3
## 867	36.2120	Credit card	724.24	4.761905	36.2120	6.5
## 868	6.2820	Ewallet	125.64	4.761905	6.2820	4.9
## 869	3.6465	Credit card	72.93	4.761905	3.6465	4.3
## 870	12.9180	Ewallet	258.36	4.761905	12.9180	9.3
## 871	8.6870	Credit card	173.74	4.761905	8.6870	7.1
## 872	2.8250	Ewallet	56.50	4.761905	2.8250	9.6
## 873	10.7150	Cash	214.30	4.761905	10.7150	6.2
## 874	26.7180	Cash	534.36	4.761905	26.7180	9.9
## 875	4.6580	Credit card	93.16	4.761905	4.6580	5.9
## 876	26.1040	Ewallet	522.08	4.761905	26.1040	6.3
## 877	2.6175	Cash	52.35	4.761905	2.6175	4.0
## 878	1.9875	Cash	39.75	4.761905	1.9875	6.1
## 879	36.0080	Credit card	720.16	4.761905	36.0080	4.5
## 880	4.8400	Ewallet	96.80	4.761905	4.8400	8.6
## 881	16.6050	Ewallet	332.10	4.761905	16.6050	6.0
## 882	4.0720	Credit card	81.44	4.761905	4.0720	9.5
## 883	15.9950	Credit card	319.90	4.761905	15.9950	9.9
## 884	10.3260	Ewallet	206.52	4.761905	10.3260	7.5
## 885	8.3340	Cash	166.68	4.761905	8.3340	7.6
## 886	15.9530	Cash	319.06	4.761905	15.9530	5.0
## 887	4.3950	Ewallet	87.90	4.761905	4.3950	6.7
## 888	36.7350	Ewallet	734.70	4.761905	36.7350	9.5
## 889	4.8760	Ewallet	97.52	4.761905	4.8760	6.8
## 890	38.4600	Ewallet	769.20	4.761905	38.4600	5.6
## 891	20.9150	Cash	418.30	4.761905	20.9150	7.2
## 892	23.1640	Cash	463.28	4.761905	23.1640	8.1
## 893	23.1225	Credit card	462.45	4.761905	23.1225	8.6
## 894	7.0950	Cash	141.90	4.761905	7.0950	9.4
## 895	15.1350	Credit card	302.70	4.761905	15.1350	8.9
## 896	39.6640	Credit card	793.28	4.761905	39.6640	4.2
## 897	21.2590	Ewallet	425.18	4.761905	21.2590	5.0
## 898	14.1810	Cash	283.62	4.761905	14.1810	8.8
## 899	29.9600	Cash	599.20	4.761905	29.9600	5.3
## 900	15.7680	Ewallet	315.36	4.761905	15.7680	4.6
## 901	20.1780	Credit card	403.56	4.761905	20.1780	7.5
## 902	9.1940	Ewallet	183.88	4.761905	9.1940	5.1
## 903	6.9325	Credit card	138.65	4.761905	6.9325	4.2
## 904	4.0355	Cash	80.71	4.761905	4.0355	8.1

## 905	5.8320	Ewallet	116.64	4.761905	5.8320	6.0
## 906	15.6760	Cash	313.52	4.761905	15.6760	7.9
## 907	42.3050	Credit card	846.10	4.761905	42.3050	8.8
## 908	20.7200	Credit card	414.40	4.761905	20.7200	6.6
## 909	7.9540	Ewallet	159.08	4.761905	7.9540	6.2
## 910	24.5050	Credit card	490.10	4.761905	24.5050	4.2
## 911	4.3725	Credit card	87.45	4.761905	4.3725	7.3
## 912	11.2260	Ewallet	224.52	4.761905	11.2260	8.6
## 913	37.2480	Cash	744.96	4.761905	37.2480	6.8
## 914	20.5360	Ewallet	410.72	4.761905	20.5360	7.6
## 915	14.9400	Cash	298.80	4.761905	14.9400	5.8
## 916	10.6470	Cash	212.94	4.761905	10.6470	4.1
## 917	2.1425	Credit card	42.85	4.761905	2.1425	9.3
## 918	18.9340	Cash	378.68	4.761905	18.9340	6.8
## 919	10.3455	Ewallet	206.91	4.761905	10.3455	8.7
## 920	3.9390	Ewallet	78.78	4.761905	3.9390	6.3
## 921	16.1055	Credit card	322.11	4.761905	16.1055	5.1
## 922	4.9110	Cash	98.22	4.761905	4.9110	7.0
## 923	1.2730	Credit card	25.46	4.761905	1.2730	5.2
## 924	29.0990	Credit card	581.98	4.761905	29.0990	6.6
## 925	10.5660	Ewallet	211.32	4.761905	10.5660	6.5
## 926	2.7560	Ewallet	55.12	4.761905	2.7560	9.0
## 927	4.4155	Credit card	88.31	4.761905	4.4155	5.2
## 928	17.8290	Credit card	356.58	4.761905	17.8290	6.8
## 929	39.7125	Credit card	794.25	4.761905	39.7125	7.6
## 930	2.5310	Ewallet	50.62	4.761905	2.5310	7.2
## 931	29.9760	Ewallet	599.52	4.761905	29.9760	7.1
## 932	8.3350	Credit card	166.70	4.761905	8.3350	9.5
## 933	37.2200	Ewallet	744.40	4.761905	37.2200	5.1
## 934	22.4280	Ewallet	448.56	4.761905	22.4280	7.6
## 935	18.9450	Ewallet	378.90	4.761905	18.9450	9.8
## 936	12.8580	Ewallet	257.16	4.761905	12.8580	5.1
## 937	27.6115	Ewallet	552.23	4.761905	27.6115	7.5
## 938	22.3700	Cash	447.40	4.761905	22.3700	7.4
## 939	13.8135	Cash	276.27	4.761905	13.8135	4.2
## 940	17.1870	Ewallet	343.74	4.761905	17.1870	5.9
## 941	13.3040	Ewallet	266.08	4.761905	13.3040	6.9
## 942	44.9190	Cash	898.38	4.761905	44.9190	6.6
## 943	22.8400	Ewallet	456.80	4.761905	22.8400	5.7
## 944	12.6975	Credit card	253.95	4.761905	12.6975	5.3
## 945	3.5280	Cash	70.56	4.761905	3.5280	4.2
## 946	32.8580	Credit card	657.16	4.761905	32.8580	7.3
## 947	8.4250	Credit card	168.50	4.761905	8.4250	5.3
## 948	2.6890	Ewallet	53.78	4.761905	2.6890	4.7
## 949	8.9525	Ewallet	179.05	4.761905	8.9525	7.9
## 950	10.5720	Ewallet	211.44	4.761905	10.5720	8.9
## 951	5.9865	Ewallet	119.73	4.761905	5.9865	9.3
## 952	3.2850	Ewallet	65.70	4.761905	3.2850	4.7
## 953	12.5700	Ewallet	251.40	4.761905	12.5700	8.7
## 954	4.2080	Cash	84.16	4.761905	4.2080	7.6
## 955	19.7730	Cash	395.46	4.761905	19.7730	5.7
## 956	14.8995	Cash	297.99	4.761905	14.8995	6.8
## 957	22.7205	Cash	454.41	4.761905	22.7205	5.4
## 958	13.8060	Cash	276.12	4.761905	13.8060	7.1

## 959	7.9000	Cash	158.00	4.761905	7.9000	7.8
## 960	44.3970	Cash	887.94	4.761905	44.3970	8.4
## 961	4.5990	Cash	91.98	4.761905	4.5990	9.8
## 962	2.0890	Cash	41.78	4.761905	2.0890	9.8
## 963	0.7750	Credit card	15.50	4.761905	0.7750	7.4
## 964	14.5230	Cash	290.46	4.761905	14.5230	6.7
## 965	3.3330	Credit card	66.66	4.761905	3.3330	6.4
## 966	3.8270	Credit card	76.54	4.761905	3.8270	5.8
## 967	14.9850	Ewallet	299.70	4.761905	14.9850	7.2
## 968	12.1515	Credit card	243.03	4.761905	12.1515	9.3
## 969	2.3700	Cash	47.40	4.761905	2.3700	9.5
## 970	8.6225	Credit card	172.45	4.761905	8.6225	9.0
## 971	42.3150	Credit card	846.30	4.761905	42.3150	9.0
## 972	12.9185	Ewallet	258.37	4.761905	12.9185	6.7
## 973	30.4780	Cash	609.56	4.761905	30.4780	5.5
## 974	12.0120	Cash	240.24	4.761905	12.0120	5.4
## 975	8.6130	Cash	172.26	4.761905	8.6130	8.2
## 976	4.9920	Credit card	99.84	4.761905	4.9920	7.0
## 977	14.9320	Cash	298.64	4.761905	14.9320	8.5
## 978	7.9800	Ewallet	159.60	4.761905	7.9800	4.9
## 979	1.2725	Credit card	25.45	4.761905	1.2725	5.1
## 980	3.3885	Credit card	67.77	4.761905	3.3885	6.5
## 981	11.9180	Cash	238.36	4.761905	11.9180	9.8
## 982	11.6300	Cash	232.60	4.761905	11.6300	8.4
## 983	43.8660	Ewallet	877.32	4.761905	43.8660	7.4
## 984	34.9860	Cash	699.72	4.761905	34.9860	6.1
## 985	33.7295	Cash	674.59	4.761905	33.7295	6.0
## 986	15.9275	Ewallet	318.55	4.761905	15.9275	8.5
## 987	1.4760	Ewallet	29.52	4.761905	1.4760	4.3
## 988	24.8000	Credit card	496.00	4.761905	24.8000	6.2
## 989	41.1700	Ewallet	823.40	4.761905	41.1700	4.3
## 990	30.1480	Credit card	602.96	4.761905	30.1480	8.4
## 991	14.1400	Credit card	282.80	4.761905	14.1400	4.5
## 992	38.3000	Ewallet	766.00	4.761905	38.3000	6.0
## 993	5.8030	Ewallet	116.06	4.761905	5.8030	8.8
## 994	8.7450	Ewallet	174.90	4.761905	8.7450	6.6
## 995	3.0475	Ewallet	60.95	4.761905	3.0475	5.9
## 996	2.0175	Ewallet	40.35	4.761905	2.0175	6.2
## 997	48.6900	Ewallet	973.80	4.761905	48.6900	4.4
## 998	1.5920	Cash	31.84	4.761905	1.5920	7.7
## 999	3.2910	Cash	65.82	4.761905	3.2910	4.1
## 1000	30.9190	Cash	618.38	4.761905	30.9190	6.6

```
# Changing categorical columns to numerical
#
carrefou$Branch <- as.numeric(factor(carrefou$Branch))
carrefou$'Customer type' <- as.numeric(factor(carrefou$'Customer type'))
carrefou$Gender <- as.numeric(factor(carrefou$Gender))
carrefou$'Product line' <- as.numeric(factor(carrefou$'Product line'))
carrefou$Payment <- as.numeric(factor(carrefou$Payment))
carrefou
```

##	Branch	Customer type	Gender	Product line	Unit price	Quantity	Tax
## 1	1	1	1	4	74.69	7	26.1415

## 2	3	2	1	1	15.28	5 3.8200
## 3	1	2	2	5	46.33	7 16.2155
## 4	1	1	2	4	58.22	8 23.2880
## 5	1	2	2	6	86.31	7 30.2085
## 6	3	2	2	1	85.39	7 29.8865
## 7	1	1	1	1	68.84	6 20.6520
## 8	3	2	1	5	73.56	10 36.7800
## 9	1	1	1	4	36.26	2 3.6260
## 10	2	1	1	3	54.84	3 8.2260
## 11	2	1	1	2	14.48	4 2.8960
## 12	2	1	2	1	25.51	4 5.1020
## 13	1	2	1	1	46.95	5 11.7375
## 14	1	2	2	3	43.19	10 21.5950
## 15	1	2	1	4	71.38	10 35.6900
## 16	2	1	1	6	93.72	6 28.1160
## 17	1	1	1	4	68.93	7 24.1255
## 18	1	2	2	6	72.61	6 21.7830
## 19	1	2	2	3	54.67	3 8.2005
## 20	2	2	1	5	40.30	2 4.0300
## 21	3	1	2	1	86.04	5 21.5100
## 22	2	2	2	4	87.98	3 13.1970
## 23	2	2	2	5	33.20	2 3.3200
## 24	1	2	2	1	34.56	5 8.6400
## 25	1	1	2	6	88.63	3 13.2945
## 26	1	1	1	5	52.59	8 21.0360
## 27	2	2	2	2	33.52	1 1.6760
## 28	1	2	1	2	87.67	2 8.7670
## 29	2	2	1	3	88.36	5 22.0900
## 30	1	2	2	4	24.89	9 11.2005
## 31	2	2	2	2	94.13	5 23.5325
## 32	2	1	2	6	78.07	9 35.1315
## 33	2	2	2	6	83.78	8 33.5120
## 34	1	2	2	4	96.58	2 9.6580
## 35	3	1	1	3	99.42	4 19.8840
## 36	3	1	1	6	68.12	1 3.4060
## 37	1	1	2	6	62.62	5 15.6550
## 38	1	2	1	1	60.88	9 27.3960
## 39	3	2	1	4	54.92	8 21.9680
## 40	2	1	2	5	30.12	8 12.0480
## 41	2	1	1	5	86.72	1 4.3360
## 42	3	1	2	5	56.11	2 5.6110
## 43	2	1	1	6	69.12	6 20.7360
## 44	3	1	1	3	98.70	8 39.4800
## 45	3	1	2	4	15.37	2 1.5370
## 46	2	1	1	1	93.96	4 18.7920
## 47	2	1	2	4	56.69	9 25.5105
## 48	2	1	1	3	20.01	9 9.0045
## 49	2	1	2	1	18.93	6 5.6790
## 50	3	1	1	2	82.63	10 41.3150
## 51	3	1	2	3	91.40	7 31.9900
## 52	1	1	1	3	44.59	5 11.1475
## 53	2	1	1	2	17.87	4 3.5740
## 54	3	1	2	2	15.43	1 0.7715
## 55	2	2	2	5	16.16	2 1.6160

## 56	3	2	1	1	85.98	8 34.3920
## 57	1	1	2	5	44.34	2 4.4340
## 58	1	2	2	4	89.60	8 35.8400
## 59	1	1	1	5	72.35	10 36.1750
## 60	3	2	2	1	30.61	6 9.1830
## 61	3	1	1	6	24.74	3 3.7110
## 62	3	2	2	5	55.73	6 16.7190
## 63	2	1	1	6	55.07	9 24.7815
## 64	1	1	2	6	15.81	10 7.9050
## 65	2	1	2	4	75.74	4 15.1480
## 66	1	1	2	4	15.87	10 7.9350
## 67	3	2	1	4	33.47	2 3.3470
## 68	2	1	1	2	97.61	6 29.2830
## 69	1	2	2	6	78.77	10 39.3850
## 70	1	1	1	4	18.33	1 0.9165
## 71	3	2	2	3	89.48	10 44.7400
## 72	3	2	2	2	62.12	10 31.0600
## 73	2	1	1	3	48.52	3 7.2780
## 74	3	2	1	1	75.91	6 22.7730
## 75	1	2	2	5	74.67	9 33.6015
## 76	3	2	1	1	41.65	10 20.8250
## 77	3	1	2	2	49.04	9 22.0680
## 78	1	1	1	2	20.01	9 9.0045
## 79	3	1	1	3	78.31	10 39.1550
## 80	3	2	1	4	20.38	5 5.0950
## 81	3	2	1	4	99.19	6 29.7570
## 82	2	2	1	3	96.68	3 14.5020
## 83	3	2	2	3	19.25	8 7.7000
## 84	3	1	1	3	80.36	4 16.0720
## 85	3	1	2	6	48.91	5 12.2275
## 86	3	2	1	6	83.06	7 29.0710
## 87	3	2	2	2	76.52	5 19.1300
## 88	1	1	2	3	49.38	7 17.2830
## 89	1	2	2	6	42.47	1 2.1235
## 90	2	2	1	4	76.99	6 23.0970
## 91	3	1	1	5	47.38	4 9.4760
## 92	3	2	1	6	44.86	10 22.4300
## 93	1	1	1	6	21.98	7 7.6930
## 94	2	1	2	4	64.36	9 28.9620
## 95	3	2	2	4	89.75	1 4.4875
## 96	1	2	2	1	97.16	1 4.8580
## 97	2	2	2	4	87.87	10 43.9350
## 98	3	2	1	1	12.45	6 3.7350
## 99	1	2	2	3	52.75	3 7.9125
## 100	2	2	2	5	82.70	6 24.8100
## 101	3	1	2	2	48.71	1 2.4355
## 102	3	2	2	2	78.55	9 35.3475
## 103	3	2	1	1	23.07	9 10.3815
## 104	1	2	2	3	58.26	6 17.4780
## 105	2	2	2	4	30.35	7 10.6225
## 106	1	1	2	1	88.67	10 44.3350
## 107	3	2	2	2	27.38	6 8.2140
## 108	1	2	2	6	62.13	6 18.6390
## 109	3	2	1	3	33.98	9 15.2910

## 110	3	1	2	1	81.97	10 40.9850
## 111	2	1	1	6	16.49	2 1.6490
## 112	3	1	1	4	98.21	3 14.7315
## 113	2	2	1	2	72.84	7 25.4940
## 114	1	1	2	5	58.07	9 26.1315
## 115	3	1	1	5	80.79	9 36.3555
## 116	3	2	1	2	27.02	3 4.0530
## 117	2	1	2	2	21.94	5 5.4850
## 118	2	1	2	2	51.36	1 2.5680
## 119	1	2	1	3	10.96	10 5.4800
## 120	2	2	2	5	53.44	2 5.3440
## 121	1	2	1	1	99.56	8 39.8240
## 122	3	1	2	6	57.12	7 19.9920
## 123	2	1	2	6	99.96	9 44.9820
## 124	3	1	2	5	63.91	8 25.5640
## 125	2	1	1	2	56.47	8 22.5880
## 126	1	2	1	5	93.69	7 32.7915
## 127	1	2	1	6	32.25	5 8.0625
## 128	3	2	1	2	31.73	9 14.2785
## 129	3	1	1	3	68.54	8 27.4160
## 130	2	2	1	6	90.28	9 40.6260
## 131	2	2	1	2	39.62	7 13.8670
## 132	1	1	1	6	92.13	6 27.6390
## 133	2	2	1	6	34.84	4 6.9680
## 134	2	1	2	1	87.45	6 26.2350
## 135	3	2	1	4	81.30	6 24.3900
## 136	3	2	2	2	90.22	3 13.5330
## 137	1	2	1	1	26.31	5 6.5775
## 138	1	1	1	5	34.42	6 10.3260
## 139	2	2	2	6	51.91	10 25.9550
## 140	1	2	2	6	72.50	8 29.0000
## 141	3	1	1	6	89.80	10 44.9000
## 142	3	1	2	4	90.50	10 45.2500
## 143	3	1	1	4	68.60	10 34.3000
## 144	3	1	1	3	30.41	1 1.5205
## 145	1	2	1	5	77.95	6 23.3850
## 146	3	2	1	4	46.26	6 13.8780
## 147	1	1	1	2	30.14	10 15.0700
## 148	3	2	2	4	66.14	4 13.2280
## 149	2	1	2	5	71.86	8 28.7440
## 150	1	2	2	4	32.46	8 12.9840
## 151	2	1	1	2	91.54	4 18.3080
## 152	3	1	2	6	34.56	7 12.0960
## 153	1	2	2	2	83.24	9 37.4580
## 154	3	2	1	3	16.48	6 4.9440
## 155	3	2	1	6	80.97	8 32.3880
## 156	1	1	2	3	92.29	5 23.0725
## 157	2	1	2	1	72.17	1 3.6085
## 158	2	2	2	5	50.28	5 12.5700
## 159	2	1	2	4	97.22	9 43.7490
## 160	2	2	2	6	93.39	6 28.0170
## 161	3	2	1	3	43.18	8 17.2720
## 162	1	2	2	6	63.69	1 3.1845
## 163	1	2	2	3	45.79	7 16.0265

## 164	3	2	2	6	76.40	2 7.6400
## 165	2	2	2	3	39.90	10 19.9500
## 166	2	1	2	4	42.57	8 17.0280
## 167	3	2	2	5	95.58	10 47.7900
## 168	1	2	2	2	98.98	10 49.4900
## 169	1	2	2	3	51.28	6 15.3840
## 170	1	1	2	6	69.52	7 24.3320
## 171	1	2	2	4	70.01	5 17.5025
## 172	2	1	2	3	80.05	5 20.0125
## 173	3	2	2	1	20.85	8 8.3400
## 174	2	1	2	1	52.89	6 15.8670
## 175	2	2	2	3	19.79	8 7.9160
## 176	1	1	2	5	33.84	9 15.2280
## 177	1	1	2	3	22.17	8 8.8680
## 178	3	2	1	2	22.51	7 7.8785
## 179	1	2	2	3	73.88	6 22.1640
## 180	3	1	2	4	86.80	3 13.0200
## 181	3	2	2	2	64.26	7 22.4910
## 182	3	1	2	3	38.47	8 15.3880
## 183	1	1	2	6	15.50	10 7.7500
## 184	3	2	2	4	34.31	8 13.7240
## 185	1	2	1	6	12.34	7 4.3190
## 186	2	1	2	3	18.08	3 2.7120
## 187	2	1	1	5	94.49	8 37.7960
## 188	2	1	2	5	46.47	4 9.2940
## 189	1	2	2	5	74.07	1 3.7035
## 190	3	2	1	5	69.81	4 13.9620
## 191	2	2	1	5	77.04	3 11.5560
## 192	2	2	1	2	73.52	2 7.3520
## 193	3	2	1	3	87.80	9 39.5100
## 194	2	2	2	5	25.55	4 5.1100
## 195	1	2	2	1	32.71	5 8.1775
## 196	3	1	1	2	74.29	1 3.7145
## 197	3	1	2	4	43.70	2 4.3700
## 198	1	2	1	5	25.29	1 1.2645
## 199	3	2	2	4	41.50	4 8.3000
## 200	3	1	1	3	71.39	5 17.8475
## 201	3	1	1	6	19.15	6 5.7450
## 202	2	1	1	1	57.49	4 11.4980
## 203	3	2	2	1	61.41	7 21.4935
## 204	2	1	2	4	25.90	10 12.9500
## 205	2	1	2	5	17.77	5 4.4425
## 206	1	2	1	4	23.03	9 10.3635
## 207	3	1	1	1	66.65	9 29.9925
## 208	3	1	1	5	28.53	10 14.2650
## 209	2	2	1	2	30.37	3 4.5555
## 210	2	2	1	1	99.73	9 44.8785
## 211	1	2	2	1	26.23	9 11.8035
## 212	3	2	1	3	93.26	9 41.9670
## 213	2	2	2	5	92.36	5 23.0900
## 214	2	2	2	6	46.42	3 6.9630
## 215	2	1	1	6	29.61	7 10.3635
## 216	1	2	2	5	18.28	1 0.9140
## 217	2	2	1	6	24.77	5 6.1925



## 218	1	1	1	1	94.64	3 14.1960
## 219	2	2	2	2	94.87	8 37.9480
## 220	2	2	1	3	57.34	3 8.6010
## 221	2	2	2	1	45.35	6 13.6050
## 222	2	2	2	3	62.08	7 21.7280
## 223	3	2	2	1	11.81	5 2.9525
## 224	3	1	1	2	12.54	1 0.6270
## 225	1	2	2	3	43.25	2 4.3250
## 226	3	1	1	6	87.16	2 8.7160
## 227	2	1	2	4	69.37	9 31.2165
## 228	3	1	2	1	37.06	4 7.4120
## 229	2	1	1	1	90.70	6 27.2100
## 230	1	2	1	5	63.42	8 25.3680
## 231	2	2	1	2	81.37	2 8.1370
## 232	2	1	1	1	10.59	3 1.5885
## 233	2	2	1	4	84.09	9 37.8405
## 234	2	1	2	2	73.82	4 14.7640
## 235	1	1	2	4	51.94	10 25.9700
## 236	1	2	1	6	93.14	2 9.3140
## 237	3	2	2	4	17.41	5 4.3525
## 238	3	1	1	2	44.22	5 11.0550
## 239	2	1	1	1	13.22	5 3.3050
## 240	1	2	2	2	89.69	1 4.4845
## 241	1	2	2	3	24.94	9 11.2230
## 242	1	2	2	4	59.77	2 5.9770
## 243	3	1	2	2	93.20	2 9.3200
## 244	1	1	2	5	62.65	4 12.5300
## 245	2	2	2	5	93.87	8 37.5480
## 246	1	1	2	5	47.59	8 19.0360
## 247	2	1	1	1	81.40	3 12.2100
## 248	1	1	2	2	17.94	5 4.4850
## 249	1	1	2	1	77.72	4 15.5440
## 250	2	2	2	3	73.06	7 25.5710
## 251	2	1	2	3	46.55	9 20.9475
## 252	3	1	2	2	35.19	10 17.5950
## 253	3	2	1	6	14.39	2 1.4390
## 254	1	2	2	5	23.75	4 4.7500
## 255	1	1	2	5	58.90	8 23.5600
## 256	2	1	2	2	32.62	4 6.5240
## 257	1	1	2	1	66.35	1 3.3175
## 258	1	1	2	5	25.91	6 7.7730
## 259	1	1	2	1	32.25	4 6.4500
## 260	3	1	2	1	65.94	4 13.1880
## 261	1	2	1	1	75.06	9 33.7770
## 262	3	2	1	2	16.45	4 3.2900
## 263	2	1	1	2	38.30	4 7.6600
## 264	1	1	1	6	22.24	10 11.1200
## 265	2	2	2	6	54.45	1 2.7225
## 266	1	1	1	6	98.40	7 34.4400
## 267	3	2	2	5	35.47	4 7.0940
## 268	2	1	1	3	74.60	10 37.3000
## 269	1	1	2	5	70.74	4 14.1480
## 270	1	1	1	5	35.54	10 17.7700
## 271	2	2	1	6	67.43	5 16.8575

## 272	3	1	1	4	21.12	2 2.1120
## 273	1	1	1	5	21.54	9 9.6930
## 274	1	2	1	5	12.03	2 1.2030
## 275	2	2	1	4	99.71	6 29.9130
## 276	2	2	2	2	47.97	7 16.7895
## 277	3	1	1	5	21.82	10 10.9100
## 278	3	2	1	2	95.42	4 19.0840
## 279	3	1	2	2	70.99	10 35.4950
## 280	1	1	2	6	44.02	10 22.0100
## 281	1	2	1	5	69.96	8 27.9840
## 282	3	2	2	5	37.00	1 1.8500
## 283	1	2	1	6	15.34	1 0.7670
## 284	1	1	2	4	99.83	6 29.9490
## 285	1	1	1	4	47.67	4 9.5340
## 286	2	2	2	4	66.68	5 16.6700
## 287	3	1	2	5	74.86	1 3.7430
## 288	3	2	1	6	23.75	9 10.6875
## 289	2	2	1	3	48.51	7 16.9785
## 290	1	1	1	5	94.88	7 33.2080
## 291	2	1	2	1	40.30	10 20.1500
## 292	3	2	2	1	27.85	7 9.7475
## 293	1	1	1	1	62.48	1 3.1240
## 294	1	1	1	3	36.36	2 3.6360
## 295	2	2	2	4	18.11	10 9.0550
## 296	3	1	1	1	51.92	5 12.9800
## 297	3	2	2	1	28.84	4 5.7680
## 298	1	1	2	5	78.38	6 23.5140
## 299	1	1	2	5	60.01	4 12.0020
## 300	3	1	1	5	88.61	1 4.4305
## 301	3	2	2	2	99.82	2 9.9820
## 302	2	1	2	4	39.01	1 1.9505
## 303	3	2	2	3	48.61	1 2.4305
## 304	1	2	1	1	51.19	4 10.2380
## 305	2	2	1	1	14.96	8 5.9840
## 306	1	1	2	1	72.20	7 25.2700
## 307	1	2	1	6	40.23	7 14.0805
## 308	1	1	1	5	88.79	8 35.5160
## 309	1	1	1	1	26.48	3 3.9720
## 310	1	2	1	2	81.91	2 8.1910
## 311	2	1	2	6	79.93	6 23.9790
## 312	3	1	2	2	69.33	2 6.9330
## 313	1	1	1	3	14.23	5 3.5575
## 314	1	1	1	4	15.55	9 6.9975
## 315	3	1	1	1	78.13	10 39.0650
## 316	3	1	2	3	99.37	2 9.9370
## 317	3	1	1	3	21.08	3 3.1620
## 318	3	1	2	1	74.79	5 18.6975
## 319	3	1	1	4	29.67	7 10.3845
## 320	3	1	2	4	44.07	4 8.8140
## 321	3	2	1	3	22.93	9 10.3185
## 322	3	2	1	4	39.42	1 1.9710
## 323	1	2	2	4	15.26	6 4.5780
## 324	1	2	1	2	61.77	5 15.4425
## 325	1	2	2	5	21.52	6 6.4560

## 326	2	2	2	6	97.74	4 19.5480
## 327	1	1	2	3	99.78	5 24.9450
## 328	3	1	2	3	94.26	4 18.8520
## 329	2	1	2	4	51.13	4 10.2260
## 330	1	1	2	1	36.36	4 7.2720
## 331	2	2	2	5	22.02	9 9.9090
## 332	1	2	2	3	32.90	3 4.9350
## 333	1	2	2	2	77.02	5 19.2550
## 334	1	1	2	3	23.48	2 2.3480
## 335	3	1	2	6	14.70	5 3.6750
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## 337	1	2	2	2	76.40	9 34.3800
## 338	2	2	1	6	57.95	6 17.3850
## 339	3	2	1	1	47.65	3 7.1475
## 340	2	1	1	3	42.82	9 19.2690
## 341	2	1	2	1	48.09	3 7.2135
## 342	2	1	1	4	55.97	7 19.5895
## 343	2	1	1	4	76.90	7 26.9150
## 344	3	2	1	3	97.03	5 24.2575
## 345	1	2	2	6	44.65	3 6.6975
## 346	1	2	1	2	77.93	9 35.0685
## 347	1	1	2	1	71.95	1 3.5975
## 348	3	1	1	5	89.25	8 35.7000
## 349	1	2	2	1	26.02	7 9.1070
## 350	2	2	1	4	13.50	10 6.7500
## 351	3	1	1	2	99.30	10 49.6500
## 352	1	2	2	1	51.69	7 18.0915
## 353	2	1	1	2	54.73	7 19.1555
## 354	2	1	2	5	27.00	9 12.1500
## 355	3	2	1	1	30.24	1 1.5120
## 356	2	1	1	3	89.14	4 17.8280
## 357	3	2	1	2	37.55	10 18.7750
## 358	3	2	1	6	95.44	10 47.7200
## 359	2	2	2	1	27.50	3 4.1250
## 360	2	2	2	6	74.97	1 3.7485
## 361	1	1	2	3	80.96	8 32.3840
## 362	3	2	1	3	94.47	8 37.7880
## 363	3	2	2	3	99.79	2 9.9790
## 364	1	2	2	5	73.22	6 21.9660
## 365	3	2	1	3	41.24	4 8.2480
## 366	3	2	1	2	81.68	4 16.3360
## 367	3	2	1	1	51.32	9 23.0940
## 368	1	1	2	5	65.94	4 13.1880
## 369	3	2	1	6	14.36	10 7.1800
## 370	1	1	2	1	21.50	9 9.6750
## 371	2	1	1	1	26.26	7 9.1910
## 372	2	2	1	2	60.96	2 6.0960
## 373	3	2	1	5	70.11	6 21.0330
## 374	3	2	2	2	42.08	6 12.6240
## 375	1	2	1	5	67.09	5 16.7725
## 376	1	1	1	2	96.70	5 24.1750
## 377	2	1	1	5	35.38	9 15.9210
## 378	3	2	2	6	95.49	7 33.4215
## 379	3	1	2	2	96.98	4 19.3960

## 380	2	2	1	1	23.65	4 4.7300
## 381	1	1	2	6	82.33	4 16.4660
## 382	3	2	1	1	26.61	2 2.6610
## 383	2	2	1	3	99.69	5 24.9225
## 384	3	1	1	3	74.89	4 14.9780
## 385	1	2	1	3	40.94	5 10.2350
## 386	2	1	2	6	75.82	1 3.7910
## 387	3	2	2	3	46.77	6 14.0310
## 388	1	2	1	4	32.32	10 16.1600
## 389	3	1	1	2	54.07	9 24.3315
## 390	2	2	2	3	18.22	7 6.3770
## 391	3	1	1	2	80.48	3 12.0720
## 392	2	2	1	2	37.95	10 18.9750
## 393	1	1	2	1	76.82	1 3.8410
## 394	1	1	1	6	52.26	10 26.1300
## 395	1	2	1	4	79.74	1 3.9870
## 396	1	2	1	4	77.50	5 19.3750
## 397	1	2	1	3	54.27	5 13.5675
## 398	2	2	2	5	13.59	9 6.1155
## 399	2	1	1	4	41.06	6 12.3180
## 400	2	1	2	1	19.24	9 8.6580
## 401	3	2	1	3	39.43	6 11.8290
## 402	3	2	2	5	46.22	4 9.2440
## 403	3	1	2	5	13.98	1 0.6990
## 404	2	2	1	2	39.75	5 9.9375
## 405	3	1	1	2	97.79	7 34.2265
## 406	1	1	2	6	67.26	4 13.4520
## 407	1	2	2	3	13.79	5 3.4475
## 408	2	1	1	2	68.71	4 13.7420
## 409	1	2	1	5	56.53	4 11.3060
## 410	3	2	1	2	23.82	5 5.9550
## 411	2	2	1	4	34.21	10 17.1050
## 412	2	2	2	6	21.87	2 2.1870
## 413	1	1	2	4	20.97	5 5.2425
## 414	1	2	2	6	25.84	3 3.8760
## 415	1	2	2	5	50.93	8 20.3720
## 416	2	2	2	4	96.11	1 4.8055
## 417	3	2	1	5	45.38	4 9.0760
## 418	3	1	1	4	81.51	1 4.0755
## 419	2	2	1	4	57.22	2 5.7220
## 420	1	1	1	1	25.22	7 8.8270
## 421	3	1	1	3	38.60	3 5.7900
## 422	3	2	1	1	84.05	3 12.6075
## 423	3	1	1	2	97.21	10 48.6050
## 424	2	1	2	2	25.42	8 10.1680
## 425	3	2	2	2	16.28	1 0.8140
## 426	2	1	2	2	40.61	9 18.2745
## 427	1	1	2	4	53.17	7 18.6095
## 428	2	1	1	3	20.87	3 3.1305
## 429	2	2	2	6	67.27	5 16.8175
## 430	1	1	1	5	90.65	10 45.3250
## 431	2	2	2	2	69.08	2 6.9080
## 432	3	2	2	3	43.27	2 4.3270
## 433	1	2	1	1	23.46	6 7.0380

## 434	2	2	2	2	95.54	7 33.4390
## 435	2	2	1	2	47.44	1 2.3720
## 436	3	2	2	6	99.24	9 44.6580
## 437	3	1	2	6	82.93	4 16.5860
## 438	1	2	2	5	33.99	6 10.1970
## 439	3	1	2	3	17.04	4 3.4080
## 440	3	2	1	1	40.86	8 16.3440
## 441	3	1	2	3	17.44	5 4.3600
## 442	2	1	1	6	88.43	8 35.3720
## 443	1	1	1	5	89.21	9 40.1445
## 444	3	2	2	2	12.78	1 0.6390
## 445	1	2	1	6	19.10	7 6.6850
## 446	2	1	1	4	19.15	1 0.9575
## 447	3	1	2	3	27.66	10 13.8300
## 448	3	2	2	2	45.74	3 6.8610
## 449	2	1	1	4	27.07	1 1.3535
## 450	2	1	1	6	39.12	1 1.9560
## 451	2	2	1	1	74.71	6 22.4130
## 452	2	2	2	1	22.01	6 6.6030
## 453	1	2	1	3	63.61	5 15.9025
## 454	1	2	2	4	25.00	1 1.2500
## 455	1	1	2	1	20.77	4 4.1540
## 456	2	1	1	2	29.56	5 7.3900
## 457	2	1	1	3	77.40	9 34.8300
## 458	2	2	2	1	79.39	10 39.6950
## 459	3	1	1	1	46.57	10 23.2850
## 460	3	2	2	3	35.89	1 1.7945
## 461	3	2	2	3	40.52	5 10.1300
## 462	2	1	1	3	73.05	10 36.5250
## 463	3	2	1	6	73.95	4 14.7900
## 464	3	1	1	3	22.62	1 1.1310
## 465	1	1	2	3	51.34	5 12.8350
## 466	3	1	1	6	54.55	10 27.2750
## 467	3	1	1	4	37.15	7 13.0025
## 468	2	2	2	6	37.02	6 11.1060
## 469	3	2	2	3	21.58	1 1.0790
## 470	3	1	1	1	98.84	1 4.9420
## 471	3	1	1	5	83.77	6 25.1310
## 472	1	1	1	6	40.05	4 8.0100
## 473	1	1	2	2	43.13	10 21.5650
## 474	2	1	2	4	72.57	8 29.0280
## 475	1	1	1	1	64.44	5 16.1100
## 476	1	2	2	4	65.18	3 9.7770
## 477	1	2	1	6	33.26	5 8.3150
## 478	3	2	2	1	84.07	4 16.8140
## 479	2	2	2	6	34.37	10 17.1850
## 480	1	2	2	1	38.60	1 1.9300
## 481	3	2	2	3	65.97	8 26.3880
## 482	3	2	1	1	32.80	10 16.4000
## 483	1	2	2	6	37.14	5 9.2850
## 484	2	1	2	5	60.38	10 30.1900
## 485	3	1	1	6	36.98	10 18.4900
## 486	2	1	1	6	49.49	4 9.8980
## 487	2	2	1	2	41.09	10 20.5450

## 488	1	2	2	2	37.15	4 7.4300
## 489	3	2	2	5	22.96	1 1.1480
## 490	2	1	1	5	77.68	9 34.9560
## 491	2	2	1	2	34.70	2 3.4700
## 492	1	1	1	2	19.66	10 9.8300
## 493	2	1	1	4	25.32	8 10.1280
## 494	3	1	1	5	12.12	10 6.0600
## 495	2	2	2	2	99.89	2 9.9890
## 496	2	2	2	6	75.92	8 30.3680
## 497	3	2	1	1	63.22	2 6.3220
## 498	3	2	1	3	90.24	6 27.0720
## 499	2	1	1	6	98.13	1 4.9065
## 500	1	1	1	6	51.52	8 20.6080
## 501	2	1	2	6	73.97	1 3.6985
## 502	3	1	1	2	31.90	1 1.5950
## 503	3	2	2	5	69.40	2 6.9400
## 504	2	2	1	6	93.31	2 9.3310
## 505	2	2	2	6	88.45	1 4.4225
## 506	1	1	2	1	24.18	8 9.6720
## 507	2	1	1	6	48.50	3 7.2750
## 508	2	2	1	3	84.05	6 25.2150
## 509	2	1	2	4	61.29	5 15.3225
## 510	3	1	1	5	15.95	6 4.7850
## 511	2	1	1	6	90.74	7 31.7590
## 512	1	2	1	5	42.91	5 10.7275
## 513	1	2	1	2	54.28	7 18.9980
## 514	1	2	2	1	99.55	7 34.8425
## 515	3	1	2	6	58.39	7 20.4365
## 516	3	1	1	2	51.47	1 2.5735
## 517	2	1	2	4	54.86	5 13.7150
## 518	3	1	2	5	39.39	5 9.8475
## 519	1	2	2	5	34.73	2 3.4730
## 520	3	1	2	6	71.92	5 17.9800
## 521	2	2	1	1	45.71	3 6.8565
## 522	3	1	1	5	83.17	6 24.9510
## 523	1	1	1	5	37.44	6 11.2320
## 524	3	2	2	4	62.87	2 6.2870
## 525	1	2	2	3	81.71	6 24.5130
## 526	1	1	1	6	91.41	5 22.8525
## 527	2	2	2	2	39.21	4 7.8420
## 528	2	1	2	2	59.86	2 5.9860
## 529	2	1	1	3	54.36	10 27.1800
## 530	1	2	2	6	98.09	9 44.1405
## 531	1	2	2	4	25.43	6 7.6290
## 532	1	1	2	2	86.68	8 34.6720
## 533	2	2	2	1	22.95	10 11.4750
## 534	3	2	1	3	16.31	9 7.3395
## 535	1	2	1	5	28.32	5 7.0800
## 536	3	2	2	5	16.67	7 5.8345
## 537	2	1	1	2	73.96	1 3.6980
## 538	1	2	2	5	97.94	1 4.8970
## 539	1	2	1	2	73.05	4 14.6100
## 540	3	1	1	3	87.48	6 26.2440
## 541	1	2	2	5	30.68	3 4.6020

## 542	3	1	2	4	75.88	1 3.7940
## 543	2	1	1	6	20.18	4 4.0360
## 544	3	1	2	1	18.77	6 5.6310
## 545	2	2	1	3	71.20	1 3.5600
## 546	2	1	2	5	38.81	4 7.7620
## 547	1	2	1	2	29.42	10 14.7100
## 548	1	2	2	6	60.95	9 27.4275
## 549	2	2	1	6	51.54	5 12.8850
## 550	1	2	1	1	66.06	6 19.8180
## 551	2	2	2	2	57.27	3 8.5905
## 552	2	2	1	2	54.31	9 24.4395
## 553	2	2	1	4	58.24	9 26.2080
## 554	3	2	2	1	22.21	6 6.6630
## 555	1	1	2	1	19.32	7 6.7620
## 556	2	2	2	5	37.48	3 5.6220
## 557	2	1	1	2	72.04	2 7.2040
## 558	3	1	1	3	98.52	10 49.2600
## 559	1	1	2	3	41.66	6 12.4980
## 560	1	1	1	5	72.42	3 10.8630
## 561	2	2	2	1	21.58	9 9.7110
## 562	3	2	2	3	89.20	10 44.6000
## 563	2	2	1	1	42.42	8 16.9680
## 564	1	1	2	1	74.51	6 22.3530
## 565	2	2	2	2	99.25	2 9.9250
## 566	1	2	1	3	81.21	10 40.6050
## 567	3	2	1	6	49.33	10 24.6650
## 568	1	2	1	2	65.74	9 29.5830
## 569	2	2	1	2	79.86	7 27.9510
## 570	3	2	1	6	73.98	7 25.8930
## 571	2	1	1	5	82.04	5 20.5100
## 572	2	1	2	6	26.67	10 13.3350
## 573	1	1	2	3	10.13	7 3.5455
## 574	2	2	2	3	72.39	2 7.2390
## 575	1	2	2	6	85.91	5 21.4775
## 576	2	1	2	2	81.31	7 28.4585
## 577	2	2	2	3	60.30	4 12.0600
## 578	3	2	2	3	31.77	4 6.3540
## 579	1	2	1	4	64.27	4 12.8540
## 580	2	2	2	4	69.51	2 6.9510
## 581	3	2	2	3	27.22	3 4.0830
## 582	1	1	1	4	77.68	4 15.5360
## 583	3	1	1	2	92.98	2 9.2980
## 584	2	1	1	2	18.08	4 3.6160
## 585	2	2	2	6	63.06	3 9.4590
## 586	1	2	2	4	51.71	4 10.3420
## 587	1	2	1	3	52.34	3 7.8510
## 588	1	2	1	6	43.06	5 10.7650
## 589	3	2	2	2	59.61	10 29.8050
## 590	1	2	2	4	14.62	5 3.6550
## 591	3	1	2	4	46.53	6 13.9590
## 592	3	1	1	5	24.24	7 8.4840
## 593	1	1	1	6	45.58	1 2.2790
## 594	1	1	1	6	75.20	3 11.2800
## 595	2	1	2	6	96.80	3 14.5200

## 596	2	2	2	4	14.82	3 2.2230
## 597	1	2	2	3	52.20	3 7.8300
## 598	3	2	1	6	46.66	9 20.9970
## 599	3	2	1	2	36.85	5 9.2125
## 600	1	1	1	5	70.32	2 7.0320
## 601	3	2	2	1	83.08	1 4.1540
## 602	3	2	1	2	64.99	1 3.2495
## 603	3	2	2	3	77.56	10 38.7800
## 604	2	2	1	6	54.51	6 16.3530
## 605	3	1	1	2	51.89	7 18.1615
## 606	2	2	2	5	31.75	4 6.3500
## 607	1	1	1	2	53.65	7 18.7775
## 608	3	1	1	3	49.79	4 9.9580
## 609	1	2	2	2	30.61	1 1.5305
## 610	2	1	2	3	57.89	2 5.7890
## 611	1	2	1	1	28.96	1 1.4480
## 612	3	1	1	3	98.97	9 44.5365
## 613	2	1	2	2	93.22	3 13.9830
## 614	3	1	2	6	80.93	1 4.0465
## 615	1	1	2	3	67.45	10 33.7250
## 616	1	1	1	6	38.72	9 17.4240
## 617	2	1	2	6	72.60	6 21.7800
## 618	3	1	2	1	87.91	5 21.9775
## 619	1	1	2	3	98.53	6 29.5590
## 620	3	1	1	2	43.46	6 13.0380
## 621	1	2	1	3	71.68	3 10.7520
## 622	1	1	1	3	91.61	1 4.5805
## 623	2	1	1	5	94.59	7 33.1065
## 624	2	2	1	2	83.25	10 41.6250
## 625	2	1	2	2	91.35	1 4.5675
## 626	2	1	1	3	78.88	2 7.8880
## 627	1	2	2	6	60.87	2 6.0870
## 628	2	1	2	4	82.58	10 41.2900
## 629	1	1	2	5	53.30	3 7.9950
## 630	1	2	1	2	12.09	1 0.6045
## 631	1	2	2	6	64.19	10 32.0950
## 632	1	2	2	1	78.31	3 11.7465
## 633	1	1	2	3	83.77	2 8.3770
## 634	2	2	2	5	99.70	3 14.9550
## 635	2	1	2	3	79.91	3 11.9865
## 636	2	1	2	4	66.47	10 33.2350
## 637	1	2	2	4	28.95	7 10.1325
## 638	3	2	1	1	46.20	1 2.3100
## 639	2	1	1	3	17.63	5 4.4075
## 640	2	2	2	2	52.42	3 7.8630
## 641	2	1	1	3	98.79	3 14.8185
## 642	3	1	1	1	88.55	8 35.4200
## 643	2	1	2	1	55.67	2 5.5670
## 644	3	1	1	3	72.52	8 29.0080
## 645	3	1	2	1	12.05	5 3.0125
## 646	1	1	2	5	19.36	9 8.7120
## 647	3	2	2	4	70.21	6 21.0630
## 648	2	1	2	2	33.63	1 1.6815
## 649	3	1	1	6	15.49	2 1.5490



## 650	3	2	2	1	24.74	10 12.3700
## 651	2	2	2	1	75.66	5 18.9150
## 652	2	2	1	4	55.81	6 16.7430
## 653	1	1	2	5	72.78	10 36.3900
## 654	2	1	2	6	37.32	9 16.7940
## 655	2	1	2	2	60.18	4 12.0360
## 656	1	2	1	1	15.69	3 2.3535
## 657	3	2	1	1	99.69	1 4.9845
## 658	1	1	1	2	88.15	3 13.2225
## 659	1	1	1	6	27.93	5 6.9825
## 660	1	1	2	2	55.45	1 2.7725
## 661	2	2	1	6	42.97	3 6.4455
## 662	3	1	2	6	17.14	7 5.9990
## 663	2	1	1	2	58.75	6 17.6250
## 664	3	1	1	3	87.10	10 43.5500
## 665	3	2	1	6	98.80	2 9.8800
## 666	1	2	1	2	48.63	4 9.7260
## 667	2	1	2	3	57.74	3 8.6610
## 668	2	2	1	4	17.97	4 3.5940
## 669	3	1	1	4	47.71	6 14.3130
## 670	2	2	1	6	40.62	2 4.0620
## 671	1	1	2	2	56.04	10 28.0200
## 672	2	1	2	3	93.40	2 9.3400
## 673	2	2	1	4	73.41	3 11.0115
## 674	3	2	2	4	33.64	8 13.4560
## 675	1	2	1	1	45.48	10 22.7400
## 676	2	1	2	2	83.77	2 8.3770
## 677	2	1	1	6	64.08	7 22.4280
## 678	1	1	1	3	73.47	4 14.6940
## 679	3	2	2	4	58.95	10 29.4750
## 680	1	1	2	3	48.50	6 14.5500
## 681	2	1	1	1	39.48	1 1.9740
## 682	2	2	1	6	34.81	1 1.7405
## 683	3	2	1	2	49.32	6 14.7960
## 684	1	1	2	2	21.48	2 2.1480
## 685	2	1	1	6	23.08	6 6.9240
## 686	2	1	1	5	49.10	2 4.9100
## 687	2	1	1	6	64.83	2 6.4830
## 688	1	1	2	5	63.56	10 31.7800
## 689	3	1	2	6	72.88	2 7.2880
## 690	1	2	1	3	67.10	3 10.0650
## 691	3	1	1	6	70.19	9 31.5855
## 692	3	1	2	3	55.04	7 19.2640
## 693	1	1	2	4	48.63	10 24.3150
## 694	3	1	1	2	73.38	7 25.6830
## 695	3	2	1	3	52.60	9 23.6700
## 696	1	1	1	5	87.37	5 21.8425
## 697	1	1	1	6	27.04	4 5.4080
## 698	2	2	2	5	62.19	4 12.4380
## 699	1	1	2	1	69.58	9 31.3110
## 700	3	2	2	5	97.50	10 48.7500
## 701	3	2	1	2	60.41	8 24.1640
## 702	2	2	2	3	32.32	3 4.8480
## 703	2	1	1	2	19.77	10 9.8850

## 704	2	1	2	4	80.47	9 36.2115
## 705	2	1	1	5	88.39	9 39.7755
## 706	2	2	2	4	71.77	7 25.1195
## 707	2	2	1	1	43.00	4 8.6000
## 708	3	1	2	3	68.98	1 3.4490
## 709	3	2	2	2	15.62	8 6.2480
## 710	1	2	2	6	25.70	3 3.8550
## 711	1	1	2	3	80.62	6 24.1860
## 712	3	1	1	5	75.53	4 15.1060
## 713	3	2	1	1	77.63	9 34.9335
## 714	3	2	1	4	13.85	9 6.2325
## 715	3	1	2	2	98.70	8 39.4800
## 716	1	2	1	4	35.68	5 8.9200
## 717	1	1	1	2	71.46	7 25.0110
## 718	1	1	2	1	11.94	3 1.7910
## 719	1	2	2	2	45.38	3 6.8070
## 720	2	1	1	2	17.48	6 5.2440
## 721	2	2	1	2	25.56	7 8.9460
## 722	3	1	1	6	90.63	9 40.7835
## 723	2	2	2	5	44.12	3 6.6180
## 724	3	1	1	3	36.77	7 12.8695
## 725	2	1	2	3	23.34	4 4.6680
## 726	3	1	1	4	28.50	8 11.4000
## 727	3	1	2	5	55.57	3 8.3355
## 728	2	2	2	6	69.74	10 34.8700
## 729	3	2	2	2	97.26	4 19.4520
## 730	2	1	1	5	52.18	7 18.2630
## 731	1	1	1	2	22.32	4 4.4640
## 732	1	2	2	4	56.00	3 8.4000
## 733	1	1	2	2	19.70	1 0.9850
## 734	2	2	2	1	75.88	7 26.5580
## 735	2	1	2	3	53.72	1 2.6860
## 736	3	1	2	4	81.95	10 40.9750
## 737	3	1	1	5	81.20	7 28.4200
## 738	3	2	2	1	58.76	10 29.3800
## 739	2	1	2	1	91.56	8 36.6240
## 740	1	2	2	5	93.96	9 42.2820
## 741	3	2	2	5	55.61	7 19.4635
## 742	3	2	2	3	84.83	1 4.2415
## 743	1	1	1	6	71.63	2 7.1630
## 744	1	1	2	5	37.69	2 3.7690
## 745	3	1	1	6	31.67	8 12.6680
## 746	3	1	1	3	38.42	1 1.9210
## 747	2	1	2	2	65.23	10 32.6150
## 748	3	1	1	5	10.53	5 2.6325
## 749	2	1	1	5	12.29	9 5.5305
## 750	3	1	2	4	81.23	7 28.4305
## 751	2	1	1	2	22.32	4 4.4640
## 752	1	2	1	3	27.28	5 6.8200
## 753	1	1	1	1	17.42	10 8.7100
## 754	2	2	2	5	73.28	5 18.3200
## 755	3	1	1	2	84.87	3 12.7305
## 756	1	2	1	2	97.29	8 38.9160
## 757	2	1	1	1	35.74	8 14.2960

## 758	1	2	1	5	96.52	6 28.9560
## 759	1	1	2	3	18.85	10 9.4250
## 760	1	2	1	3	55.39	4 11.0780
## 761	2	1	1	3	77.20	10 38.6000
## 762	2	2	2	1	72.13	10 36.0650
## 763	1	1	1	2	63.88	8 25.5520
## 764	1	1	1	4	10.69	5 2.6725
## 765	1	1	2	4	55.50	4 11.1000
## 766	2	2	1	5	95.46	8 38.1840
## 767	3	2	1	2	76.06	3 11.4090
## 768	2	2	2	6	13.69	6 4.1070
## 769	2	2	1	1	95.64	4 19.1280
## 770	1	2	1	5	11.43	6 3.4290
## 771	2	1	1	6	95.54	4 19.1080
## 772	3	1	1	4	85.87	7 30.0545
## 773	3	1	1	6	67.99	7 23.7965
## 774	3	2	1	3	52.42	1 2.6210
## 775	3	1	2	3	65.65	2 6.5650
## 776	2	2	1	3	28.86	5 7.2150
## 777	3	1	2	4	65.31	7 22.8585
## 778	2	2	2	6	93.38	1 4.6690
## 779	3	1	2	6	25.25	5 6.3125
## 780	2	1	2	1	87.87	9 39.5415
## 781	3	2	2	4	21.80	8 8.7200
## 782	1	2	1	6	94.76	4 18.9520
## 783	1	1	1	2	30.62	1 1.5310
## 784	3	2	1	5	44.01	8 17.6040
## 785	3	1	1	4	10.16	5 2.5400
## 786	1	2	2	1	74.58	7 26.1030
## 787	3	2	2	1	71.89	8 28.7560
## 788	3	2	1	4	10.99	5 2.7475
## 789	3	1	2	4	60.47	3 9.0705
## 790	1	2	2	6	58.91	7 20.6185
## 791	1	2	2	2	46.41	1 2.3205
## 792	3	1	2	4	68.55	4 13.7100
## 793	2	2	1	5	97.37	10 48.6850
## 794	1	1	2	1	92.60	7 32.4100
## 795	1	2	1	1	46.61	2 4.6610
## 796	2	2	2	2	27.18	2 2.7180
## 797	3	1	1	5	60.87	1 3.0435
## 798	1	1	1	6	24.49	10 12.2450
## 799	2	2	2	4	92.78	1 4.6390
## 800	3	1	2	5	86.69	5 21.6725
## 801	2	2	2	6	23.01	6 6.9030
## 802	3	1	1	1	30.20	8 12.0800
## 803	3	1	2	2	67.39	7 23.5865
## 804	1	1	1	2	48.96	9 22.0320
## 805	2	1	1	1	75.59	9 34.0155
## 806	1	2	1	5	77.47	4 15.4940
## 807	1	2	1	6	93.18	2 9.3180
## 808	1	2	1	1	50.23	4 10.0460
## 809	2	2	1	4	17.75	1 0.8875
## 810	3	2	1	2	62.18	10 31.0900
## 811	2	2	2	4	10.75	8 4.3000

## 812	1	2	1	1	40.26	10 20.1300
## 813	3	1	1	6	64.97	5 16.2425
## 814	1	2	2	1	95.15	1 4.7575
## 815	1	1	1	1	48.62	8 19.4480
## 816	2	2	1	3	53.21	8 21.2840
## 817	3	2	1	2	45.44	7 15.9040
## 818	1	2	2	3	33.88	8 13.5520
## 819	2	1	2	4	96.16	4 19.2320
## 820	2	1	2	3	47.16	5 11.7900
## 821	2	2	2	1	52.89	4 10.5780
## 822	1	1	1	5	47.68	2 4.7680
## 823	3	1	2	6	10.17	1 0.5085
## 824	1	2	1	4	68.71	3 10.3065
## 825	2	1	1	6	60.08	7 21.0280
## 826	1	1	1	6	22.01	4 4.4020
## 827	2	1	1	4	72.11	9 32.4495
## 828	1	1	2	2	41.28	3 6.1920
## 829	3	2	2	1	64.95	10 32.4750
## 830	1	1	1	1	74.22	10 37.1100
## 831	1	2	2	1	10.56	8 4.2240
## 832	2	2	2	4	62.57	4 12.5140
## 833	2	1	1	6	11.85	8 4.7400
## 834	1	1	2	4	91.30	1 4.5650
## 835	2	1	1	5	40.73	7 14.2555
## 836	1	2	2	2	52.38	1 2.6190
## 837	1	1	2	2	38.54	5 9.6350
## 838	2	2	2	6	44.63	6 13.3890
## 839	3	2	2	1	55.87	10 27.9350
## 840	3	1	1	6	29.22	6 8.7660
## 841	1	2	2	2	51.94	3 7.7910
## 842	2	2	2	1	60.30	1 3.0150
## 843	1	1	1	6	39.47	2 3.9470
## 844	3	1	1	3	14.87	2 1.4870
## 845	1	2	2	2	21.32	1 1.0660
## 846	1	1	2	1	93.78	3 14.0670
## 847	1	1	2	1	73.26	1 3.6630
## 848	3	2	1	6	22.38	1 1.1190
## 849	3	1	1	3	72.88	9 32.7960
## 850	1	2	1	2	99.10	6 29.7300
## 851	1	2	2	2	74.10	1 3.7050
## 852	1	2	1	2	98.48	2 9.8480
## 853	3	2	2	4	53.19	7 18.6165
## 854	2	2	1	1	52.79	10 26.3950
## 855	1	1	1	4	95.95	5 23.9875
## 856	2	2	1	2	36.51	9 16.4295
## 857	2	2	2	3	21.12	8 8.4480
## 858	1	1	1	5	28.31	4 5.6620
## 859	2	2	2	4	57.59	6 17.2770
## 860	1	1	1	3	47.63	9 21.4335
## 861	3	1	1	5	86.27	1 4.3135
## 862	1	1	2	6	12.76	2 1.2760
## 863	2	2	1	5	11.28	9 5.0760
## 864	2	2	1	5	51.07	7 17.8745
## 865	1	1	1	1	79.59	3 11.9385

## 866	3	1	2	4	33.81	3 5.0715
## 867	2	1	2	6	90.53	8 36.2120
## 868	3	1	1	4	62.82	2 6.2820
## 869	3	1	2	3	24.31	3 3.6465
## 870	1	2	2	6	64.59	4 12.9180
## 871	1	1	2	3	24.82	7 8.6870
## 872	3	2	2	2	56.50	1 2.8250
## 873	2	1	1	1	21.43	10 10.7150
## 874	1	1	2	6	89.06	6 26.7180
## 875	1	1	2	5	23.29	4 4.6580
## 876	3	2	2	5	65.26	8 26.1040
## 877	3	1	2	2	52.35	1 2.6175
## 878	2	1	2	1	39.75	1 1.9875
## 879	1	2	1	1	90.02	8 36.0080
## 880	2	1	1	1	12.10	8 4.8400
## 881	2	1	1	3	33.21	10 16.6050
## 882	3	1	1	2	10.18	8 4.0720
## 883	2	1	2	6	31.99	10 15.9950
## 884	1	1	1	5	34.42	6 10.3260
## 885	1	1	1	3	83.34	2 8.3340
## 886	1	2	2	6	45.58	7 15.9530
## 887	1	1	2	3	87.90	1 4.3950
## 888	1	1	1	1	73.47	10 36.7350
## 889	3	2	1	2	12.19	8 4.8760
## 890	1	1	2	6	76.92	10 38.4600
## 891	3	2	1	4	83.66	5 20.9150
## 892	2	2	1	1	57.91	8 23.1640
## 893	3	1	1	2	92.49	5 23.1225
## 894	2	2	2	1	28.38	5 7.0950
## 895	2	1	2	1	50.45	6 15.1350
## 896	2	2	2	4	99.16	8 39.6640
## 897	3	2	2	2	60.74	7 21.2590
## 898	3	1	1	3	47.27	6 14.1810
## 899	3	1	2	4	85.60	7 29.9600
## 900	1	1	2	3	35.04	9 15.7680
## 901	3	1	1	1	44.84	9 20.1780
## 902	2	2	2	5	45.97	4 9.1940
## 903	1	1	1	4	27.73	5 6.9325
## 904	1	2	2	3	11.53	7 4.0355
## 905	3	2	1	4	58.32	2 5.8320
## 906	3	1	1	5	78.38	4 15.6760
## 907	3	2	2	4	84.61	10 42.3050
## 908	2	2	1	4	82.88	5 20.7200
## 909	1	1	1	3	79.54	2 7.9540
## 910	2	2	1	5	49.01	10 24.5050
## 911	2	1	1	3	29.15	3 4.3725
## 912	3	2	1	1	56.13	4 11.2260
## 913	1	2	1	5	93.12	8 37.2480
## 914	1	1	2	2	51.34	8 20.5360
## 915	1	1	1	3	99.60	3 14.9400
## 916	3	2	1	1	35.49	6 10.6470
## 917	3	1	2	6	42.85	1 2.1425
## 918	1	2	1	2	94.67	4 18.9340
## 919	2	2	2	5	68.97	3 10.3455

## 920	2	1	1	1	26.26	3 3.9390
## 921	3	1	1	5	35.79	9 16.1055
## 922	2	2	1	5	16.37	6 4.9110
## 923	3	1	1	5	12.73	2 1.2730
## 924	3	2	1	6	83.14	7 29.0990
## 925	3	1	1	6	35.22	6 10.5660
## 926	2	2	1	1	13.78	4 2.7560
## 927	2	1	2	6	88.31	1 4.4155
## 928	1	1	1	4	39.62	9 17.8290
## 929	2	2	1	1	88.25	9 39.7125
## 930	2	2	2	6	25.31	2 2.5310
## 931	2	2	2	5	99.92	6 29.9760
## 932	3	1	1	2	83.35	2 8.3350
## 933	1	2	1	3	74.44	10 37.2200
## 934	3	2	2	4	64.08	7 22.4280
## 935	2	2	1	5	63.15	6 18.9450
## 936	3	1	2	5	85.72	3 12.8580
## 937	3	2	1	4	78.89	7 27.6115
## 938	1	2	1	6	89.48	5 22.3700
## 939	1	1	1	4	92.09	3 13.8135
## 940	3	2	1	3	57.29	6 17.1870
## 941	1	2	2	3	66.52	4 13.3040
## 942	3	1	2	2	99.82	9 44.9190
## 943	1	2	1	5	45.68	10 22.8400
## 944	1	2	2	4	50.79	5 12.6975
## 945	1	1	2	4	10.08	7 3.5280
## 946	1	2	1	1	93.88	7 32.8580
## 947	3	1	2	1	84.25	2 8.4250
## 948	2	1	2	2	53.78	1 2.6890
## 949	3	1	2	5	35.81	5 8.9525
## 950	2	2	1	3	26.43	8 10.5720
## 951	2	1	2	4	39.91	3 5.9865
## 952	2	1	1	5	21.90	3 3.2850
## 953	2	1	1	3	62.85	4 12.5700
## 954	3	1	1	3	21.04	4 4.2080
## 955	2	1	2	5	65.91	6 19.7730
## 956	1	2	1	2	42.57	7 14.8995
## 957	3	1	2	3	50.49	9 22.7205
## 958	2	2	2	1	46.02	6 13.8060
## 959	3	2	1	5	15.80	10 7.9000
## 960	1	1	1	3	98.66	9 44.3970
## 961	3	1	2	2	91.98	1 4.5990
## 962	1	1	2	1	20.89	2 2.0890
## 963	1	2	1	2	15.50	1 0.7750
## 964	3	1	2	1	96.82	3 14.5230
## 965	2	2	2	3	33.33	2 3.3330
## 966	2	2	1	1	38.27	2 3.8270
## 967	1	2	1	5	33.30	9 14.9850
## 968	1	1	2	5	81.01	3 12.1515
## 969	1	2	1	4	15.80	3 2.3700
## 970	2	1	1	1	34.49	5 8.6225
## 971	2	1	1	3	84.63	10 42.3150
## 972	2	1	2	5	36.91	7 12.9185
## 973	2	2	2	1	87.08	7 30.4780

## 974	1	2	2	5	80.08	3 12.0120
## 975	3	2	2	2	86.13	2 8.6130
## 976	2	1	2	2	49.92	2 4.9920
## 977	1	2	1	3	74.66	4 14.9320
## 978	2	1	2	3	26.60	6 7.9800
## 979	2	2	1	1	25.45	1 1.2725
## 980	2	2	1	3	67.77	1 3.3885
## 981	3	1	2	3	59.59	4 11.9180
## 982	1	2	2	4	58.15	4 11.6300
## 983	1	1	1	6	97.48	9 43.8660
## 984	3	2	2	4	99.96	7 34.9860
## 985	3	2	2	1	96.37	7 33.7295
## 986	2	2	1	2	63.71	5 15.9275
## 987	2	2	1	4	14.76	2 1.4760
## 988	2	1	2	4	62.00	8 24.8000
## 989	3	1	2	1	82.34	10 41.1700
## 990	2	1	2	4	75.37	8 30.1480
## 991	1	2	1	3	56.56	5 14.1400
## 992	2	2	1	6	76.60	10 38.3000
## 993	1	2	2	1	58.03	2 5.8030
## 994	2	2	2	2	17.49	10 8.7450
## 995	3	1	1	1	60.95	1 3.0475
## 996	3	2	2	4	40.35	1 2.0175
## 997	2	2	1	5	97.38	10 48.6900
## 998	1	1	2	3	31.84	1 1.5920
## 999	1	2	2	5	65.82	1 3.2910
## 1000	1	1	1	2	88.34	7 30.9190
##	Payment	cogs	gross margin	percentage	gross income	Rating
## 1	3	522.83		4.761905	26.1415	9.1
## 2	1	76.40		4.761905	3.8200	9.6
## 3	2	324.31		4.761905	16.2155	7.4
## 4	3	465.76		4.761905	23.2880	8.4
## 5	3	604.17		4.761905	30.2085	5.3
## 6	3	597.73		4.761905	29.8865	4.1
## 7	3	413.04		4.761905	20.6520	5.8
## 8	3	735.60		4.761905	36.7800	8.0
## 9	2	72.52		4.761905	3.6260	7.2
## 10	2	164.52		4.761905	8.2260	5.9
## 11	3	57.92		4.761905	2.8960	4.5
## 12	1	102.04		4.761905	5.1020	6.8
## 13	3	234.75		4.761905	11.7375	7.1
## 14	3	431.90		4.761905	21.5950	8.2
## 15	1	713.80		4.761905	35.6900	5.7
## 16	1	562.32		4.761905	28.1160	4.5
## 17	2	482.51		4.761905	24.1255	4.6
## 18	2	435.66		4.761905	21.7830	6.9
## 19	2	164.01		4.761905	8.2005	8.6
## 20	3	80.60		4.761905	4.0300	4.4
## 21	3	430.20		4.761905	21.5100	4.8
## 22	3	263.94		4.761905	13.1970	5.1
## 23	2	66.40		4.761905	3.3200	4.4
## 24	3	172.80		4.761905	8.6400	9.9
## 25	3	265.89		4.761905	13.2945	6.0
## 26	2	420.72		4.761905	21.0360	8.5

## 27	1	33.52	4.761905	1.6760	6.7
## 28	2	175.34	4.761905	8.7670	7.7
## 29	1	441.80	4.761905	22.0900	9.6
## 30	1	224.01	4.761905	11.2005	7.4
## 31	2	470.65	4.761905	23.5325	4.8
## 32	1	702.63	4.761905	35.1315	4.5
## 33	1	670.24	4.761905	33.5120	5.1
## 34	2	193.16	4.761905	9.6580	5.1
## 35	3	397.68	4.761905	19.8840	7.5
## 36	3	68.12	4.761905	3.4060	6.8
## 37	3	313.10	4.761905	15.6550	7.0
## 38	3	547.92	4.761905	27.3960	4.7
## 39	3	439.36	4.761905	21.9680	7.6
## 40	1	240.96	4.761905	12.0480	7.7
## 41	3	86.72	4.761905	4.3360	7.9
## 42	1	112.22	4.761905	5.6110	6.3
## 43	1	414.72	4.761905	20.7360	5.6
## 44	1	789.60	4.761905	39.4800	7.6
## 45	1	30.74	4.761905	1.5370	7.2
## 46	1	375.84	4.761905	18.7920	9.5
## 47	2	510.21	4.761905	25.5105	8.4
## 48	3	180.09	4.761905	9.0045	4.1
## 49	2	113.58	4.761905	5.6790	8.1
## 50	3	826.30	4.761905	41.3150	7.9
## 51	1	639.80	4.761905	31.9900	9.5
## 52	1	222.95	4.761905	11.1475	8.5
## 53	3	71.48	4.761905	3.5740	6.5
## 54	2	15.43	4.761905	0.7715	6.1
## 55	3	32.32	4.761905	1.6160	6.5
## 56	1	687.84	4.761905	34.3920	8.2
## 57	1	88.68	4.761905	4.4340	5.8
## 58	3	716.80	4.761905	35.8400	6.6
## 59	1	723.50	4.761905	36.1750	5.4
## 60	1	183.66	4.761905	9.1830	9.3
## 61	2	74.22	4.761905	3.7110	10.0
## 62	3	334.38	4.761905	16.7190	7.0
## 63	3	495.63	4.761905	24.7815	10.0
## 64	2	158.10	4.761905	7.9050	8.6
## 65	1	302.96	4.761905	15.1480	7.6
## 66	1	158.70	4.761905	7.9350	5.8
## 67	3	66.94	4.761905	3.3470	6.7
## 68	3	585.66	4.761905	29.2830	9.9
## 69	1	787.70	4.761905	39.3850	6.4
## 70	1	18.33	4.761905	0.9165	4.3
## 71	2	894.80	4.761905	44.7400	9.6
## 72	1	621.20	4.761905	31.0600	5.9
## 73	3	145.56	4.761905	7.2780	4.0
## 74	1	455.46	4.761905	22.7730	8.7
## 75	3	672.03	4.761905	33.6015	9.4
## 76	2	416.50	4.761905	20.8250	5.4
## 77	2	441.36	4.761905	22.0680	8.6
## 78	2	180.09	4.761905	9.0045	5.7
## 79	3	783.10	4.761905	39.1550	6.6
## 80	1	101.90	4.761905	5.0950	6.0



## 81	2 595.14	4.761905	29.7570	5.5
## 82	3 290.04	4.761905	14.5020	6.4
## 83	3 154.00	4.761905	7.7000	6.6
## 84	2 321.44	4.761905	16.0720	8.3
## 85	1 244.55	4.761905	12.2275	6.6
## 86	3 581.42	4.761905	29.0710	4.0
## 87	1 382.60	4.761905	19.1300	9.9
## 88	2 345.66	4.761905	17.2830	7.3
## 89	1 42.47	4.761905	2.1235	5.7
## 90	1 461.94	4.761905	23.0970	6.1
## 91	1 189.52	4.761905	9.4760	7.1
## 92	3 448.60	4.761905	22.4300	8.2
## 93	3 153.86	4.761905	7.6930	5.1
## 94	2 579.24	4.761905	28.9620	8.6
## 95	2 89.75	4.761905	4.4875	6.6
## 96	3 97.16	4.761905	4.8580	7.2
## 97	3 878.70	4.761905	43.9350	5.1
## 98	1 74.70	4.761905	3.7350	4.1
## 99	3 158.25	4.761905	7.9125	9.3
## 100	1 496.20	4.761905	24.8100	7.4
## 101	1 48.71	4.761905	2.4355	4.1
## 102	1 706.95	4.761905	35.3475	7.2
## 103	1 207.63	4.761905	10.3815	4.9
## 104	1 349.56	4.761905	17.4780	9.9
## 105	1 212.45	4.761905	10.6225	8.0
## 106	3 886.70	4.761905	44.3350	7.3
## 107	2 164.28	4.761905	8.2140	7.9
## 108	1 372.78	4.761905	18.6390	7.4
## 109	1 305.82	4.761905	15.2910	4.2
## 110	1 819.70	4.761905	40.9850	9.2
## 111	3 32.98	4.761905	1.6490	4.6
## 112	2 294.63	4.761905	14.7315	7.8
## 113	1 509.88	4.761905	25.4940	8.4
## 114	3 522.63	4.761905	26.1315	4.3
## 115	2 727.11	4.761905	36.3555	9.5
## 116	2 81.06	4.761905	4.0530	7.1
## 117	3 109.70	4.761905	5.4850	5.3
## 118	3 51.36	4.761905	2.5680	5.2
## 119	3 109.60	4.761905	5.4800	6.0
## 120	3 106.88	4.761905	5.3440	4.1
## 121	2 796.48	4.761905	39.8240	5.2
## 122	2 399.84	4.761905	19.9920	6.5
## 123	2 899.64	4.761905	44.9820	4.2
## 124	2 511.28	4.761905	25.5640	4.6
## 125	3 451.76	4.761905	22.5880	7.3
## 126	2 655.83	4.761905	32.7915	4.5
## 127	1 161.25	4.761905	8.0625	9.0
## 128	2 285.57	4.761905	14.2785	5.9
## 129	3 548.32	4.761905	27.4160	8.5
## 130	3 812.52	4.761905	40.6260	7.2
## 131	1 277.34	4.761905	13.8670	7.5
## 132	1 552.78	4.761905	27.6390	8.3
## 133	1 139.36	4.761905	6.9680	7.4
## 134	2 524.70	4.761905	26.2350	8.8

## 135	3 487.80	4.761905	24.3900	5.3
## 136	1 270.66	4.761905	13.5330	6.2
## 137	2 131.55	4.761905	6.5775	8.8
## 138	1 206.52	4.761905	10.3260	9.8
## 139	1 519.10	4.761905	25.9550	8.2
## 140	3 580.00	4.761905	29.0000	9.2
## 141	2 898.00	4.761905	44.9000	5.4
## 142	1 905.00	4.761905	45.2500	8.1
## 143	1 686.00	4.761905	34.3000	9.1
## 144	2 30.41	4.761905	1.5205	8.4
## 145	3 467.70	4.761905	23.3850	8.0
## 146	2 277.56	4.761905	13.8780	9.5
## 147	3 301.40	4.761905	15.0700	9.2
## 148	2 264.56	4.761905	13.2280	5.6
## 149	2 574.88	4.761905	28.7440	6.2
## 150	2 259.68	4.761905	12.9840	4.9
## 151	2 366.16	4.761905	18.3080	4.8
## 152	2 241.92	4.761905	12.0960	7.3
## 153	2 749.16	4.761905	37.4580	7.4
## 154	3 98.88	4.761905	4.9440	9.9
## 155	1 647.76	4.761905	32.3880	9.3
## 156	2 461.45	4.761905	23.0725	9.0
## 157	1 72.17	4.761905	3.6085	6.1
## 158	3 251.40	4.761905	12.5700	9.7
## 159	3 874.98	4.761905	43.7490	6.0
## 160	3 560.34	4.761905	28.0170	10.0
## 161	2 345.44	4.761905	17.2720	8.3
## 162	1 63.69	4.761905	3.1845	6.0
## 163	2 320.53	4.761905	16.0265	7.0
## 164	3 152.80	4.761905	7.6400	6.5
## 165	2 399.00	4.761905	19.9500	5.9
## 166	3 340.56	4.761905	17.0280	5.6
## 167	1 955.80	4.761905	47.7900	4.8
## 168	2 989.80	4.761905	49.4900	8.7
## 169	1 307.68	4.761905	15.3840	6.5
## 170	2 486.64	4.761905	24.3320	8.5
## 171	3 350.05	4.761905	17.5025	5.5
## 172	2 400.25	4.761905	20.0125	9.4
## 173	1 166.80	4.761905	8.3400	6.3
## 174	2 317.34	4.761905	15.8670	9.8
## 175	3 158.32	4.761905	7.9160	8.7
## 176	3 304.56	4.761905	15.2280	8.8
## 177	2 177.36	4.761905	8.8680	9.6
## 178	2 157.57	4.761905	7.8785	4.8
## 179	3 443.28	4.761905	22.1640	4.4
## 180	3 260.40	4.761905	13.0200	9.9
## 181	1 449.82	4.761905	22.4910	5.7
## 182	1 307.76	4.761905	15.3880	7.7
## 183	3 155.00	4.761905	7.7500	8.0
## 184	3 274.48	4.761905	13.7240	5.7
## 185	2 86.38	4.761905	4.3190	6.7
## 186	3 54.24	4.761905	2.7120	8.0
## 187	3 755.92	4.761905	37.7960	7.5
## 188	1 185.88	4.761905	9.2940	7.0

## 189	3	74.07	4.761905	3.7035	9.9
## 190	2	279.24	4.761905	13.9620	5.9
## 191	2	231.12	4.761905	11.5560	7.2
## 192	3	147.04	4.761905	7.3520	4.6
## 193	1	790.20	4.761905	39.5100	9.2
## 194	3	102.20	4.761905	5.1100	5.7
## 195	2	163.55	4.761905	8.1775	9.9
## 196	1	74.29	4.761905	3.7145	5.0
## 197	1	87.40	4.761905	4.3700	4.9
## 198	3	25.29	4.761905	1.2645	6.1
## 199	2	166.00	4.761905	8.3000	8.2
## 200	2	356.95	4.761905	17.8475	5.5
## 201	2	114.90	4.761905	5.7450	6.8
## 202	1	229.96	4.761905	11.4980	6.6
## 203	1	429.87	4.761905	21.4935	9.8
## 204	3	259.00	4.761905	12.9500	8.7
## 205	2	88.85	4.761905	4.4425	5.4
## 206	3	207.27	4.761905	10.3635	7.9
## 207	2	599.85	4.761905	29.9925	9.7
## 208	3	285.30	4.761905	14.2650	7.8
## 209	3	91.11	4.761905	4.5555	5.1
## 210	2	897.57	4.761905	44.8785	6.5
## 211	3	236.07	4.761905	11.8035	5.9
## 212	1	839.34	4.761905	41.9670	8.8
## 213	3	461.80	4.761905	23.0900	4.9
## 214	2	139.26	4.761905	6.9630	4.4
## 215	1	207.27	4.761905	10.3635	6.5
## 216	2	18.28	4.761905	0.9140	8.3
## 217	1	123.85	4.761905	6.1925	8.5
## 218	1	283.92	4.761905	14.1960	5.5
## 219	3	758.96	4.761905	37.9480	8.7
## 220	2	172.02	4.761905	8.6010	7.9
## 221	3	272.10	4.761905	13.6050	6.1
## 222	3	434.56	4.761905	21.7280	5.4
## 223	1	59.05	4.761905	2.9525	9.4
## 224	1	12.54	4.761905	0.6270	8.2
## 225	1	86.50	4.761905	4.3250	6.2
## 226	2	174.32	4.761905	8.7160	9.7
## 227	3	624.33	4.761905	31.2165	4.0
## 228	3	148.24	4.761905	7.4120	9.7
## 229	1	544.20	4.761905	27.2100	5.3
## 230	3	507.36	4.761905	25.3680	7.4
## 231	1	162.74	4.761905	8.1370	6.5
## 232	2	31.77	4.761905	1.5885	8.7
## 233	1	756.81	4.761905	37.8405	8.0
## 234	1	295.28	4.761905	14.7640	6.7
## 235	3	519.40	4.761905	25.9700	6.5
## 236	3	186.28	4.761905	9.3140	4.1
## 237	2	87.05	4.761905	4.3525	4.9
## 238	2	221.10	4.761905	11.0550	8.6
## 239	1	66.10	4.761905	3.3050	4.3
## 240	3	89.69	4.761905	4.4845	4.9
## 241	2	224.46	4.761905	11.2230	5.6
## 242	2	119.54	4.761905	5.9770	5.8

## 243	2 186.40	4.761905	9.3200	6.0
## 244	1 250.60	4.761905	12.5300	4.2
## 245	2 750.96	4.761905	37.5480	8.3
## 246	1 380.72	4.761905	19.0360	5.7
## 247	1 244.20	4.761905	12.2100	4.8
## 248	3 89.70	4.761905	4.4850	6.8
## 249	2 310.88	4.761905	15.5440	8.8
## 250	2 511.42	4.761905	25.5710	4.2
## 251	3 418.95	4.761905	20.9475	6.4
## 252	2 351.90	4.761905	17.5950	8.4
## 253	2 28.78	4.761905	1.4390	7.2
## 254	1 95.00	4.761905	4.7500	5.2
## 255	1 471.20	4.761905	23.5600	8.9
## 256	1 130.48	4.761905	6.5240	9.0
## 257	2 66.35	4.761905	3.3175	9.7
## 258	3 155.46	4.761905	7.7730	8.7
## 259	3 129.00	4.761905	6.4500	6.5
## 260	2 263.76	4.761905	13.1880	6.9
## 261	3 675.54	4.761905	33.7770	6.2
## 262	3 65.80	4.761905	3.2900	5.6
## 263	1 153.20	4.761905	7.6600	5.7
## 264	1 222.40	4.761905	11.1200	4.2
## 265	3 54.45	4.761905	2.7225	7.9
## 266	2 688.80	4.761905	34.4400	8.7
## 267	2 141.88	4.761905	7.0940	6.9
## 268	1 746.00	4.761905	37.3000	9.5
## 269	2 282.96	4.761905	14.1480	4.4
## 270	3 355.40	4.761905	17.7700	7.0
## 271	3 337.15	4.761905	16.8575	6.3
## 272	1 42.24	4.761905	2.1120	9.7
## 273	2 193.86	4.761905	9.6930	8.8
## 274	1 24.06	4.761905	1.2030	5.1
## 275	3 598.26	4.761905	29.9130	7.9
## 276	1 335.79	4.761905	16.7895	6.2
## 277	1 218.20	4.761905	10.9100	7.1
## 278	3 381.68	4.761905	19.0840	6.4
## 279	1 709.90	4.761905	35.4950	5.7
## 280	2 440.20	4.761905	22.0100	9.6
## 281	2 559.68	4.761905	27.9840	6.4
## 282	2 37.00	4.761905	1.8500	7.9
## 283	1 15.34	4.761905	0.7670	6.5
## 284	3 598.98	4.761905	29.9490	8.5
## 285	1 190.68	4.761905	9.5340	9.1
## 286	1 333.40	4.761905	16.6700	7.6
## 287	1 74.86	4.761905	3.7430	6.9
## 288	1 213.75	4.761905	10.6875	9.5
## 289	2 339.57	4.761905	16.9785	5.2
## 290	1 664.16	4.761905	33.2080	4.2
## 291	2 403.00	4.761905	20.1500	7.0
## 292	3 194.95	4.761905	9.7475	6.0
## 293	1 62.48	4.761905	3.1240	4.7
## 294	1 72.72	4.761905	3.6360	7.1
## 295	3 181.10	4.761905	9.0550	5.9
## 296	1 259.60	4.761905	12.9800	7.5

## 297	1 115.36	4.761905	5.7680	6.4
## 298	3 470.28	4.761905	23.5140	5.8
## 299	1 240.04	4.761905	12.0020	4.5
## 300	1 88.61	4.761905	4.4305	7.7
## 301	2 199.64	4.761905	9.9820	6.7
## 302	2 39.01	4.761905	1.9505	4.7
## 303	1 48.61	4.761905	2.4305	4.4
## 304	2 204.76	4.761905	10.2380	4.7
## 305	1 119.68	4.761905	5.9840	8.6
## 306	3 505.40	4.761905	25.2700	4.3
## 307	1 281.61	4.761905	14.0805	9.6
## 308	1 710.32	4.761905	35.5160	4.1
## 309	3 79.44	4.761905	3.9720	4.7
## 310	1 163.82	4.761905	8.1910	7.8
## 311	1 479.58	4.761905	23.9790	5.5
## 312	3 138.66	4.761905	6.9330	9.7
## 313	2 71.15	4.761905	3.5575	4.4
## 314	1 139.95	4.761905	6.9975	5.0
## 315	1 781.30	4.761905	39.0650	4.4
## 316	1 198.74	4.761905	9.9370	5.2
## 317	1 63.24	4.761905	3.1620	7.3
## 318	1 373.95	4.761905	18.6975	4.9
## 319	2 207.69	4.761905	10.3845	8.1
## 320	3 176.28	4.761905	8.8140	8.4
## 321	1 206.37	4.761905	10.3185	5.5
## 322	1 39.42	4.761905	1.9710	8.4
## 323	3 91.56	4.761905	4.5780	9.8
## 324	1 308.85	4.761905	15.4425	6.7
## 325	2 129.12	4.761905	6.4560	9.4
## 326	3 390.96	4.761905	19.5480	6.4
## 327	1 498.90	4.761905	24.9450	5.4
## 328	1 377.04	4.761905	18.8520	8.6
## 329	2 204.52	4.761905	10.2260	4.0
## 330	1 145.44	4.761905	7.2720	7.6
## 331	1 198.18	4.761905	9.9090	6.8
## 332	2 98.70	4.761905	4.9350	9.1
## 333	1 385.10	4.761905	19.2550	5.5
## 334	2 46.96	4.761905	2.3480	7.9
## 335	3 73.50	4.761905	3.6750	8.5
## 336	2 142.25	4.761905	7.1125	9.1
## 337	3 687.60	4.761905	34.3800	7.5
## 338	1 347.70	4.761905	17.3850	5.2
## 339	2 142.95	4.761905	7.1475	9.5
## 340	2 385.38	4.761905	19.2690	8.9
## 341	2 144.27	4.761905	7.2135	7.8
## 342	3 391.79	4.761905	19.5895	8.9
## 343	1 538.30	4.761905	26.9150	7.7
## 344	3 485.15	4.761905	24.2575	9.3
## 345	1 133.95	4.761905	6.6975	6.2
## 346	3 701.37	4.761905	35.0685	7.6
## 347	1 71.95	4.761905	3.5975	7.3
## 348	1 714.00	4.761905	35.7000	4.7
## 349	1 182.14	4.761905	9.1070	5.1
## 350	2 135.00	4.761905	6.7500	4.8

## 351	2 993.00	4.761905	49.6500	6.6
## 352	1 361.83	4.761905	18.0915	5.5
## 353	2 383.11	4.761905	19.1555	8.5
## 354	1 243.00	4.761905	12.1500	4.8
## 355	1 30.24	4.761905	1.5120	8.4
## 356	2 356.56	4.761905	17.8280	7.8
## 357	2 375.50	4.761905	18.7750	9.3
## 358	1 954.40	4.761905	47.7200	5.2
## 359	3 82.50	4.761905	4.1250	6.5
## 360	1 74.97	4.761905	3.7485	5.6
## 361	2 647.68	4.761905	32.3840	7.4
## 362	1 755.76	4.761905	37.7880	9.1
## 363	3 199.58	4.761905	9.9790	8.0
## 364	1 439.32	4.761905	21.9660	7.2
## 365	1 164.96	4.761905	8.2480	7.1
## 366	1 326.72	4.761905	16.3360	9.1
## 367	1 461.88	4.761905	23.0940	5.6
## 368	1 263.76	4.761905	13.1880	6.0
## 369	1 143.60	4.761905	7.1800	5.4
## 370	2 193.50	4.761905	9.6750	7.8
## 371	1 183.82	4.761905	9.1910	9.9
## 372	2 121.92	4.761905	6.0960	4.9
## 373	3 420.66	4.761905	21.0330	5.2
## 374	1 252.48	4.761905	12.6240	8.9
## 375	2 335.45	4.761905	16.7725	9.1
## 376	3 483.50	4.761905	24.1750	7.0
## 377	2 318.42	4.761905	15.9210	9.6
## 378	3 668.43	4.761905	33.4215	8.7
## 379	3 387.92	4.761905	19.3960	9.4
## 380	2 94.60	4.761905	4.7300	4.0
## 381	2 329.32	4.761905	16.4660	7.5
## 382	1 53.22	4.761905	2.6610	4.2
## 383	1 498.45	4.761905	24.9225	9.9
## 384	3 299.56	4.761905	14.9780	4.2
## 385	3 204.70	4.761905	10.2350	9.9
## 386	1 75.82	4.761905	3.7910	5.8
## 387	1 280.62	4.761905	14.0310	6.0
## 388	2 323.20	4.761905	16.1600	10.0
## 389	3 486.63	4.761905	24.3315	9.5
## 390	2 127.54	4.761905	6.3770	6.6
## 391	1 241.44	4.761905	12.0720	8.1
## 392	1 379.50	4.761905	18.9750	9.7
## 393	3 76.82	4.761905	3.8410	7.2
## 394	2 522.60	4.761905	26.1300	6.2
## 395	3 79.74	4.761905	3.9870	7.3
## 396	3 387.50	4.761905	19.3750	4.3
## 397	3 271.35	4.761905	13.5675	4.6
## 398	1 122.31	4.761905	6.1155	5.8
## 399	2 246.36	4.761905	12.3180	8.3
## 400	1 173.16	4.761905	8.6580	8.0
## 401	2 236.58	4.761905	11.8290	9.4
## 402	2 184.88	4.761905	9.2440	6.2
## 403	3 13.98	4.761905	0.6990	9.8
## 404	3 198.75	4.761905	9.9375	9.6

## 405	3 684.53	4.761905	34.2265	4.9
## 406	2 269.04	4.761905	13.4520	8.0
## 407	2 68.95	4.761905	3.4475	7.8
## 408	1 274.84	4.761905	13.7420	4.1
## 409	3 226.12	4.761905	11.3060	5.5
## 410	3 119.10	4.761905	5.9550	5.4
## 411	1 342.10	4.761905	17.1050	5.1
## 412	3 43.74	4.761905	2.1870	6.9
## 413	1 104.85	4.761905	5.2425	7.8
## 414	3 77.52	4.761905	3.8760	6.6
## 415	3 407.44	4.761905	20.3720	9.2
## 416	3 96.11	4.761905	4.8055	7.8
## 417	2 181.52	4.761905	9.0760	8.7
## 418	3 81.51	4.761905	4.0755	9.2
## 419	3 114.44	4.761905	5.7220	8.3
## 420	1 176.54	4.761905	8.8270	8.2
## 421	3 115.80	4.761905	5.7900	7.5
## 422	1 252.15	4.761905	12.6075	9.8
## 423	2 972.10	4.761905	48.6050	8.7
## 424	2 203.36	4.761905	10.1680	6.7
## 425	1 16.28	4.761905	0.8140	5.0
## 426	1 365.49	4.761905	18.2745	7.0
## 427	1 372.19	4.761905	18.6095	8.9
## 428	2 62.61	4.761905	3.1305	8.0
## 429	1 336.35	4.761905	16.8175	6.9
## 430	3 906.50	4.761905	45.3250	7.3
## 431	2 138.16	4.761905	6.9080	6.9
## 432	3 86.54	4.761905	4.3270	5.7
## 433	3 140.76	4.761905	7.0380	6.4
## 434	2 668.78	4.761905	33.4390	9.6
## 435	2 47.44	4.761905	2.3720	6.8
## 436	3 893.16	4.761905	44.6580	9.0
## 437	3 331.72	4.761905	16.5860	9.6
## 438	2 203.94	4.761905	10.1970	7.7
## 439	3 68.16	4.761905	3.4080	7.0
## 440	2 326.88	4.761905	16.3440	6.5
## 441	1 87.20	4.761905	4.3600	8.1
## 442	2 707.44	4.761905	35.3720	4.3
## 443	2 802.89	4.761905	40.1445	6.5
## 444	3 12.78	4.761905	0.6390	9.5
## 445	1 133.70	4.761905	6.6850	9.7
## 446	2 19.15	4.761905	0.9575	9.5
## 447	2 276.60	4.761905	13.8300	8.9
## 448	2 137.22	4.761905	6.8610	6.5
## 449	2 27.07	4.761905	1.3535	5.3
## 450	2 39.12	4.761905	1.9560	9.6
## 451	1 448.26	4.761905	22.4130	6.7
## 452	1 132.06	4.761905	6.6030	7.6
## 453	3 318.05	4.761905	15.9025	4.8
## 454	3 25.00	4.761905	1.2500	5.5
## 455	1 83.08	4.761905	4.1540	4.7
## 456	1 147.80	4.761905	7.3900	6.9
## 457	2 696.60	4.761905	34.8300	4.5
## 458	1 793.90	4.761905	39.6950	6.2

## 459	1 465.70	4.761905	23.2850	7.6
## 460	2 35.89	4.761905	1.7945	7.9
## 461	1 202.60	4.761905	10.1300	4.5
## 462	2 730.50	4.761905	36.5250	8.7
## 463	1 295.80	4.761905	14.7900	6.1
## 464	1 22.62	4.761905	1.1310	6.4
## 465	2 256.70	4.761905	12.8350	9.1
## 466	2 545.50	4.761905	27.2750	7.1
## 467	2 260.05	4.761905	13.0025	7.7
## 468	1 222.12	4.761905	11.1060	4.5
## 469	3 21.58	4.761905	1.0790	7.2
## 470	1 98.84	4.761905	4.9420	8.4
## 471	3 502.62	4.761905	25.1310	5.4
## 472	1 160.20	4.761905	8.0100	9.7
## 473	2 431.30	4.761905	21.5650	5.5
## 474	1 580.56	4.761905	29.0280	4.6
## 475	1 322.20	4.761905	16.1100	6.6
## 476	2 195.54	4.761905	9.7770	6.3
## 477	2 166.30	4.761905	8.3150	4.2
## 478	3 336.28	4.761905	16.8140	4.4
## 479	3 343.70	4.761905	17.1850	6.7
## 480	3 38.60	4.761905	1.9300	6.7
## 481	1 527.76	4.761905	26.3880	8.4
## 482	1 328.00	4.761905	16.4000	6.2
## 483	3 185.70	4.761905	9.2850	5.0
## 484	1 603.80	4.761905	30.1900	6.0
## 485	2 369.80	4.761905	18.4900	7.0
## 486	3 197.96	4.761905	9.8980	6.6
## 487	1 410.90	4.761905	20.5450	7.3
## 488	3 148.60	4.761905	7.4300	8.3
## 489	1 22.96	4.761905	1.1480	4.3
## 490	3 699.12	4.761905	34.9560	9.8
## 491	3 69.40	4.761905	3.4700	8.2
## 492	2 196.60	4.761905	9.8300	7.2
## 493	3 202.56	4.761905	10.1280	8.7
## 494	2 121.20	4.761905	6.0600	8.4
## 495	3 199.78	4.761905	9.9890	7.1
## 496	1 607.36	4.761905	30.3680	5.5
## 497	1 126.44	4.761905	6.3220	8.5
## 498	1 541.44	4.761905	27.0720	6.2
## 499	1 98.13	4.761905	4.9065	8.9
## 500	1 412.16	4.761905	20.6080	9.6
## 501	2 73.97	4.761905	3.6985	5.4
## 502	3 31.90	4.761905	1.5950	9.1
## 503	3 138.80	4.761905	6.9400	9.0
## 504	1 186.62	4.761905	9.3310	6.3
## 505	2 88.45	4.761905	4.4225	9.5
## 506	3 193.44	4.761905	9.6720	9.8
## 507	1 145.50	4.761905	7.2750	6.7
## 508	2 504.30	4.761905	25.2150	7.7
## 509	1 306.45	4.761905	15.3225	7.0
## 510	2 95.70	4.761905	4.7850	5.1
## 511	2 635.18	4.761905	31.7590	6.2
## 512	3 214.55	4.761905	10.7275	6.1



## 513	3 379.96	4.761905	18.9980	9.3
## 514	1 696.85	4.761905	34.8425	7.6
## 515	2 408.73	4.761905	20.4365	8.2
## 516	3 51.47	4.761905	2.5735	8.5
## 517	3 274.30	4.761905	13.7150	9.8
## 518	2 196.95	4.761905	9.8475	8.7
## 519	3 69.46	4.761905	3.4730	9.7
## 520	2 359.60	4.761905	17.9800	4.3
## 521	2 137.13	4.761905	6.8565	7.7
## 522	1 499.02	4.761905	24.9510	7.3
## 523	2 224.64	4.761905	11.2320	5.9
## 524	1 125.74	4.761905	6.2870	5.0
## 525	2 490.26	4.761905	24.5130	8.0
## 526	3 457.05	4.761905	22.8525	7.1
## 527	2 156.84	4.761905	7.8420	9.0
## 528	3 119.72	4.761905	5.9860	6.7
## 529	2 543.60	4.761905	27.1800	6.1
## 530	1 882.81	4.761905	44.1405	9.3
## 531	3 152.58	4.761905	7.6290	7.0
## 532	2 693.44	4.761905	34.6720	7.2
## 533	3 229.50	4.761905	11.4750	8.2
## 534	3 146.79	4.761905	7.3395	8.4
## 535	3 141.60	4.761905	7.0800	6.2
## 536	3 116.69	4.761905	5.8345	7.4
## 537	2 73.96	4.761905	3.6980	5.0
## 538	3 97.94	4.761905	4.8970	6.9
## 539	2 292.20	4.761905	14.6100	4.9
## 540	3 524.88	4.761905	26.2440	5.1
## 541	3 92.04	4.761905	4.6020	9.1
## 542	2 75.88	4.761905	3.7940	7.1
## 543	2 80.72	4.761905	4.0360	5.0
## 544	2 112.62	4.761905	5.6310	5.5
## 545	2 71.20	4.761905	3.5600	9.2
## 546	3 155.24	4.761905	7.7620	4.9
## 547	3 294.20	4.761905	14.7100	8.9
## 548	2 548.55	4.761905	27.4275	6.0
## 549	1 257.70	4.761905	12.8850	4.2
## 550	1 396.36	4.761905	19.8180	7.3
## 551	3 171.81	4.761905	8.5905	6.5
## 552	1 488.79	4.761905	24.4395	8.9
## 553	1 524.16	4.761905	26.2080	9.7
## 554	2 133.26	4.761905	6.6630	8.6
## 555	1 135.24	4.761905	6.7620	6.9
## 556	2 112.44	4.761905	5.6220	7.7
## 557	1 144.08	4.761905	7.2040	9.5
## 558	3 985.20	4.761905	49.2600	4.5
## 559	3 249.96	4.761905	12.4980	5.6
## 560	3 217.26	4.761905	10.8630	8.2
## 561	1 194.22	4.761905	9.7110	7.3
## 562	2 892.00	4.761905	44.6000	4.4
## 563	3 339.36	4.761905	16.9680	5.7
## 564	3 447.06	4.761905	22.3530	5.0
## 565	1 198.50	4.761905	9.9250	9.0
## 566	2 812.10	4.761905	40.6050	6.3

## 567	2 493.30	4.761905	24.6650	9.4
## 568	1 591.66	4.761905	29.5830	7.7
## 569	2 559.02	4.761905	27.9510	5.5
## 570	3 517.86	4.761905	25.8930	4.1
## 571	2 410.20	4.761905	20.5100	7.6
## 572	1 266.70	4.761905	13.3350	8.6
## 573	3 70.91	4.761905	3.5455	8.3
## 574	2 144.78	4.761905	7.2390	8.1
## 575	2 429.55	4.761905	21.4775	8.6
## 576	3 569.17	4.761905	28.4585	6.3
## 577	1 241.20	4.761905	12.0600	5.8
## 578	3 127.08	4.761905	6.3540	6.2
## 579	1 257.08	4.761905	12.8540	7.7
## 580	3 139.02	4.761905	6.9510	8.1
## 581	1 81.66	4.761905	4.0830	7.3
## 582	1 310.72	4.761905	15.5360	8.4
## 583	2 185.96	4.761905	9.2980	8.0
## 584	2 72.32	4.761905	3.6160	9.5
## 585	3 189.18	4.761905	9.4590	7.0
## 586	2 206.84	4.761905	10.3420	9.8
## 587	1 157.02	4.761905	7.8510	9.2
## 588	3 215.30	4.761905	10.7650	7.7
## 589	1 596.10	4.761905	29.8050	5.3
## 590	1 73.10	4.761905	3.6550	4.4
## 591	2 279.18	4.761905	13.9590	4.3
## 592	3 169.68	4.761905	8.4840	9.4
## 593	1 45.58	4.761905	2.2790	9.8
## 594	3 225.60	4.761905	11.2800	4.8
## 595	1 290.40	4.761905	14.5200	5.3
## 596	2 44.46	4.761905	2.2230	8.7
## 597	2 156.60	4.761905	7.8300	9.5
## 598	3 419.94	4.761905	20.9970	5.3
## 599	1 184.25	4.761905	9.2125	9.2
## 600	3 140.64	4.761905	7.0320	9.6
## 601	3 83.08	4.761905	4.1540	6.4
## 602	2 64.99	4.761905	3.2495	4.5
## 603	3 775.60	4.761905	38.7800	6.9
## 604	3 327.06	4.761905	16.3530	7.8
## 605	1 363.23	4.761905	18.1615	4.5
## 606	1 127.00	4.761905	6.3500	8.6
## 607	3 375.55	4.761905	18.7775	5.2
## 608	2 199.16	4.761905	9.9580	6.4
## 609	3 30.61	4.761905	1.5305	5.2
## 610	3 115.78	4.761905	5.7890	8.9
## 611	2 28.96	4.761905	1.4480	6.2
## 612	1 890.73	4.761905	44.5365	6.7
## 613	1 279.66	4.761905	13.9830	7.2
## 614	2 80.93	4.761905	4.0465	9.0
## 615	3 674.50	4.761905	33.7250	4.2
## 616	3 348.48	4.761905	17.4240	4.2
## 617	1 435.60	4.761905	21.7800	6.9
## 618	3 439.55	4.761905	21.9775	4.4
## 619	2 591.18	4.761905	29.5590	4.0
## 620	3 260.76	4.761905	13.0380	8.5

## 621	2 215.04	4.761905	10.7520	9.2
## 622	1 91.61	4.761905	4.5805	9.8
## 623	2 662.13	4.761905	33.1065	4.9
## 624	2 832.50	4.761905	41.6250	4.4
## 625	1 91.35	4.761905	4.5675	6.8
## 626	1 157.76	4.761905	7.8880	9.1
## 627	3 121.74	4.761905	6.0870	8.7
## 628	1 825.80	4.761905	41.2900	5.0
## 629	3 159.90	4.761905	7.9950	7.5
## 630	2 12.09	4.761905	0.6045	8.2
## 631	2 641.90	4.761905	32.0950	6.7
## 632	3 234.93	4.761905	11.7465	5.4
## 633	2 167.54	4.761905	8.3770	7.0
## 634	3 299.10	4.761905	14.9550	4.7
## 635	2 239.73	4.761905	11.9865	5.0
## 636	2 664.70	4.761905	33.2350	5.0
## 637	2 202.65	4.761905	10.1325	6.0
## 638	1 46.20	4.761905	2.3100	6.3
## 639	1 88.15	4.761905	4.4075	8.5
## 640	3 157.26	4.761905	7.8630	7.5
## 641	3 296.37	4.761905	14.8185	6.4
## 642	3 708.40	4.761905	35.4200	4.7
## 643	3 111.34	4.761905	5.5670	6.0
## 644	2 580.16	4.761905	29.0080	4.0
## 645	3 60.25	4.761905	3.0125	5.5
## 646	3 174.24	4.761905	8.7120	8.7
## 647	1 421.26	4.761905	21.0630	7.4
## 648	1 33.63	4.761905	1.6815	5.6
## 649	1 30.98	4.761905	1.5490	6.3
## 650	1 247.40	4.761905	12.3700	7.1
## 651	3 378.30	4.761905	18.9150	7.8
## 652	1 334.86	4.761905	16.7430	9.9
## 653	1 727.80	4.761905	36.3900	7.3
## 654	3 335.88	4.761905	16.7940	5.1
## 655	2 240.72	4.761905	12.0360	9.4
## 656	2 47.07	4.761905	2.3535	5.8
## 657	2 99.69	4.761905	4.9845	8.0
## 658	3 264.45	4.761905	13.2225	7.9
## 659	1 139.65	4.761905	6.9825	5.9
## 660	2 55.45	4.761905	2.7725	4.9
## 661	1 128.91	4.761905	6.4455	9.3
## 662	2 119.98	4.761905	5.9990	7.9
## 663	2 352.50	4.761905	17.6250	5.9
## 664	2 871.00	4.761905	43.5500	9.9
## 665	1 197.60	4.761905	9.8800	7.7
## 666	3 194.52	4.761905	9.7260	7.6
## 667	3 173.22	4.761905	8.6610	7.7
## 668	3 71.88	4.761905	3.5940	6.4
## 669	3 286.26	4.761905	14.3130	4.4
## 670	2 81.24	4.761905	4.0620	4.1
## 671	3 560.40	4.761905	28.0200	4.4
## 672	1 186.80	4.761905	9.3400	5.5
## 673	3 220.23	4.761905	11.0115	4.0
## 674	2 269.12	4.761905	13.4560	9.3

## 675	2 454.80	4.761905	22.7400	4.8
## 676	1 167.54	4.761905	8.3770	4.6
## 677	2 448.56	4.761905	22.4280	7.3
## 678	1 293.88	4.761905	14.6940	6.0
## 679	3 589.50	4.761905	29.4750	8.1
## 680	3 291.00	4.761905	14.5500	9.4
## 681	1 39.48	4.761905	1.9740	6.5
## 682	2 34.81	4.761905	1.7405	7.0
## 683	3 295.92	4.761905	14.7960	7.1
## 684	3 42.96	4.761905	2.1480	6.6
## 685	3 138.48	4.761905	6.9240	4.9
## 686	2 98.20	4.761905	4.9100	6.4
## 687	2 129.66	4.761905	6.4830	8.0
## 688	1 635.60	4.761905	31.7800	4.3
## 689	1 145.76	4.761905	7.2880	6.1
## 690	1 201.30	4.761905	10.0650	7.5
## 691	1 631.71	4.761905	31.5855	6.7
## 692	3 385.28	4.761905	19.2640	5.2
## 693	1 486.30	4.761905	24.3150	8.8
## 694	1 513.66	4.761905	25.6830	9.5
## 695	1 473.40	4.761905	23.6700	7.6
## 696	1 436.85	4.761905	21.8425	6.6
## 697	3 108.16	4.761905	5.4080	6.9
## 698	3 248.76	4.761905	12.4380	4.3
## 699	2 626.22	4.761905	31.3110	7.8
## 700	3 975.00	4.761905	48.7500	8.0
## 701	3 483.28	4.761905	24.1640	9.6
## 702	2 96.96	4.761905	4.8480	4.3
## 703	2 197.70	4.761905	9.8850	5.0
## 704	1 724.23	4.761905	36.2115	9.2
## 705	1 795.51	4.761905	39.7755	6.3
## 706	1 502.39	4.761905	25.1195	8.9
## 707	3 172.00	4.761905	8.6000	7.6
## 708	1 68.98	4.761905	3.4490	4.8
## 709	3 124.96	4.761905	6.2480	9.1
## 710	3 77.10	4.761905	3.8550	6.1
## 711	1 483.72	4.761905	24.1860	9.1
## 712	3 302.12	4.761905	15.1060	8.3
## 713	3 698.67	4.761905	34.9335	7.2
## 714	3 124.65	4.761905	6.2325	6.0
## 715	3 789.60	4.761905	39.4800	8.5
## 716	2 178.40	4.761905	8.9200	6.6
## 717	3 500.22	4.761905	25.0110	4.5
## 718	2 35.82	4.761905	1.7910	8.1
## 719	2 136.14	4.761905	6.8070	7.2
## 720	2 104.88	4.761905	5.2440	6.1
## 721	1 178.92	4.761905	8.9460	7.1
## 722	1 815.67	4.761905	40.7835	5.1
## 723	2 132.36	4.761905	6.6180	7.9
## 724	1 257.39	4.761905	12.8695	7.4
## 725	3 93.36	4.761905	4.6680	7.4
## 726	1 228.00	4.761905	11.4000	6.6
## 727	2 166.71	4.761905	8.3355	5.9
## 728	2 697.40	4.761905	34.8700	8.9

## 729	3 389.04	4.761905	19.4520	6.8
## 730	1 365.26	4.761905	18.2630	9.3
## 731	2 89.28	4.761905	4.4640	4.4
## 732	3 168.00	4.761905	8.4000	4.8
## 733	3 19.70	4.761905	0.9850	9.5
## 734	3 531.16	4.761905	26.5580	8.9
## 735	3 53.72	4.761905	2.6860	6.4
## 736	2 819.50	4.761905	40.9750	6.0
## 737	2 568.40	4.761905	28.4200	8.1
## 738	3 587.60	4.761905	29.3800	9.0
## 739	3 732.48	4.761905	36.6240	6.0
## 740	1 845.64	4.761905	42.2820	9.8
## 741	1 389.27	4.761905	19.4635	8.5
## 742	3 84.83	4.761905	4.2415	8.8
## 743	3 143.26	4.761905	7.1630	8.8
## 744	3 75.38	4.761905	3.7690	9.5
## 745	2 253.36	4.761905	12.6680	5.6
## 746	1 38.42	4.761905	1.9210	8.6
## 747	2 652.30	4.761905	32.6150	5.2
## 748	2 52.65	4.761905	2.6325	5.8
## 749	2 110.61	4.761905	5.5305	8.0
## 750	1 568.61	4.761905	28.4305	9.0
## 751	3 89.28	4.761905	4.4640	4.1
## 752	2 136.40	4.761905	6.8200	8.6
## 753	3 174.20	4.761905	8.7100	7.0
## 754	3 366.40	4.761905	18.3200	8.4
## 755	3 254.61	4.761905	12.7305	7.4
## 756	2 778.32	4.761905	38.9160	6.2
## 757	3 285.92	4.761905	14.2960	4.9
## 758	1 579.12	4.761905	28.9560	4.5
## 759	3 188.50	4.761905	9.4250	5.6
## 760	3 221.56	4.761905	11.0780	8.0
## 761	2 772.00	4.761905	38.6000	5.6
## 762	2 721.30	4.761905	36.0650	4.2
## 763	3 511.04	4.761905	25.5520	9.9
## 764	3 53.45	4.761905	2.6725	7.6
## 765	2 222.00	4.761905	11.1000	6.6
## 766	3 763.68	4.761905	38.1840	4.7
## 767	2 228.18	4.761905	11.4090	9.8
## 768	1 82.14	4.761905	4.1070	6.3
## 769	1 382.56	4.761905	19.1280	7.9
## 770	1 68.58	4.761905	3.4290	7.7
## 771	3 382.16	4.761905	19.1080	4.5
## 772	2 601.09	4.761905	30.0545	8.0
## 773	3 475.93	4.761905	23.7965	5.7
## 774	2 52.42	4.761905	2.6210	6.3
## 775	1 131.30	4.761905	6.5650	6.0
## 776	2 144.30	4.761905	7.2150	8.0
## 777	2 457.17	4.761905	22.8585	4.2
## 778	1 93.38	4.761905	4.6690	9.6
## 779	1 126.25	4.761905	6.3125	6.1
## 780	3 790.83	4.761905	39.5415	5.6
## 781	1 174.40	4.761905	8.7200	8.3
## 782	3 379.04	4.761905	18.9520	7.8

## 783	2	30.62	4.761905	1.5310	4.1
## 784	1	352.08	4.761905	17.6040	8.8
## 785	3	50.80	4.761905	2.5400	4.1
## 786	2	522.06	4.761905	26.1030	9.0
## 787	3	575.12	4.761905	28.7560	5.5
## 788	2	54.95	4.761905	2.7475	9.3
## 789	2	181.41	4.761905	9.0705	5.6
## 790	3	412.37	4.761905	20.6185	9.7
## 791	2	46.41	4.761905	2.3205	4.0
## 792	2	274.20	4.761905	13.7100	9.2
## 793	2	973.70	4.761905	48.6850	4.9
## 794	2	648.20	4.761905	32.4100	9.3
## 795	2	93.22	4.761905	4.6610	6.6
## 796	3	54.36	4.761905	2.7180	4.3
## 797	1	60.87	4.761905	3.0435	5.5
## 798	1	244.90	4.761905	12.2450	8.1
## 799	2	92.78	4.761905	4.6390	9.8
## 800	3	433.45	4.761905	21.6725	9.4
## 801	3	138.06	4.761905	6.9030	7.9
## 802	3	241.60	4.761905	12.0800	5.1
## 803	3	471.73	4.761905	23.5865	6.9
## 804	1	440.64	4.761905	22.0320	8.0
## 805	1	680.31	4.761905	34.0155	8.0
## 806	1	309.88	4.761905	15.4940	4.2
## 807	2	186.36	4.761905	9.3180	8.5
## 808	1	200.92	4.761905	10.0460	9.0
## 809	1	17.75	4.761905	0.8875	8.6
## 810	3	621.80	4.761905	31.0900	6.0
## 811	3	86.00	4.761905	4.3000	6.2
## 812	2	402.60	4.761905	20.1300	5.0
## 813	2	324.85	4.761905	16.2425	6.5
## 814	1	95.15	4.761905	4.7575	6.0
## 815	1	388.96	4.761905	19.4480	5.0
## 816	3	425.68	4.761905	21.2840	5.0
## 817	1	318.08	4.761905	15.9040	9.2
## 818	3	271.04	4.761905	13.5520	9.6
## 819	2	384.64	4.761905	19.2320	8.4
## 820	2	235.80	4.761905	11.7900	6.0
## 821	3	211.56	4.761905	10.5780	6.7
## 822	2	95.36	4.761905	4.7680	4.1
## 823	1	10.17	4.761905	0.5085	5.9
## 824	1	206.13	4.761905	10.3065	8.7
## 825	2	420.56	4.761905	21.0280	4.5
## 826	2	88.04	4.761905	4.4020	6.6
## 827	2	648.99	4.761905	32.4495	7.7
## 828	2	123.84	4.761905	6.1920	8.5
## 829	1	649.50	4.761905	32.4750	5.2
## 830	2	742.20	4.761905	37.1100	4.3
## 831	1	84.48	4.761905	4.2240	7.6
## 832	1	250.28	4.761905	12.5140	9.5
## 833	1	94.80	4.761905	4.7400	4.1
## 834	3	91.30	4.761905	4.5650	9.2
## 835	3	285.11	4.761905	14.2555	5.4
## 836	1	52.38	4.761905	2.6190	5.8

## 837	3 192.70	4.761905	9.6350	5.6
## 838	2 267.78	4.761905	13.3890	5.1
## 839	1 558.70	4.761905	27.9350	5.8
## 840	3 175.32	4.761905	8.7660	5.0
## 841	1 155.82	4.761905	7.7910	7.9
## 842	1 60.30	4.761905	3.0150	6.0
## 843	2 78.94	4.761905	3.9470	5.0
## 844	2 29.74	4.761905	1.4870	8.9
## 845	1 21.32	4.761905	1.0660	5.9
## 846	2 281.34	4.761905	14.0670	5.9
## 847	3 73.26	4.761905	3.6630	9.7
## 848	2 22.38	4.761905	1.1190	8.6
## 849	1 655.92	4.761905	32.7960	4.0
## 850	1 594.60	4.761905	29.7300	4.2
## 851	1 74.10	4.761905	3.7050	9.2
## 852	3 196.96	4.761905	9.8480	9.2
## 853	3 372.33	4.761905	18.6165	5.0
## 854	3 527.90	4.761905	26.3950	10.0
## 855	3 479.75	4.761905	23.9875	8.8
## 856	1 328.59	4.761905	16.4295	4.2
## 857	1 168.96	4.761905	8.4480	6.3
## 858	1 113.24	4.761905	5.6620	8.2
## 859	1 345.54	4.761905	17.2770	5.1
## 860	1 428.67	4.761905	21.4335	5.0
## 861	3 86.27	4.761905	4.3135	7.0
## 862	3 25.52	4.761905	1.2760	7.8
## 863	2 101.52	4.761905	5.0760	4.3
## 864	1 357.49	4.761905	17.8745	7.0
## 865	1 238.77	4.761905	11.9385	6.6
## 866	3 101.43	4.761905	5.0715	7.3
## 867	2 724.24	4.761905	36.2120	6.5
## 868	3 125.64	4.761905	6.2820	4.9
## 869	2 72.93	4.761905	3.6465	4.3
## 870	3 258.36	4.761905	12.9180	9.3
## 871	2 173.74	4.761905	8.6870	7.1
## 872	3 56.50	4.761905	2.8250	9.6
## 873	1 214.30	4.761905	10.7150	6.2
## 874	1 534.36	4.761905	26.7180	9.9
## 875	2 93.16	4.761905	4.6580	5.9
## 876	3 522.08	4.761905	26.1040	6.3
## 877	1 52.35	4.761905	2.6175	4.0
## 878	1 39.75	4.761905	1.9875	6.1
## 879	2 720.16	4.761905	36.0080	4.5
## 880	3 96.80	4.761905	4.8400	8.6
## 881	3 332.10	4.761905	16.6050	6.0
## 882	2 81.44	4.761905	4.0720	9.5
## 883	2 319.90	4.761905	15.9950	9.9
## 884	3 206.52	4.761905	10.3260	7.5
## 885	1 166.68	4.761905	8.3340	7.6
## 886	1 319.06	4.761905	15.9530	5.0
## 887	3 87.90	4.761905	4.3950	6.7
## 888	3 734.70	4.761905	36.7350	9.5
## 889	3 97.52	4.761905	4.8760	6.8
## 890	3 769.20	4.761905	38.4600	5.6

## 891	1 418.30	4.761905	20.9150	7.2
## 892	1 463.28	4.761905	23.1640	8.1
## 893	2 462.45	4.761905	23.1225	8.6
## 894	1 141.90	4.761905	7.0950	9.4
## 895	2 302.70	4.761905	15.1350	8.9
## 896	2 793.28	4.761905	39.6640	4.2
## 897	3 425.18	4.761905	21.2590	5.0
## 898	1 283.62	4.761905	14.1810	8.8
## 899	1 599.20	4.761905	29.9600	5.3
## 900	3 315.36	4.761905	15.7680	4.6
## 901	2 403.56	4.761905	20.1780	7.5
## 902	3 183.88	4.761905	9.1940	5.1
## 903	2 138.65	4.761905	6.9325	4.2
## 904	1 80.71	4.761905	4.0355	8.1
## 905	3 116.64	4.761905	5.8320	6.0
## 906	1 313.52	4.761905	15.6760	7.9
## 907	2 846.10	4.761905	42.3050	8.8
## 908	2 414.40	4.761905	20.7200	6.6
## 909	3 159.08	4.761905	7.9540	6.2
## 910	2 490.10	4.761905	24.5050	4.2
## 911	2 87.45	4.761905	4.3725	7.3
## 912	3 224.52	4.761905	11.2260	8.6
## 913	1 744.96	4.761905	37.2480	6.8
## 914	3 410.72	4.761905	20.5360	7.6
## 915	1 298.80	4.761905	14.9400	5.8
## 916	1 212.94	4.761905	10.6470	4.1
## 917	2 42.85	4.761905	2.1425	9.3
## 918	1 378.68	4.761905	18.9340	6.8
## 919	3 206.91	4.761905	10.3455	8.7
## 920	3 78.78	4.761905	3.9390	6.3
## 921	2 322.11	4.761905	16.1055	5.1
## 922	1 98.22	4.761905	4.9110	7.0
## 923	2 25.46	4.761905	1.2730	5.2
## 924	2 581.98	4.761905	29.0990	6.6
## 925	3 211.32	4.761905	10.5660	6.5
## 926	3 55.12	4.761905	2.7560	9.0
## 927	2 88.31	4.761905	4.4155	5.2
## 928	2 356.58	4.761905	17.8290	6.8
## 929	2 794.25	4.761905	39.7125	7.6
## 930	3 50.62	4.761905	2.5310	7.2
## 931	3 599.52	4.761905	29.9760	7.1
## 932	2 166.70	4.761905	8.3350	9.5
## 933	3 744.40	4.761905	37.2200	5.1
## 934	3 448.56	4.761905	22.4280	7.6
## 935	3 378.90	4.761905	18.9450	9.8
## 936	3 257.16	4.761905	12.8580	5.1
## 937	3 552.23	4.761905	27.6115	7.5
## 938	1 447.40	4.761905	22.3700	7.4
## 939	1 276.27	4.761905	13.8135	4.2
## 940	3 343.74	4.761905	17.1870	5.9
## 941	3 266.08	4.761905	13.3040	6.9
## 942	1 898.38	4.761905	44.9190	6.6
## 943	3 456.80	4.761905	22.8400	5.7
## 944	2 253.95	4.761905	12.6975	5.3



## 945	1	70.56	4.761905	3.5280	4.2
## 946	2	657.16	4.761905	32.8580	7.3
## 947	2	168.50	4.761905	8.4250	5.3
## 948	3	53.78	4.761905	2.6890	4.7
## 949	3	179.05	4.761905	8.9525	7.9
## 950	3	211.44	4.761905	10.5720	8.9
## 951	3	119.73	4.761905	5.9865	9.3
## 952	3	65.70	4.761905	3.2850	4.7
## 953	3	251.40	4.761905	12.5700	8.7
## 954	1	84.16	4.761905	4.2080	7.6
## 955	1	395.46	4.761905	19.7730	5.7
## 956	1	297.99	4.761905	14.8995	6.8
## 957	1	454.41	4.761905	22.7205	5.4
## 958	1	276.12	4.761905	13.8060	7.1
## 959	1	158.00	4.761905	7.9000	7.8
## 960	1	887.94	4.761905	44.3970	8.4
## 961	1	91.98	4.761905	4.5990	9.8
## 962	1	41.78	4.761905	2.0890	9.8
## 963	2	15.50	4.761905	0.7750	7.4
## 964	1	290.46	4.761905	14.5230	6.7
## 965	2	66.66	4.761905	3.3330	6.4
## 966	2	76.54	4.761905	3.8270	5.8
## 967	3	299.70	4.761905	14.9850	7.2
## 968	2	243.03	4.761905	12.1515	9.3
## 969	1	47.40	4.761905	2.3700	9.5
## 970	2	172.45	4.761905	8.6225	9.0
## 971	2	846.30	4.761905	42.3150	9.0
## 972	3	258.37	4.761905	12.9185	6.7
## 973	1	609.56	4.761905	30.4780	5.5
## 974	1	240.24	4.761905	12.0120	5.4
## 975	1	172.26	4.761905	8.6130	8.2
## 976	2	99.84	4.761905	4.9920	7.0
## 977	1	298.64	4.761905	14.9320	8.5
## 978	3	159.60	4.761905	7.9800	4.9
## 979	2	25.45	4.761905	1.2725	5.1
## 980	2	67.77	4.761905	3.3885	6.5
## 981	1	238.36	4.761905	11.9180	9.8
## 982	1	232.60	4.761905	11.6300	8.4
## 983	3	877.32	4.761905	43.8660	7.4
## 984	1	699.72	4.761905	34.9860	6.1
## 985	1	674.59	4.761905	33.7295	6.0
## 986	3	318.55	4.761905	15.9275	8.5
## 987	3	29.52	4.761905	1.4760	4.3
## 988	2	496.00	4.761905	24.8000	6.2
## 989	3	823.40	4.761905	41.1700	4.3
## 990	2	602.96	4.761905	30.1480	8.4
## 991	2	282.80	4.761905	14.1400	4.5
## 992	3	766.00	4.761905	38.3000	6.0
## 993	3	116.06	4.761905	5.8030	8.8
## 994	3	174.90	4.761905	8.7450	6.6
## 995	3	60.95	4.761905	3.0475	5.9
## 996	3	40.35	4.761905	2.0175	6.2
## 997	3	973.80	4.761905	48.6900	4.4
## 998	1	31.84	4.761905	1.5920	7.7

```
## 999      1  65.82      4.761905      3.2910      4.1
## 1000     1 618.38      4.761905      30.9190      6.6
```

### 3) Exploratory Data Analysis.

Covariance and correlation of all variables is computed for easier implementation and analysis of the Principle components.

```
# Covariance matrix
#
cov(carrefour)
```

```
##              Branch Customer type      Gender Product line
## Branch      0.66852452 -0.008020020 -0.023035035 -0.075651652
## Customer type -0.00802002  0.250249249  0.010009009 -0.031579580
## Gender      -0.02303504  0.010009009  0.250249249  0.004456456
## Product line -0.07565165 -0.031579580  0.004456456  2.942638639
## Unit price   0.61094651 -0.268231101  0.204701832  0.878125365
## Quantity     0.03815816 -0.024514515 -0.108598599  0.101581582
## Tax          0.39296139 -0.115215346 -0.289650782  0.635116829
## Payment     -0.03402202  0.007508509  0.018519520  0.042590591
## cogs         7.85922779 -2.304306927 -5.793015636 12.702336577
## gross margin percentage 0.000000000 0.000000000 0.000000000 0.000000000
## gross income 0.39296139 -0.115215346 -0.289650782 0.635116829
## Rating       0.01438679  0.016238939  0.004126827 -0.060520921
##              Unit price  Quantity      Tax      Payment
## Branch      0.6109465  0.03815816    0.3929614 -0.034022022
## Customer type -0.2682311 -0.02451451 -0.1152153 0.007508509
## Gender       0.2047018 -0.10859860   -0.2896508 0.018519520
## Product line  0.8781254  0.10158158    0.6351168 0.042590591
## Unit price   701.9653313 0.83477848 196.6683401 -0.350752883
## Quantity     0.8347785  8.54644645  24.1495704 -0.009519520
## Tax          196.6683401 24.14957038 137.0965941 -0.120903272
## Payment     -0.3507529 -0.00951952  -0.1209033 0.689688689
## cogs         3933.3668019 482.99140761 2741.9318829 -2.418065445
## gross margin percentage 0.0000000 0.00000000 0.0000000 0.000000000
## gross income 196.6683401 24.14957038 137.0965941 -0.120903272
## Rating       -0.3996675 -0.07945646  -0.7333003 -0.007680380
##              cogs gross margin percentage gross income
## Branch      7.859228      0      0.3929614
## Customer type -2.304307      0 -0.1152153
## Gender       -5.793016      0 -0.2896508
## Product line 12.702337      0  0.6351168
## Unit price   3933.366802      0 196.6683401
## Quantity     482.991408      0  24.1495704
## Tax          2741.931883      0 137.0965941
## Payment     -2.418065      0 -0.1209033
## cogs         54838.637658      0 2741.9318829
## gross margin percentage 0.000000      0  0.0000000
## gross income 2741.931883      0 137.0965941
## Rating       -14.666006      0 -0.7333003
##              Rating
```

```
## Branch 0.014386787
## Customer type 0.016238939
## Gender 0.004126827
## Product line -0.060520921
## Unit price -0.399667519
## Quantity -0.079456456
## Tax -0.733300277
## Payment -0.007680380
## cogs -14.666005532
## gross margin percentage 0.000000000
## gross income -0.733300277
## Rating 2.953518228
```

```
# correlation matrix
#
cor(carrefou)
```

```
## Warning in cor(carrefou): the standard deviation is zero
```

```
##          Branch Customer type      Gender Product line
## Branch 1.00000000 -0.01960787 -0.056317558 -0.053937557
## Customer type -0.01960787 1.00000000 0.039996160 -0.036800311
## Gender -0.05631756 0.03999616 1.000000000 0.005193197
## Product line -0.05393756 -0.03680031 0.005193197 1.000000000
## Unit price 0.02820244 -0.02023787 0.015444630 0.019321028
## Quantity 0.01596379 -0.01676271 -0.074258307 0.020256001
## Tax 0.04104666 -0.01967028 -0.049450989 0.031620725
## Payment -0.05010429 0.01807344 0.044577609 0.029896383
## cogs 0.04104666 -0.01967028 -0.049450989 0.031620725
## gross margin percentage NA NA NA NA
## gross income 0.04104666 -0.01967028 -0.049450989 0.031620725
## Rating 0.01023848 0.01888867 0.004800208 -0.020528973
##          Unit price Quantity      Tax      Payment
## Branch 0.028202440 0.01596379 0.04104666 -0.050104288
## Customer type -0.020237875 -0.01676271 -0.01967028 0.018073436
## Gender 0.015444630 -0.07425831 -0.04945099 0.044577609
## Product line 0.019321028 0.02025600 0.03162072 0.029896383
## Unit price 1.000000000 0.01077756 0.63396209 -0.015941048
## Quantity 0.010777564 1.00000000 0.70551019 -0.003920990
## Tax 0.633962089 0.70551019 1.00000000 -0.012433637
## Payment -0.015941048 -0.00392099 -0.01243364 1.000000000
## cogs 0.633962089 0.70551019 1.00000000 -0.012433637
## gross margin percentage NA NA NA NA
## gross income 0.633962089 0.70551019 1.00000000 -0.012433637
## Rating -0.008777507 -0.01581490 -0.03644170 -0.005381289
##          cogs gross margin percentage gross income
## Branch 0.04104666 NA 0.04104666
## Customer type -0.01967028 NA -0.01967028
## Gender -0.04945099 NA -0.04945099
## Product line 0.03162072 NA 0.03162072
## Unit price 0.63396209 NA 0.63396209
## Quantity 0.70551019 NA 0.70551019
## Tax 1.00000000 NA 1.00000000
```

```
## Payment -0.01243364 NA -0.01243364
## cogs 1.00000000 NA 1.00000000
## gross margin percentage NA 1 NA
## gross income 1.00000000 NA 1.00000000
## Rating -0.03644170 NA -0.03644170
## Rating
## Branch 0.010238476
## Customer type 0.018888672
## Gender 0.004800208
## Product line -0.020528973
## Unit price -0.008777507
## Quantity -0.015814905
## Tax -0.036441705
## Payment -0.005381289
## cogs -0.036441705
## gross margin percentage NA
## gross income -0.036441705
## Rating 1.000000000
```

```
# drop variable with zero sd
#
drop <- c("gross margin percentage")
carrefour <- carrefour[,!(names(carrefour) %in% drop)]
carrefour
```

##	Branch	Customer type	Gender	Product line	Unit price	Quantity	Tax
## 1	1	1	1	4	74.69	7	26.1415
## 2	3	2	1	1	15.28	5	3.8200
## 3	1	2	2	5	46.33	7	16.2155
## 4	1	1	2	4	58.22	8	23.2880
## 5	1	2	2	6	86.31	7	30.2085
## 6	3	2	2	1	85.39	7	29.8865
## 7	1	1	1	1	68.84	6	20.6520
## 8	3	2	1	5	73.56	10	36.7800
## 9	1	1	1	4	36.26	2	3.6260
## 10	2	1	1	3	54.84	3	8.2260
## 11	2	1	1	2	14.48	4	2.8960
## 12	2	1	2	1	25.51	4	5.1020
## 13	1	2	1	1	46.95	5	11.7375
## 14	1	2	2	3	43.19	10	21.5950
## 15	1	2	1	4	71.38	10	35.6900
## 16	2	1	1	6	93.72	6	28.1160
## 17	1	1	1	4	68.93	7	24.1255
## 18	1	2	2	6	72.61	6	21.7830
## 19	1	2	2	3	54.67	3	8.2005
## 20	2	2	1	5	40.30	2	4.0300
## 21	3	1	2	1	86.04	5	21.5100
## 22	2	2	2	4	87.98	3	13.1970
## 23	2	2	2	5	33.20	2	3.3200
## 24	1	2	2	1	34.56	5	8.6400
## 25	1	1	2	6	88.63	3	13.2945
## 26	1	1	1	5	52.59	8	21.0360
## 27	2	2	2	2	33.52	1	1.6760
## 28	1	2	1	2	87.67	2	8.7670

## 29	2	2	1	3	88.36	5 22.0900
## 30	1	2	2	4	24.89	9 11.2005
## 31	2	2	2	2	94.13	5 23.5325
## 32	2	1	2	6	78.07	9 35.1315
## 33	2	2	2	6	83.78	8 33.5120
## 34	1	2	2	4	96.58	2 9.6580
## 35	3	1	1	3	99.42	4 19.8840
## 36	3	1	1	6	68.12	1 3.4060
## 37	1	1	2	6	62.62	5 15.6550
## 38	1	2	1	1	60.88	9 27.3960
## 39	3	2	1	4	54.92	8 21.9680
## 40	2	1	2	5	30.12	8 12.0480
## 41	2	1	1	5	86.72	1 4.3360
## 42	3	1	2	5	56.11	2 5.6110
## 43	2	1	1	6	69.12	6 20.7360
## 44	3	1	1	3	98.70	8 39.4800
## 45	3	1	2	4	15.37	2 1.5370
## 46	2	1	1	1	93.96	4 18.7920
## 47	2	1	2	4	56.69	9 25.5105
## 48	2	1	1	3	20.01	9 9.0045
## 49	2	1	2	1	18.93	6 5.6790
## 50	3	1	1	2	82.63	10 41.3150
## 51	3	1	2	3	91.40	7 31.9900
## 52	1	1	1	3	44.59	5 11.1475
## 53	2	1	1	2	17.87	4 3.5740
## 54	3	1	2	2	15.43	1 0.7715
## 55	2	2	2	5	16.16	2 1.6160
## 56	3	2	1	1	85.98	8 34.3920
## 57	1	1	2	5	44.34	2 4.4340
## 58	1	2	2	4	89.60	8 35.8400
## 59	1	1	1	5	72.35	10 36.1750
## 60	3	2	2	1	30.61	6 9.1830
## 61	3	1	1	6	24.74	3 3.7110
## 62	3	2	2	5	55.73	6 16.7190
## 63	2	1	1	6	55.07	9 24.7815
## 64	1	1	2	6	15.81	10 7.9050
## 65	2	1	2	4	75.74	4 15.1480
## 66	1	1	2	4	15.87	10 7.9350
## 67	3	2	1	4	33.47	2 3.3470
## 68	2	1	1	2	97.61	6 29.2830
## 69	1	2	2	6	78.77	10 39.3850
## 70	1	1	1	4	18.33	1 0.9165
## 71	3	2	2	3	89.48	10 44.7400
## 72	3	2	2	2	62.12	10 31.0600
## 73	2	1	1	3	48.52	3 7.2780
## 74	3	2	1	1	75.91	6 22.7730
## 75	1	2	2	5	74.67	9 33.6015
## 76	3	2	1	1	41.65	10 20.8250
## 77	3	1	2	2	49.04	9 22.0680
## 78	1	1	1	2	20.01	9 9.0045
## 79	3	1	1	3	78.31	10 39.1550
## 80	3	2	1	4	20.38	5 5.0950
## 81	3	2	1	4	99.19	6 29.7570
## 82	2	2	1	3	96.68	3 14.5020

## 83	3	2	2	3	19.25	8 7.7000
## 84	3	1	1	3	80.36	4 16.0720
## 85	3	1	2	6	48.91	5 12.2275
## 86	3	2	1	6	83.06	7 29.0710
## 87	3	2	2	2	76.52	5 19.1300
## 88	1	1	2	3	49.38	7 17.2830
## 89	1	2	2	6	42.47	1 2.1235
## 90	2	2	1	4	76.99	6 23.0970
## 91	3	1	1	5	47.38	4 9.4760
## 92	3	2	1	6	44.86	10 22.4300
## 93	1	1	1	6	21.98	7 7.6930
## 94	2	1	2	4	64.36	9 28.9620
## 95	3	2	2	4	89.75	1 4.4875
## 96	1	2	2	1	97.16	1 4.8580
## 97	2	2	2	4	87.87	10 43.9350
## 98	3	2	1	1	12.45	6 3.7350
## 99	1	2	2	3	52.75	3 7.9125
## 100	2	2	2	5	82.70	6 24.8100
## 101	3	1	2	2	48.71	1 2.4355
## 102	3	2	2	2	78.55	9 35.3475
## 103	3	2	1	1	23.07	9 10.3815
## 104	1	2	2	3	58.26	6 17.4780
## 105	2	2	2	4	30.35	7 10.6225
## 106	1	1	2	1	88.67	10 44.3350
## 107	3	2	2	2	27.38	6 8.2140
## 108	1	2	2	6	62.13	6 18.6390
## 109	3	2	1	3	33.98	9 15.2910
## 110	3	1	2	1	81.97	10 40.9850
## 111	2	1	1	6	16.49	2 1.6490
## 112	3	1	1	4	98.21	3 14.7315
## 113	2	2	1	2	72.84	7 25.4940
## 114	1	1	2	5	58.07	9 26.1315
## 115	3	1	1	5	80.79	9 36.3555
## 116	3	2	1	2	27.02	3 4.0530
## 117	2	1	2	2	21.94	5 5.4850
## 118	2	1	2	2	51.36	1 2.5680
## 119	1	2	1	3	10.96	10 5.4800
## 120	2	2	2	5	53.44	2 5.3440
## 121	1	2	1	1	99.56	8 39.8240
## 122	3	1	2	6	57.12	7 19.9920
## 123	2	1	2	6	99.96	9 44.9820
## 124	3	1	2	5	63.91	8 25.5640
## 125	2	1	1	2	56.47	8 22.5880
## 126	1	2	1	5	93.69	7 32.7915
## 127	1	2	1	6	32.25	5 8.0625
## 128	3	2	1	2	31.73	9 14.2785
## 129	3	1	1	3	68.54	8 27.4160
## 130	2	2	1	6	90.28	9 40.6260
## 131	2	2	1	2	39.62	7 13.8670
## 132	1	1	1	6	92.13	6 27.6390
## 133	2	2	1	6	34.84	4 6.9680
## 134	2	1	2	1	87.45	6 26.2350
## 135	3	2	1	4	81.30	6 24.3900
## 136	3	2	2	2	90.22	3 13.5330

## 137	1	2	1	1	26.31	5 6.5775
## 138	1	1	1	5	34.42	6 10.3260
## 139	2	2	2	6	51.91	10 25.9550
## 140	1	2	2	6	72.50	8 29.0000
## 141	3	1	1	6	89.80	10 44.9000
## 142	3	1	2	4	90.50	10 45.2500
## 143	3	1	1	4	68.60	10 34.3000
## 144	3	1	1	3	30.41	1 1.5205
## 145	1	2	1	5	77.95	6 23.3850
## 146	3	2	1	4	46.26	6 13.8780
## 147	1	1	1	2	30.14	10 15.0700
## 148	3	2	2	4	66.14	4 13.2280
## 149	2	1	2	5	71.86	8 28.7440
## 150	1	2	2	4	32.46	8 12.9840
## 151	2	1	1	2	91.54	4 18.3080
## 152	3	1	2	6	34.56	7 12.0960
## 153	1	2	2	2	83.24	9 37.4580
## 154	3	2	1	3	16.48	6 4.9440
## 155	3	2	1	6	80.97	8 32.3880
## 156	1	1	2	3	92.29	5 23.0725
## 157	2	1	2	1	72.17	1 3.6085
## 158	2	2	2	5	50.28	5 12.5700
## 159	2	1	2	4	97.22	9 43.7490
## 160	2	2	2	6	93.39	6 28.0170
## 161	3	2	1	3	43.18	8 17.2720
## 162	1	2	2	6	63.69	1 3.1845
## 163	1	2	2	3	45.79	7 16.0265
## 164	3	2	2	6	76.40	2 7.6400
## 165	2	2	2	3	39.90	10 19.9500
## 166	2	1	2	4	42.57	8 17.0280
## 167	3	2	2	5	95.58	10 47.7900
## 168	1	2	2	2	98.98	10 49.4900
## 169	1	2	2	3	51.28	6 15.3840
## 170	1	1	2	6	69.52	7 24.3320
## 171	1	2	2	4	70.01	5 17.5025
## 172	2	1	2	3	80.05	5 20.0125
## 173	3	2	2	1	20.85	8 8.3400
## 174	2	1	2	1	52.89	6 15.8670
## 175	2	2	2	3	19.79	8 7.9160
## 176	1	1	2	5	33.84	9 15.2280
## 177	1	1	2	3	22.17	8 8.8680
## 178	3	2	1	2	22.51	7 7.8785
## 179	1	2	2	3	73.88	6 22.1640
## 180	3	1	2	4	86.80	3 13.0200
## 181	3	2	2	2	64.26	7 22.4910
## 182	3	1	2	3	38.47	8 15.3880
## 183	1	1	2	6	15.50	10 7.7500
## 184	3	2	2	4	34.31	8 13.7240
## 185	1	2	1	6	12.34	7 4.3190
## 186	2	1	2	3	18.08	3 2.7120
## 187	2	1	1	5	94.49	8 37.7960
## 188	2	1	2	5	46.47	4 9.2940
## 189	1	2	2	5	74.07	1 3.7035
## 190	3	2	1	5	69.81	4 13.9620

## 191	2	2	1	5	77.04	3 11.5560
## 192	2	2	1	2	73.52	2 7.3520
## 193	3	2	1	3	87.80	9 39.5100
## 194	2	2	2	5	25.55	4 5.1100
## 195	1	2	2	1	32.71	5 8.1775
## 196	3	1	1	2	74.29	1 3.7145
## 197	3	1	2	4	43.70	2 4.3700
## 198	1	2	1	5	25.29	1 1.2645
## 199	3	2	2	4	41.50	4 8.3000
## 200	3	1	1	3	71.39	5 17.8475
## 201	3	1	1	6	19.15	6 5.7450
## 202	2	1	1	1	57.49	4 11.4980
## 203	3	2	2	1	61.41	7 21.4935
## 204	2	1	2	4	25.90	10 12.9500
## 205	2	1	2	5	17.77	5 4.4425
## 206	1	2	1	4	23.03	9 10.3635
## 207	3	1	1	1	66.65	9 29.9925
## 208	3	1	1	5	28.53	10 14.2650
## 209	2	2	1	2	30.37	3 4.5555
## 210	2	2	1	1	99.73	9 44.8785
## 211	1	2	2	1	26.23	9 11.8035
## 212	3	2	1	3	93.26	9 41.9670
## 213	2	2	2	5	92.36	5 23.0900
## 214	2	2	2	6	46.42	3 6.9630
## 215	2	1	1	6	29.61	7 10.3635
## 216	1	2	2	5	18.28	1 0.9140
## 217	2	2	1	6	24.77	5 6.1925
## 218	1	1	1	1	94.64	3 14.1960
## 219	2	2	2	2	94.87	8 37.9480
## 220	2	2	1	3	57.34	3 8.6010
## 221	2	2	2	1	45.35	6 13.6050
## 222	2	2	2	3	62.08	7 21.7280
## 223	3	2	2	1	11.81	5 2.9525
## 224	3	1	1	2	12.54	1 0.6270
## 225	1	2	2	3	43.25	2 4.3250
## 226	3	1	1	6	87.16	2 8.7160
## 227	2	1	2	4	69.37	9 31.2165
## 228	3	1	2	1	37.06	4 7.4120
## 229	2	1	1	1	90.70	6 27.2100
## 230	1	2	1	5	63.42	8 25.3680
## 231	2	2	1	2	81.37	2 8.1370
## 232	2	1	1	1	10.59	3 1.5885
## 233	2	2	1	4	84.09	9 37.8405
## 234	2	1	2	2	73.82	4 14.7640
## 235	1	1	2	4	51.94	10 25.9700
## 236	1	2	1	6	93.14	2 9.3140
## 237	3	2	2	4	17.41	5 4.3525
## 238	3	1	1	2	44.22	5 11.0550
## 239	2	1	1	1	13.22	5 3.3050
## 240	1	2	2	2	89.69	1 4.4845
## 241	1	2	2	3	24.94	9 11.2230
## 242	1	2	2	4	59.77	2 5.9770
## 243	3	1	2	2	93.20	2 9.3200
## 244	1	1	2	5	62.65	4 12.5300



## 245	2	2	2	5	93.87	8 37.5480
## 246	1	1	2	5	47.59	8 19.0360
## 247	2	1	1	1	81.40	3 12.2100
## 248	1	1	2	2	17.94	5 4.4850
## 249	1	1	2	1	77.72	4 15.5440
## 250	2	2	2	3	73.06	7 25.5710
## 251	2	1	2	3	46.55	9 20.9475
## 252	3	1	2	2	35.19	10 17.5950
## 253	3	2	1	6	14.39	2 1.4390
## 254	1	2	2	5	23.75	4 4.7500
## 255	1	1	2	5	58.90	8 23.5600
## 256	2	1	2	2	32.62	4 6.5240
## 257	1	1	2	1	66.35	1 3.3175
## 258	1	1	2	5	25.91	6 7.7730
## 259	1	1	2	1	32.25	4 6.4500
## 260	3	1	2	1	65.94	4 13.1880
## 261	1	2	1	1	75.06	9 33.7770
## 262	3	2	1	2	16.45	4 3.2900
## 263	2	1	1	2	38.30	4 7.6600
## 264	1	1	1	6	22.24	10 11.1200
## 265	2	2	2	6	54.45	1 2.7225
## 266	1	1	1	6	98.40	7 34.4400
## 267	3	2	2	5	35.47	4 7.0940
## 268	2	1	1	3	74.60	10 37.3000
## 269	1	1	2	5	70.74	4 14.1480
## 270	1	1	1	5	35.54	10 17.7700
## 271	2	2	1	6	67.43	5 16.8575
## 272	3	1	1	4	21.12	2 2.1120
## 273	1	1	1	5	21.54	9 9.6930
## 274	1	2	1	5	12.03	2 1.2030
## 275	2	2	1	4	99.71	6 29.9130
## 276	2	2	2	2	47.97	7 16.7895
## 277	3	1	1	5	21.82	10 10.9100
## 278	3	2	1	2	95.42	4 19.0840
## 279	3	1	2	2	70.99	10 35.4950
## 280	1	1	2	6	44.02	10 22.0100
## 281	1	2	1	5	69.96	8 27.9840
## 282	3	2	2	5	37.00	1 1.8500
## 283	1	2	1	6	15.34	1 0.7670
## 284	1	1	2	4	99.83	6 29.9490
## 285	1	1	1	4	47.67	4 9.5340
## 286	2	2	2	4	66.68	5 16.6700
## 287	3	1	2	5	74.86	1 3.7430
## 288	3	2	1	6	23.75	9 10.6875
## 289	2	2	1	3	48.51	7 16.9785
## 290	1	1	1	5	94.88	7 33.2080
## 291	2	1	2	1	40.30	10 20.1500
## 292	3	2	2	1	27.85	7 9.7475
## 293	1	1	1	1	62.48	1 3.1240
## 294	1	1	1	3	36.36	2 3.6360
## 295	2	2	2	4	18.11	10 9.0550
## 296	3	1	1	1	51.92	5 12.9800
## 297	3	2	2	1	28.84	4 5.7680
## 298	1	1	2	5	78.38	6 23.5140

## 299	1	1	2	5	60.01	4 12.0020
## 300	3	1	1	5	88.61	1 4.4305
## 301	3	2	2	2	99.82	2 9.9820
## 302	2	1	2	4	39.01	1 1.9505
## 303	3	2	2	3	48.61	1 2.4305
## 304	1	2	1	1	51.19	4 10.2380
## 305	2	2	1	1	14.96	8 5.9840
## 306	1	1	2	1	72.20	7 25.2700
## 307	1	2	1	6	40.23	7 14.0805
## 308	1	1	1	5	88.79	8 35.5160
## 309	1	1	1	1	26.48	3 3.9720
## 310	1	2	1	2	81.91	2 8.1910
## 311	2	1	2	6	79.93	6 23.9790
## 312	3	1	2	2	69.33	2 6.9330
## 313	1	1	1	3	14.23	5 3.5575
## 314	1	1	1	4	15.55	9 6.9975
## 315	3	1	1	1	78.13	10 39.0650
## 316	3	1	2	3	99.37	2 9.9370
## 317	3	1	1	3	21.08	3 3.1620
## 318	3	1	2	1	74.79	5 18.6975
## 319	3	1	1	4	29.67	7 10.3845
## 320	3	1	2	4	44.07	4 8.8140
## 321	3	2	1	3	22.93	9 10.3185
## 322	3	2	1	4	39.42	1 1.9710
## 323	1	2	2	4	15.26	6 4.5780
## 324	1	2	1	2	61.77	5 15.4425
## 325	1	2	2	5	21.52	6 6.4560
## 326	2	2	2	6	97.74	4 19.5480
## 327	1	1	2	3	99.78	5 24.9450
## 328	3	1	2	3	94.26	4 18.8520
## 329	2	1	2	4	51.13	4 10.2260
## 330	1	1	2	1	36.36	4 7.2720
## 331	2	2	2	5	22.02	9 9.9090
## 332	1	2	2	3	32.90	3 4.9350
## 333	1	2	2	2	77.02	5 19.2550
## 334	1	1	2	3	23.48	2 2.3480
## 335	3	1	2	6	14.70	5 3.6750
## 336	1	1	1	1	28.45	5 7.1125
## 337	1	2	2	2	76.40	9 34.3800
## 338	2	2	1	6	57.95	6 17.3850
## 339	3	2	1	1	47.65	3 7.1475
## 340	2	1	1	3	42.82	9 19.2690
## 341	2	1	2	1	48.09	3 7.2135
## 342	2	1	1	4	55.97	7 19.5895
## 343	2	1	1	4	76.90	7 26.9150
## 344	3	2	1	3	97.03	5 24.2575
## 345	1	2	2	6	44.65	3 6.6975
## 346	1	2	1	2	77.93	9 35.0685
## 347	1	1	2	1	71.95	1 3.5975
## 348	3	1	1	5	89.25	8 35.7000
## 349	1	2	2	1	26.02	7 9.1070
## 350	2	2	1	4	13.50	10 6.7500
## 351	3	1	1	2	99.30	10 49.6500
## 352	1	2	2	1	51.69	7 18.0915

## 353	2	1	1	2	54.73	7 19.1555
## 354	2	1	2	5	27.00	9 12.1500
## 355	3	2	1	1	30.24	1 1.5120
## 356	2	1	1	3	89.14	4 17.8280
## 357	3	2	1	2	37.55	10 18.7750
## 358	3	2	1	6	95.44	10 47.7200
## 359	2	2	2	1	27.50	3 4.1250
## 360	2	2	2	6	74.97	1 3.7485
## 361	1	1	2	3	80.96	8 32.3840
## 362	3	2	1	3	94.47	8 37.7880
## 363	3	2	2	3	99.79	2 9.9790
## 364	1	2	2	5	73.22	6 21.9660
## 365	3	2	1	3	41.24	4 8.2480
## 366	3	2	1	2	81.68	4 16.3360
## 367	3	2	1	1	51.32	9 23.0940
## 368	1	1	2	5	65.94	4 13.1880
## 369	3	2	1	6	14.36	10 7.1800
## 370	1	1	2	1	21.50	9 9.6750
## 371	2	1	1	1	26.26	7 9.1910
## 372	2	2	1	2	60.96	2 6.0960
## 373	3	2	1	5	70.11	6 21.0330
## 374	3	2	2	2	42.08	6 12.6240
## 375	1	2	1	5	67.09	5 16.7725
## 376	1	1	1	2	96.70	5 24.1750
## 377	2	1	1	5	35.38	9 15.9210
## 378	3	2	2	6	95.49	7 33.4215
## 379	3	1	2	2	96.98	4 19.3960
## 380	2	2	1	1	23.65	4 4.7300
## 381	1	1	2	6	82.33	4 16.4660
## 382	3	2	1	1	26.61	2 2.6610
## 383	2	2	1	3	99.69	5 24.9225
## 384	3	1	1	3	74.89	4 14.9780
## 385	1	2	1	3	40.94	5 10.2350
## 386	2	1	2	6	75.82	1 3.7910
## 387	3	2	2	3	46.77	6 14.0310
## 388	1	2	1	4	32.32	10 16.1600
## 389	3	1	1	2	54.07	9 24.3315
## 390	2	2	2	3	18.22	7 6.3770
## 391	3	1	1	2	80.48	3 12.0720
## 392	2	2	1	2	37.95	10 18.9750
## 393	1	1	2	1	76.82	1 3.8410
## 394	1	1	1	6	52.26	10 26.1300
## 395	1	2	1	4	79.74	1 3.9870
## 396	1	2	1	4	77.50	5 19.3750
## 397	1	2	1	3	54.27	5 13.5675
## 398	2	2	2	5	13.59	9 6.1155
## 399	2	1	1	4	41.06	6 12.3180
## 400	2	1	2	1	19.24	9 8.6580
## 401	3	2	1	3	39.43	6 11.8290
## 402	3	2	2	5	46.22	4 9.2440
## 403	3	1	2	5	13.98	1 0.6990
## 404	2	2	1	2	39.75	5 9.9375
## 405	3	1	1	2	97.79	7 34.2265
## 406	1	1	2	6	67.26	4 13.4520

## 407	1	2	2	3	13.79	5 3.4475
## 408	2	1	1	2	68.71	4 13.7420
## 409	1	2	1	5	56.53	4 11.3060
## 410	3	2	1	2	23.82	5 5.9550
## 411	2	2	1	4	34.21	10 17.1050
## 412	2	2	2	6	21.87	2 2.1870
## 413	1	1	2	4	20.97	5 5.2425
## 414	1	2	2	6	25.84	3 3.8760
## 415	1	2	2	5	50.93	8 20.3720
## 416	2	2	2	4	96.11	1 4.8055
## 417	3	2	1	5	45.38	4 9.0760
## 418	3	1	1	4	81.51	1 4.0755
## 419	2	2	1	4	57.22	2 5.7220
## 420	1	1	1	1	25.22	7 8.8270
## 421	3	1	1	3	38.60	3 5.7900
## 422	3	2	1	1	84.05	3 12.6075
## 423	3	1	1	2	97.21	10 48.6050
## 424	2	1	2	2	25.42	8 10.1680
## 425	3	2	2	2	16.28	1 0.8140
## 426	2	1	2	2	40.61	9 18.2745
## 427	1	1	2	4	53.17	7 18.6095
## 428	2	1	1	3	20.87	3 3.1305
## 429	2	2	2	6	67.27	5 16.8175
## 430	1	1	1	5	90.65	10 45.3250
## 431	2	2	2	2	69.08	2 6.9080
## 432	3	2	2	3	43.27	2 4.3270
## 433	1	2	1	1	23.46	6 7.0380
## 434	2	2	2	2	95.54	7 33.4390
## 435	2	2	1	2	47.44	1 2.3720
## 436	3	2	2	6	99.24	9 44.6580
## 437	3	1	2	6	82.93	4 16.5860
## 438	1	2	2	5	33.99	6 10.1970
## 439	3	1	2	3	17.04	4 3.4080
## 440	3	2	1	1	40.86	8 16.3440
## 441	3	1	2	3	17.44	5 4.3600
## 442	2	1	1	6	88.43	8 35.3720
## 443	1	1	1	5	89.21	9 40.1445
## 444	3	2	2	2	12.78	1 0.6390
## 445	1	2	1	6	19.10	7 6.6850
## 446	2	1	1	4	19.15	1 0.9575
## 447	3	1	2	3	27.66	10 13.8300
## 448	3	2	2	2	45.74	3 6.8610
## 449	2	1	1	4	27.07	1 1.3535
## 450	2	1	1	6	39.12	1 1.9560
## 451	2	2	1	1	74.71	6 22.4130
## 452	2	2	2	1	22.01	6 6.6030
## 453	1	2	1	3	63.61	5 15.9025
## 454	1	2	2	4	25.00	1 1.2500
## 455	1	1	2	1	20.77	4 4.1540
## 456	2	1	1	2	29.56	5 7.3900
## 457	2	1	1	3	77.40	9 34.8300
## 458	2	2	2	1	79.39	10 39.6950
## 459	3	1	1	1	46.57	10 23.2850
## 460	3	2	2	3	35.89	1 1.7945

## 461	3	2	2	3	40.52	5 10.1300
## 462	2	1	1	3	73.05	10 36.5250
## 463	3	2	1	6	73.95	4 14.7900
## 464	3	1	1	3	22.62	1 1.1310
## 465	1	1	2	3	51.34	5 12.8350
## 466	3	1	1	6	54.55	10 27.2750
## 467	3	1	1	4	37.15	7 13.0025
## 468	2	2	2	6	37.02	6 11.1060
## 469	3	2	2	3	21.58	1 1.0790
## 470	3	1	1	1	98.84	1 4.9420
## 471	3	1	1	5	83.77	6 25.1310
## 472	1	1	1	6	40.05	4 8.0100
## 473	1	1	2	2	43.13	10 21.5650
## 474	2	1	2	4	72.57	8 29.0280
## 475	1	1	1	1	64.44	5 16.1100
## 476	1	2	2	4	65.18	3 9.7770
## 477	1	2	1	6	33.26	5 8.3150
## 478	3	2	2	1	84.07	4 16.8140
## 479	2	2	2	6	34.37	10 17.1850
## 480	1	2	2	1	38.60	1 1.9300
## 481	3	2	2	3	65.97	8 26.3880
## 482	3	2	1	1	32.80	10 16.4000
## 483	1	2	2	6	37.14	5 9.2850
## 484	2	1	2	5	60.38	10 30.1900
## 485	3	1	1	6	36.98	10 18.4900
## 486	2	1	1	6	49.49	4 9.8980
## 487	2	2	1	2	41.09	10 20.5450
## 488	1	2	2	2	37.15	4 7.4300
## 489	3	2	2	5	22.96	1 1.1480
## 490	2	1	1	5	77.68	9 34.9560
## 491	2	2	1	2	34.70	2 3.4700
## 492	1	1	1	2	19.66	10 9.8300
## 493	2	1	1	4	25.32	8 10.1280
## 494	3	1	1	5	12.12	10 6.0600
## 495	2	2	2	2	99.89	2 9.9890
## 496	2	2	2	6	75.92	8 30.3680
## 497	3	2	1	1	63.22	2 6.3220
## 498	3	2	1	3	90.24	6 27.0720
## 499	2	1	1	6	98.13	1 4.9065
## 500	1	1	1	6	51.52	8 20.6080
## 501	2	1	2	6	73.97	1 3.6985
## 502	3	1	1	2	31.90	1 1.5950
## 503	3	2	2	5	69.40	2 6.9400
## 504	2	2	1	6	93.31	2 9.3310
## 505	2	2	2	6	88.45	1 4.4225
## 506	1	1	2	1	24.18	8 9.6720
## 507	2	1	1	6	48.50	3 7.2750
## 508	2	2	1	3	84.05	6 25.2150
## 509	2	1	2	4	61.29	5 15.3225
## 510	3	1	1	5	15.95	6 4.7850
## 511	2	1	1	6	90.74	7 31.7590
## 512	1	2	1	5	42.91	5 10.7275
## 513	1	2	1	2	54.28	7 18.9980
## 514	1	2	2	1	99.55	7 34.8425

## 515	3	1	2	6	58.39	7 20.4365
## 516	3	1	1	2	51.47	1 2.5735
## 517	2	1	2	4	54.86	5 13.7150
## 518	3	1	2	5	39.39	5 9.8475
## 519	1	2	2	5	34.73	2 3.4730
## 520	3	1	2	6	71.92	5 17.9800
## 521	2	2	1	1	45.71	3 6.8565
## 522	3	1	1	5	83.17	6 24.9510
## 523	1	1	1	5	37.44	6 11.2320
## 524	3	2	2	4	62.87	2 6.2870
## 525	1	2	2	3	81.71	6 24.5130
## 526	1	1	1	6	91.41	5 22.8525
## 527	2	2	2	2	39.21	4 7.8420
## 528	2	1	2	2	59.86	2 5.9860
## 529	2	1	1	3	54.36	10 27.1800
## 530	1	2	2	6	98.09	9 44.1405
## 531	1	2	2	4	25.43	6 7.6290
## 532	1	1	2	2	86.68	8 34.6720
## 533	2	2	2	1	22.95	10 11.4750
## 534	3	2	1	3	16.31	9 7.3395
## 535	1	2	1	5	28.32	5 7.0800
## 536	3	2	2	5	16.67	7 5.8345
## 537	2	1	1	2	73.96	1 3.6980
## 538	1	2	2	5	97.94	1 4.8970
## 539	1	2	1	2	73.05	4 14.6100
## 540	3	1	1	3	87.48	6 26.2440
## 541	1	2	2	5	30.68	3 4.6020
## 542	3	1	2	4	75.88	1 3.7940
## 543	2	1	1	6	20.18	4 4.0360
## 544	3	1	2	1	18.77	6 5.6310
## 545	2	2	1	3	71.20	1 3.5600
## 546	2	1	2	5	38.81	4 7.7620
## 547	1	2	1	2	29.42	10 14.7100
## 548	1	2	2	6	60.95	9 27.4275
## 549	2	2	1	6	51.54	5 12.8850
## 550	1	2	1	1	66.06	6 19.8180
## 551	2	2	2	2	57.27	3 8.5905
## 552	2	2	1	2	54.31	9 24.4395
## 553	2	2	1	4	58.24	9 26.2080
## 554	3	2	2	1	22.21	6 6.6630
## 555	1	1	2	1	19.32	7 6.7620
## 556	2	2	2	5	37.48	3 5.6220
## 557	2	1	1	2	72.04	2 7.2040
## 558	3	1	1	3	98.52	10 49.2600
## 559	1	1	2	3	41.66	6 12.4980
## 560	1	1	1	5	72.42	3 10.8630
## 561	2	2	2	1	21.58	9 9.7110
## 562	3	2	2	3	89.20	10 44.6000
## 563	2	2	1	1	42.42	8 16.9680
## 564	1	1	2	1	74.51	6 22.3530
## 565	2	2	2	2	99.25	2 9.9250
## 566	1	2	1	3	81.21	10 40.6050
## 567	3	2	1	6	49.33	10 24.6650
## 568	1	2	1	2	65.74	9 29.5830

## 569	2	2	1	2	79.86	7 27.9510
## 570	3	2	1	6	73.98	7 25.8930
## 571	2	1	1	5	82.04	5 20.5100
## 572	2	1	2	6	26.67	10 13.3350
## 573	1	1	2	3	10.13	7 3.5455
## 574	2	2	2	3	72.39	2 7.2390
## 575	1	2	2	6	85.91	5 21.4775
## 576	2	1	2	2	81.31	7 28.4585
## 577	2	2	2	3	60.30	4 12.0600
## 578	3	2	2	3	31.77	4 6.3540
## 579	1	2	1	4	64.27	4 12.8540
## 580	2	2	2	4	69.51	2 6.9510
## 581	3	2	2	3	27.22	3 4.0830
## 582	1	1	1	4	77.68	4 15.5360
## 583	3	1	1	2	92.98	2 9.2980
## 584	2	1	1	2	18.08	4 3.6160
## 585	2	2	2	6	63.06	3 9.4590
## 586	1	2	2	4	51.71	4 10.3420
## 587	1	2	1	3	52.34	3 7.8510
## 588	1	2	1	6	43.06	5 10.7650
## 589	3	2	2	2	59.61	10 29.8050
## 590	1	2	2	4	14.62	5 3.6550
## 591	3	1	2	4	46.53	6 13.9590
## 592	3	1	1	5	24.24	7 8.4840
## 593	1	1	1	6	45.58	1 2.2790
## 594	1	1	1	6	75.20	3 11.2800
## 595	2	1	2	6	96.80	3 14.5200
## 596	2	2	2	4	14.82	3 2.2230
## 597	1	2	2	3	52.20	3 7.8300
## 598	3	2	1	6	46.66	9 20.9970
## 599	3	2	1	2	36.85	5 9.2125
## 600	1	1	1	5	70.32	2 7.0320
## 601	3	2	2	1	83.08	1 4.1540
## 602	3	2	1	2	64.99	1 3.2495
## 603	3	2	2	3	77.56	10 38.7800
## 604	2	2	1	6	54.51	6 16.3530
## 605	3	1	1	2	51.89	7 18.1615
## 606	2	2	2	5	31.75	4 6.3500
## 607	1	1	1	2	53.65	7 18.7775
## 608	3	1	1	3	49.79	4 9.9580
## 609	1	2	2	2	30.61	1 1.5305
## 610	2	1	2	3	57.89	2 5.7890
## 611	1	2	1	1	28.96	1 1.4480
## 612	3	1	1	3	98.97	9 44.5365
## 613	2	1	2	2	93.22	3 13.9830
## 614	3	1	2	6	80.93	1 4.0465
## 615	1	1	2	3	67.45	10 33.7250
## 616	1	1	1	6	38.72	9 17.4240
## 617	2	1	2	6	72.60	6 21.7800
## 618	3	1	2	1	87.91	5 21.9775
## 619	1	1	2	3	98.53	6 29.5590
## 620	3	1	1	2	43.46	6 13.0380
## 621	1	2	1	3	71.68	3 10.7520
## 622	1	1	1	3	91.61	1 4.5805

## 623	2	1	1	5	94.59	7 33.1065
## 624	2	2	1	2	83.25	10 41.6250
## 625	2	1	2	2	91.35	1 4.5675
## 626	2	1	1	3	78.88	2 7.8880
## 627	1	2	2	6	60.87	2 6.0870
## 628	2	1	2	4	82.58	10 41.2900
## 629	1	1	2	5	53.30	3 7.9950
## 630	1	2	1	2	12.09	1 0.6045
## 631	1	2	2	6	64.19	10 32.0950
## 632	1	2	2	1	78.31	3 11.7465
## 633	1	1	2	3	83.77	2 8.3770
## 634	2	2	2	5	99.70	3 14.9550
## 635	2	1	2	3	79.91	3 11.9865
## 636	2	1	2	4	66.47	10 33.2350
## 637	1	2	2	4	28.95	7 10.1325
## 638	3	2	1	1	46.20	1 2.3100
## 639	2	1	1	3	17.63	5 4.4075
## 640	2	2	2	2	52.42	3 7.8630
## 641	2	1	1	3	98.79	3 14.8185
## 642	3	1	1	1	88.55	8 35.4200
## 643	2	1	2	1	55.67	2 5.5670
## 644	3	1	1	3	72.52	8 29.0080
## 645	3	1	2	1	12.05	5 3.0125
## 646	1	1	2	5	19.36	9 8.7120
## 647	3	2	2	4	70.21	6 21.0630
## 648	2	1	2	2	33.63	1 1.6815
## 649	3	1	1	6	15.49	2 1.5490
## 650	3	2	2	1	24.74	10 12.3700
## 651	2	2	2	1	75.66	5 18.9150
## 652	2	2	1	4	55.81	6 16.7430
## 653	1	1	2	5	72.78	10 36.3900
## 654	2	1	2	6	37.32	9 16.7940
## 655	2	1	2	2	60.18	4 12.0360
## 656	1	2	1	1	15.69	3 2.3535
## 657	3	2	1	1	99.69	1 4.9845
## 658	1	1	1	2	88.15	3 13.2225
## 659	1	1	1	6	27.93	5 6.9825
## 660	1	1	2	2	55.45	1 2.7725
## 661	2	2	1	6	42.97	3 6.4455
## 662	3	1	2	6	17.14	7 5.9990
## 663	2	1	1	2	58.75	6 17.6250
## 664	3	1	1	3	87.10	10 43.5500
## 665	3	2	1	6	98.80	2 9.8800
## 666	1	2	1	2	48.63	4 9.7260
## 667	2	1	2	3	57.74	3 8.6610
## 668	2	2	1	4	17.97	4 3.5940
## 669	3	1	1	4	47.71	6 14.3130
## 670	2	2	1	6	40.62	2 4.0620
## 671	1	1	2	2	56.04	10 28.0200
## 672	2	1	2	3	93.40	2 9.3400
## 673	2	2	1	4	73.41	3 11.0115
## 674	3	2	2	4	33.64	8 13.4560
## 675	1	2	1	1	45.48	10 22.7400
## 676	2	1	2	2	83.77	2 8.3770



## 677	2	1	1	6	64.08	7 22.4280
## 678	1	1	1	3	73.47	4 14.6940
## 679	3	2	2	4	58.95	10 29.4750
## 680	1	1	2	3	48.50	6 14.5500
## 681	2	1	1	1	39.48	1 1.9740
## 682	2	2	1	6	34.81	1 1.7405
## 683	3	2	1	2	49.32	6 14.7960
## 684	1	1	2	2	21.48	2 2.1480
## 685	2	1	1	6	23.08	6 6.9240
## 686	2	1	1	5	49.10	2 4.9100
## 687	2	1	1	6	64.83	2 6.4830
## 688	1	1	2	5	63.56	10 31.7800
## 689	3	1	2	6	72.88	2 7.2880
## 690	1	2	1	3	67.10	3 10.0650
## 691	3	1	1	6	70.19	9 31.5855
## 692	3	1	2	3	55.04	7 19.2640
## 693	1	1	2	4	48.63	10 24.3150
## 694	3	1	1	2	73.38	7 25.6830
## 695	3	2	1	3	52.60	9 23.6700
## 696	1	1	1	5	87.37	5 21.8425
## 697	1	1	1	6	27.04	4 5.4080
## 698	2	2	2	5	62.19	4 12.4380
## 699	1	1	2	1	69.58	9 31.3110
## 700	3	2	2	5	97.50	10 48.7500
## 701	3	2	1	2	60.41	8 24.1640
## 702	2	2	2	3	32.32	3 4.8480
## 703	2	1	1	2	19.77	10 9.8850
## 704	2	1	2	4	80.47	9 36.2115
## 705	2	1	1	5	88.39	9 39.7755
## 706	2	2	2	4	71.77	7 25.1195
## 707	2	2	1	1	43.00	4 8.6000
## 708	3	1	2	3	68.98	1 3.4490
## 709	3	2	2	2	15.62	8 6.2480
## 710	1	2	2	6	25.70	3 3.8550
## 711	1	1	2	3	80.62	6 24.1860
## 712	3	1	1	5	75.53	4 15.1060
## 713	3	2	1	1	77.63	9 34.9335
## 714	3	2	1	4	13.85	9 6.2325
## 715	3	1	2	2	98.70	8 39.4800
## 716	1	2	1	4	35.68	5 8.9200
## 717	1	1	1	2	71.46	7 25.0110
## 718	1	1	2	1	11.94	3 1.7910
## 719	1	2	2	2	45.38	3 6.8070
## 720	2	1	1	2	17.48	6 5.2440
## 721	2	2	1	2	25.56	7 8.9460
## 722	3	1	1	6	90.63	9 40.7835
## 723	2	2	2	5	44.12	3 6.6180
## 724	3	1	1	3	36.77	7 12.8695
## 725	2	1	2	3	23.34	4 4.6680
## 726	3	1	1	4	28.50	8 11.4000
## 727	3	1	2	5	55.57	3 8.3355
## 728	2	2	2	6	69.74	10 34.8700
## 729	3	2	2	2	97.26	4 19.4520
## 730	2	1	1	5	52.18	7 18.2630

## 731	1	1	1	2	22.32	4 4.4640
## 732	1	2	2	4	56.00	3 8.4000
## 733	1	1	2	2	19.70	1 0.9850
## 734	2	2	2	1	75.88	7 26.5580
## 735	2	1	2	3	53.72	1 2.6860
## 736	3	1	2	4	81.95	10 40.9750
## 737	3	1	1	5	81.20	7 28.4200
## 738	3	2	2	1	58.76	10 29.3800
## 739	2	1	2	1	91.56	8 36.6240
## 740	1	2	2	5	93.96	9 42.2820
## 741	3	2	2	5	55.61	7 19.4635
## 742	3	2	2	3	84.83	1 4.2415
## 743	1	1	1	6	71.63	2 7.1630
## 744	1	1	2	5	37.69	2 3.7690
## 745	3	1	1	6	31.67	8 12.6680
## 746	3	1	1	3	38.42	1 1.9210
## 747	2	1	2	2	65.23	10 32.6150
## 748	3	1	1	5	10.53	5 2.6325
## 749	2	1	1	5	12.29	9 5.5305
## 750	3	1	2	4	81.23	7 28.4305
## 751	2	1	1	2	22.32	4 4.4640
## 752	1	2	1	3	27.28	5 6.8200
## 753	1	1	1	1	17.42	10 8.7100
## 754	2	2	2	5	73.28	5 18.3200
## 755	3	1	1	2	84.87	3 12.7305
## 756	1	2	1	2	97.29	8 38.9160
## 757	2	1	1	1	35.74	8 14.2960
## 758	1	2	1	5	96.52	6 28.9560
## 759	1	1	2	3	18.85	10 9.4250
## 760	1	2	1	3	55.39	4 11.0780
## 761	2	1	1	3	77.20	10 38.6000
## 762	2	2	2	1	72.13	10 36.0650
## 763	1	1	1	2	63.88	8 25.5520
## 764	1	1	1	4	10.69	5 2.6725
## 765	1	1	2	4	55.50	4 11.1000
## 766	2	2	1	5	95.46	8 38.1840
## 767	3	2	1	2	76.06	3 11.4090
## 768	2	2	2	6	13.69	6 4.1070
## 769	2	2	1	1	95.64	4 19.1280
## 770	1	2	1	5	11.43	6 3.4290
## 771	2	1	1	6	95.54	4 19.1080
## 772	3	1	1	4	85.87	7 30.0545
## 773	3	1	1	6	67.99	7 23.7965
## 774	3	2	1	3	52.42	1 2.6210
## 775	3	1	2	3	65.65	2 6.5650
## 776	2	2	1	3	28.86	5 7.2150
## 777	3	1	2	4	65.31	7 22.8585
## 778	2	2	2	6	93.38	1 4.6690
## 779	3	1	2	6	25.25	5 6.3125
## 780	2	1	2	1	87.87	9 39.5415
## 781	3	2	2	4	21.80	8 8.7200
## 782	1	2	1	6	94.76	4 18.9520
## 783	1	1	1	2	30.62	1 1.5310
## 784	3	2	1	5	44.01	8 17.6040

## 785	3	1	1	4	10.16	5 2.5400
## 786	1	2	2	1	74.58	7 26.1030
## 787	3	2	2	1	71.89	8 28.7560
## 788	3	2	1	4	10.99	5 2.7475
## 789	3	1	2	4	60.47	3 9.0705
## 790	1	2	2	6	58.91	7 20.6185
## 791	1	2	2	2	46.41	1 2.3205
## 792	3	1	2	4	68.55	4 13.7100
## 793	2	2	1	5	97.37	10 48.6850
## 794	1	1	2	1	92.60	7 32.4100
## 795	1	2	1	1	46.61	2 4.6610
## 796	2	2	2	2	27.18	2 2.7180
## 797	3	1	1	5	60.87	1 3.0435
## 798	1	1	1	6	24.49	10 12.2450
## 799	2	2	2	4	92.78	1 4.6390
## 800	3	1	2	5	86.69	5 21.6725
## 801	2	2	2	6	23.01	6 6.9030
## 802	3	1	1	1	30.20	8 12.0800
## 803	3	1	2	2	67.39	7 23.5865
## 804	1	1	1	2	48.96	9 22.0320
## 805	2	1	1	1	75.59	9 34.0155
## 806	1	2	1	5	77.47	4 15.4940
## 807	1	2	1	6	93.18	2 9.3180
## 808	1	2	1	1	50.23	4 10.0460
## 809	2	2	1	4	17.75	1 0.8875
## 810	3	2	1	2	62.18	10 31.0900
## 811	2	2	2	4	10.75	8 4.3000
## 812	1	2	1	1	40.26	10 20.1300
## 813	3	1	1	6	64.97	5 16.2425
## 814	1	2	2	1	95.15	1 4.7575
## 815	1	1	1	1	48.62	8 19.4480
## 816	2	2	1	3	53.21	8 21.2840
## 817	3	2	1	2	45.44	7 15.9040
## 818	1	2	2	3	33.88	8 13.5520
## 819	2	1	2	4	96.16	4 19.2320
## 820	2	1	2	3	47.16	5 11.7900
## 821	2	2	2	1	52.89	4 10.5780
## 822	1	1	1	5	47.68	2 4.7680
## 823	3	1	2	6	10.17	1 0.5085
## 824	1	2	1	4	68.71	3 10.3065
## 825	2	1	1	6	60.08	7 21.0280
## 826	1	1	1	6	22.01	4 4.4020
## 827	2	1	1	4	72.11	9 32.4495
## 828	1	1	2	2	41.28	3 6.1920
## 829	3	2	2	1	64.95	10 32.4750
## 830	1	1	1	1	74.22	10 37.1100
## 831	1	2	2	1	10.56	8 4.2240
## 832	2	2	2	4	62.57	4 12.5140
## 833	2	1	1	6	11.85	8 4.7400
## 834	1	1	2	4	91.30	1 4.5650
## 835	2	1	1	5	40.73	7 14.2555
## 836	1	2	2	2	52.38	1 2.6190
## 837	1	1	2	2	38.54	5 9.6350
## 838	2	2	2	6	44.63	6 13.3890

## 839	3	2	2	1	55.87	10 27.9350
## 840	3	1	1	6	29.22	6 8.7660
## 841	1	2	2	2	51.94	3 7.7910
## 842	2	2	2	1	60.30	1 3.0150
## 843	1	1	1	6	39.47	2 3.9470
## 844	3	1	1	3	14.87	2 1.4870
## 845	1	2	2	2	21.32	1 1.0660
## 846	1	1	2	1	93.78	3 14.0670
## 847	1	1	2	1	73.26	1 3.6630
## 848	3	2	1	6	22.38	1 1.1190
## 849	3	1	1	3	72.88	9 32.7960
## 850	1	2	1	2	99.10	6 29.7300
## 851	1	2	2	2	74.10	1 3.7050
## 852	1	2	1	2	98.48	2 9.8480
## 853	3	2	2	4	53.19	7 18.6165
## 854	2	2	1	1	52.79	10 26.3950
## 855	1	1	1	4	95.95	5 23.9875
## 856	2	2	1	2	36.51	9 16.4295
## 857	2	2	2	3	21.12	8 8.4480
## 858	1	1	1	5	28.31	4 5.6620
## 859	2	2	2	4	57.59	6 17.2770
## 860	1	1	1	3	47.63	9 21.4335
## 861	3	1	1	5	86.27	1 4.3135
## 862	1	1	2	6	12.76	2 1.2760
## 863	2	2	1	5	11.28	9 5.0760
## 864	2	2	1	5	51.07	7 17.8745
## 865	1	1	1	1	79.59	3 11.9385
## 866	3	1	2	4	33.81	3 5.0715
## 867	2	1	2	6	90.53	8 36.2120
## 868	3	1	1	4	62.82	2 6.2820
## 869	3	1	2	3	24.31	3 3.6465
## 870	1	2	2	6	64.59	4 12.9180
## 871	1	1	2	3	24.82	7 8.6870
## 872	3	2	2	2	56.50	1 2.8250
## 873	2	1	1	1	21.43	10 10.7150
## 874	1	1	2	6	89.06	6 26.7180
## 875	1	1	2	5	23.29	4 4.6580
## 876	3	2	2	5	65.26	8 26.1040
## 877	3	1	2	2	52.35	1 2.6175
## 878	2	1	2	1	39.75	1 1.9875
## 879	1	2	1	1	90.02	8 36.0080
## 880	2	1	1	1	12.10	8 4.8400
## 881	2	1	1	3	33.21	10 16.6050
## 882	3	1	1	2	10.18	8 4.0720
## 883	2	1	2	6	31.99	10 15.9950
## 884	1	1	1	5	34.42	6 10.3260
## 885	1	1	1	3	83.34	2 8.3340
## 886	1	2	2	6	45.58	7 15.9530
## 887	1	1	2	3	87.90	1 4.3950
## 888	1	1	1	1	73.47	10 36.7350
## 889	3	2	1	2	12.19	8 4.8760
## 890	1	1	2	6	76.92	10 38.4600
## 891	3	2	1	4	83.66	5 20.9150
## 892	2	2	1	1	57.91	8 23.1640

## 893	3	1	1	2	92.49	5 23.1225
## 894	2	2	2	1	28.38	5 7.0950
## 895	2	1	2	1	50.45	6 15.1350
## 896	2	2	2	4	99.16	8 39.6640
## 897	3	2	2	2	60.74	7 21.2590
## 898	3	1	1	3	47.27	6 14.1810
## 899	3	1	2	4	85.60	7 29.9600
## 900	1	1	2	3	35.04	9 15.7680
## 901	3	1	1	1	44.84	9 20.1780
## 902	2	2	2	5	45.97	4 9.1940
## 903	1	1	1	4	27.73	5 6.9325
## 904	1	2	2	3	11.53	7 4.0355
## 905	3	2	1	4	58.32	2 5.8320
## 906	3	1	1	5	78.38	4 15.6760
## 907	3	2	2	4	84.61	10 42.3050
## 908	2	2	1	4	82.88	5 20.7200
## 909	1	1	1	3	79.54	2 7.9540
## 910	2	2	1	5	49.01	10 24.5050
## 911	2	1	1	3	29.15	3 4.3725
## 912	3	2	1	1	56.13	4 11.2260
## 913	1	2	1	5	93.12	8 37.2480
## 914	1	1	2	2	51.34	8 20.5360
## 915	1	1	1	3	99.60	3 14.9400
## 916	3	2	1	1	35.49	6 10.6470
## 917	3	1	2	6	42.85	1 2.1425
## 918	1	2	1	2	94.67	4 18.9340
## 919	2	2	2	5	68.97	3 10.3455
## 920	2	1	1	1	26.26	3 3.9390
## 921	3	1	1	5	35.79	9 16.1055
## 922	2	2	1	5	16.37	6 4.9110
## 923	3	1	1	5	12.73	2 1.2730
## 924	3	2	1	6	83.14	7 29.0990
## 925	3	1	1	6	35.22	6 10.5660
## 926	2	2	1	1	13.78	4 2.7560
## 927	2	1	2	6	88.31	1 4.4155
## 928	1	1	1	4	39.62	9 17.8290
## 929	2	2	1	1	88.25	9 39.7125
## 930	2	2	2	6	25.31	2 2.5310
## 931	2	2	2	5	99.92	6 29.9760
## 932	3	1	1	2	83.35	2 8.3350
## 933	1	2	1	3	74.44	10 37.2200
## 934	3	2	2	4	64.08	7 22.4280
## 935	2	2	1	5	63.15	6 18.9450
## 936	3	1	2	5	85.72	3 12.8580
## 937	3	2	1	4	78.89	7 27.6115
## 938	1	2	1	6	89.48	5 22.3700
## 939	1	1	1	4	92.09	3 13.8135
## 940	3	2	1	3	57.29	6 17.1870
## 941	1	2	2	3	66.52	4 13.3040
## 942	3	1	2	2	99.82	9 44.9190
## 943	1	2	1	5	45.68	10 22.8400
## 944	1	2	2	4	50.79	5 12.6975
## 945	1	1	2	4	10.08	7 3.5280
## 946	1	2	1	1	93.88	7 32.8580

## 947	3	1	2	1	84.25	2 8.4250
## 948	2	1	2	2	53.78	1 2.6890
## 949	3	1	2	5	35.81	5 8.9525
## 950	2	2	1	3	26.43	8 10.5720
## 951	2	1	2	4	39.91	3 5.9865
## 952	2	1	1	5	21.90	3 3.2850
## 953	2	1	1	3	62.85	4 12.5700
## 954	3	1	1	3	21.04	4 4.2080
## 955	2	1	2	5	65.91	6 19.7730
## 956	1	2	1	2	42.57	7 14.8995
## 957	3	1	2	3	50.49	9 22.7205
## 958	2	2	2	1	46.02	6 13.8060
## 959	3	2	1	5	15.80	10 7.9000
## 960	1	1	1	3	98.66	9 44.3970
## 961	3	1	2	2	91.98	1 4.5990
## 962	1	1	2	1	20.89	2 2.0890
## 963	1	2	1	2	15.50	1 0.7750
## 964	3	1	2	1	96.82	3 14.5230
## 965	2	2	2	3	33.33	2 3.3330
## 966	2	2	1	1	38.27	2 3.8270
## 967	1	2	1	5	33.30	9 14.9850
## 968	1	1	2	5	81.01	3 12.1515
## 969	1	2	1	4	15.80	3 2.3700
## 970	2	1	1	1	34.49	5 8.6225
## 971	2	1	1	3	84.63	10 42.3150
## 972	2	1	2	5	36.91	7 12.9185
## 973	2	2	2	1	87.08	7 30.4780
## 974	1	2	2	5	80.08	3 12.0120
## 975	3	2	2	2	86.13	2 8.6130
## 976	2	1	2	2	49.92	2 4.9920
## 977	1	2	1	3	74.66	4 14.9320
## 978	2	1	2	3	26.60	6 7.9800
## 979	2	2	1	1	25.45	1 1.2725
## 980	2	2	1	3	67.77	1 3.3885
## 981	3	1	2	3	59.59	4 11.9180
## 982	1	2	2	4	58.15	4 11.6300
## 983	1	1	1	6	97.48	9 43.8660
## 984	3	2	2	4	99.96	7 34.9860
## 985	3	2	2	1	96.37	7 33.7295
## 986	2	2	1	2	63.71	5 15.9275
## 987	2	2	1	4	14.76	2 1.4760
## 988	2	1	2	4	62.00	8 24.8000
## 989	3	1	2	1	82.34	10 41.1700
## 990	2	1	2	4	75.37	8 30.1480
## 991	1	2	1	3	56.56	5 14.1400
## 992	2	2	1	6	76.60	10 38.3000
## 993	1	2	2	1	58.03	2 5.8030
## 994	2	2	2	2	17.49	10 8.7450
## 995	3	1	1	1	60.95	1 3.0475
## 996	3	2	2	4	40.35	1 2.0175
## 997	2	2	1	5	97.38	10 48.6900
## 998	1	1	2	3	31.84	1 1.5920
## 999	1	2	2	5	65.82	1 3.2910
## 1000	1	1	1	2	88.34	7 30.9190

##	Payment	cogs	gross income	Rating
## 1	3	522.83	26.1415	9.1
## 2	1	76.40	3.8200	9.6
## 3	2	324.31	16.2155	7.4
## 4	3	465.76	23.2880	8.4
## 5	3	604.17	30.2085	5.3
## 6	3	597.73	29.8865	4.1
## 7	3	413.04	20.6520	5.8
## 8	3	735.60	36.7800	8.0
## 9	2	72.52	3.6260	7.2
## 10	2	164.52	8.2260	5.9
## 11	3	57.92	2.8960	4.5
## 12	1	102.04	5.1020	6.8
## 13	3	234.75	11.7375	7.1
## 14	3	431.90	21.5950	8.2
## 15	1	713.80	35.6900	5.7
## 16	1	562.32	28.1160	4.5
## 17	2	482.51	24.1255	4.6
## 18	2	435.66	21.7830	6.9
## 19	2	164.01	8.2005	8.6
## 20	3	80.60	4.0300	4.4
## 21	3	430.20	21.5100	4.8
## 22	3	263.94	13.1970	5.1
## 23	2	66.40	3.3200	4.4
## 24	3	172.80	8.6400	9.9
## 25	3	265.89	13.2945	6.0
## 26	2	420.72	21.0360	8.5
## 27	1	33.52	1.6760	6.7
## 28	2	175.34	8.7670	7.7
## 29	1	441.80	22.0900	9.6
## 30	1	224.01	11.2005	7.4
## 31	2	470.65	23.5325	4.8
## 32	1	702.63	35.1315	4.5
## 33	1	670.24	33.5120	5.1
## 34	2	193.16	9.6580	5.1
## 35	3	397.68	19.8840	7.5
## 36	3	68.12	3.4060	6.8
## 37	3	313.10	15.6550	7.0
## 38	3	547.92	27.3960	4.7
## 39	3	439.36	21.9680	7.6
## 40	1	240.96	12.0480	7.7
## 41	3	86.72	4.3360	7.9
## 42	1	112.22	5.6110	6.3
## 43	1	414.72	20.7360	5.6
## 44	1	789.60	39.4800	7.6
## 45	1	30.74	1.5370	7.2
## 46	1	375.84	18.7920	9.5
## 47	2	510.21	25.5105	8.4
## 48	3	180.09	9.0045	4.1
## 49	2	113.58	5.6790	8.1
## 50	3	826.30	41.3150	7.9
## 51	1	639.80	31.9900	9.5
## 52	1	222.95	11.1475	8.5
## 53	3	71.48	3.5740	6.5

## 54	2	15.43	0.7715	6.1
## 55	3	32.32	1.6160	6.5
## 56	1	687.84	34.3920	8.2
## 57	1	88.68	4.4340	5.8
## 58	3	716.80	35.8400	6.6
## 59	1	723.50	36.1750	5.4
## 60	1	183.66	9.1830	9.3
## 61	2	74.22	3.7110	10.0
## 62	3	334.38	16.7190	7.0
## 63	3	495.63	24.7815	10.0
## 64	2	158.10	7.9050	8.6
## 65	1	302.96	15.1480	7.6
## 66	1	158.70	7.9350	5.8
## 67	3	66.94	3.3470	6.7
## 68	3	585.66	29.2830	9.9
## 69	1	787.70	39.3850	6.4
## 70	1	18.33	0.9165	4.3
## 71	2	894.80	44.7400	9.6
## 72	1	621.20	31.0600	5.9
## 73	3	145.56	7.2780	4.0
## 74	1	455.46	22.7730	8.7
## 75	3	672.03	33.6015	9.4
## 76	2	416.50	20.8250	5.4
## 77	2	441.36	22.0680	8.6
## 78	2	180.09	9.0045	5.7
## 79	3	783.10	39.1550	6.6
## 80	1	101.90	5.0950	6.0
## 81	2	595.14	29.7570	5.5
## 82	3	290.04	14.5020	6.4
## 83	3	154.00	7.7000	6.6
## 84	2	321.44	16.0720	8.3
## 85	1	244.55	12.2275	6.6
## 86	3	581.42	29.0710	4.0
## 87	1	382.60	19.1300	9.9
## 88	2	345.66	17.2830	7.3
## 89	1	42.47	2.1235	5.7
## 90	1	461.94	23.0970	6.1
## 91	1	189.52	9.4760	7.1
## 92	3	448.60	22.4300	8.2
## 93	3	153.86	7.6930	5.1
## 94	2	579.24	28.9620	8.6
## 95	2	89.75	4.4875	6.6
## 96	3	97.16	4.8580	7.2
## 97	3	878.70	43.9350	5.1
## 98	1	74.70	3.7350	4.1
## 99	3	158.25	7.9125	9.3
## 100	1	496.20	24.8100	7.4
## 101	1	48.71	2.4355	4.1
## 102	1	706.95	35.3475	7.2
## 103	1	207.63	10.3815	4.9
## 104	1	349.56	17.4780	9.9
## 105	1	212.45	10.6225	8.0
## 106	3	886.70	44.3350	7.3
## 107	2	164.28	8.2140	7.9



## 108	1	372.78	18.6390	7.4
## 109	1	305.82	15.2910	4.2
## 110	1	819.70	40.9850	9.2
## 111	3	32.98	1.6490	4.6
## 112	2	294.63	14.7315	7.8
## 113	1	509.88	25.4940	8.4
## 114	3	522.63	26.1315	4.3
## 115	2	727.11	36.3555	9.5
## 116	2	81.06	4.0530	7.1
## 117	3	109.70	5.4850	5.3
## 118	3	51.36	2.5680	5.2
## 119	3	109.60	5.4800	6.0
## 120	3	106.88	5.3440	4.1
## 121	2	796.48	39.8240	5.2
## 122	2	399.84	19.9920	6.5
## 123	2	899.64	44.9820	4.2
## 124	2	511.28	25.5640	4.6
## 125	3	451.76	22.5880	7.3
## 126	2	655.83	32.7915	4.5
## 127	1	161.25	8.0625	9.0
## 128	2	285.57	14.2785	5.9
## 129	3	548.32	27.4160	8.5
## 130	3	812.52	40.6260	7.2
## 131	1	277.34	13.8670	7.5
## 132	1	552.78	27.6390	8.3
## 133	1	139.36	6.9680	7.4
## 134	2	524.70	26.2350	8.8
## 135	3	487.80	24.3900	5.3
## 136	1	270.66	13.5330	6.2
## 137	2	131.55	6.5775	8.8
## 138	1	206.52	10.3260	9.8
## 139	1	519.10	25.9550	8.2
## 140	3	580.00	29.0000	9.2
## 141	2	898.00	44.9000	5.4
## 142	1	905.00	45.2500	8.1
## 143	1	686.00	34.3000	9.1
## 144	2	30.41	1.5205	8.4
## 145	3	467.70	23.3850	8.0
## 146	2	277.56	13.8780	9.5
## 147	3	301.40	15.0700	9.2
## 148	2	264.56	13.2280	5.6
## 149	2	574.88	28.7440	6.2
## 150	2	259.68	12.9840	4.9
## 151	2	366.16	18.3080	4.8
## 152	2	241.92	12.0960	7.3
## 153	2	749.16	37.4580	7.4
## 154	3	98.88	4.9440	9.9
## 155	1	647.76	32.3880	9.3
## 156	2	461.45	23.0725	9.0
## 157	1	72.17	3.6085	6.1
## 158	3	251.40	12.5700	9.7
## 159	3	874.98	43.7490	6.0
## 160	3	560.34	28.0170	10.0
## 161	2	345.44	17.2720	8.3

## 162	1	63.69	3.1845	6.0
## 163	2	320.53	16.0265	7.0
## 164	3	152.80	7.6400	6.5
## 165	2	399.00	19.9500	5.9
## 166	3	340.56	17.0280	5.6
## 167	1	955.80	47.7900	4.8
## 168	2	989.80	49.4900	8.7
## 169	1	307.68	15.3840	6.5
## 170	2	486.64	24.3320	8.5
## 171	3	350.05	17.5025	5.5
## 172	2	400.25	20.0125	9.4
## 173	1	166.80	8.3400	6.3
## 174	2	317.34	15.8670	9.8
## 175	3	158.32	7.9160	8.7
## 176	3	304.56	15.2280	8.8
## 177	2	177.36	8.8680	9.6
## 178	2	157.57	7.8785	4.8
## 179	3	443.28	22.1640	4.4
## 180	3	260.40	13.0200	9.9
## 181	1	449.82	22.4910	5.7
## 182	1	307.76	15.3880	7.7
## 183	3	155.00	7.7500	8.0
## 184	3	274.48	13.7240	5.7
## 185	2	86.38	4.3190	6.7
## 186	3	54.24	2.7120	8.0
## 187	3	755.92	37.7960	7.5
## 188	1	185.88	9.2940	7.0
## 189	3	74.07	3.7035	9.9
## 190	2	279.24	13.9620	5.9
## 191	2	231.12	11.5560	7.2
## 192	3	147.04	7.3520	4.6
## 193	1	790.20	39.5100	9.2
## 194	3	102.20	5.1100	5.7
## 195	2	163.55	8.1775	9.9
## 196	1	74.29	3.7145	5.0
## 197	1	87.40	4.3700	4.9
## 198	3	25.29	1.2645	6.1
## 199	2	166.00	8.3000	8.2
## 200	2	356.95	17.8475	5.5
## 201	2	114.90	5.7450	6.8
## 202	1	229.96	11.4980	6.6
## 203	1	429.87	21.4935	9.8
## 204	3	259.00	12.9500	8.7
## 205	2	88.85	4.4425	5.4
## 206	3	207.27	10.3635	7.9
## 207	2	599.85	29.9925	9.7
## 208	3	285.30	14.2650	7.8
## 209	3	91.11	4.5555	5.1
## 210	2	897.57	44.8785	6.5
## 211	3	236.07	11.8035	5.9
## 212	1	839.34	41.9670	8.8
## 213	3	461.80	23.0900	4.9
## 214	2	139.26	6.9630	4.4
## 215	1	207.27	10.3635	6.5

## 216	2	18.28	0.9140	8.3
## 217	1	123.85	6.1925	8.5
## 218	1	283.92	14.1960	5.5
## 219	3	758.96	37.9480	8.7
## 220	2	172.02	8.6010	7.9
## 221	3	272.10	13.6050	6.1
## 222	3	434.56	21.7280	5.4
## 223	1	59.05	2.9525	9.4
## 224	1	12.54	0.6270	8.2
## 225	1	86.50	4.3250	6.2
## 226	2	174.32	8.7160	9.7
## 227	3	624.33	31.2165	4.0
## 228	3	148.24	7.4120	9.7
## 229	1	544.20	27.2100	5.3
## 230	3	507.36	25.3680	7.4
## 231	1	162.74	8.1370	6.5
## 232	2	31.77	1.5885	8.7
## 233	1	756.81	37.8405	8.0
## 234	1	295.28	14.7640	6.7
## 235	3	519.40	25.9700	6.5
## 236	3	186.28	9.3140	4.1
## 237	2	87.05	4.3525	4.9
## 238	2	221.10	11.0550	8.6
## 239	1	66.10	3.3050	4.3
## 240	3	89.69	4.4845	4.9
## 241	2	224.46	11.2230	5.6
## 242	2	119.54	5.9770	5.8
## 243	2	186.40	9.3200	6.0
## 244	1	250.60	12.5300	4.2
## 245	2	750.96	37.5480	8.3
## 246	1	380.72	19.0360	5.7
## 247	1	244.20	12.2100	4.8
## 248	3	89.70	4.4850	6.8
## 249	2	310.88	15.5440	8.8
## 250	2	511.42	25.5710	4.2
## 251	3	418.95	20.9475	6.4
## 252	2	351.90	17.5950	8.4
## 253	2	28.78	1.4390	7.2
## 254	1	95.00	4.7500	5.2
## 255	1	471.20	23.5600	8.9
## 256	1	130.48	6.5240	9.0
## 257	2	66.35	3.3175	9.7
## 258	3	155.46	7.7730	8.7
## 259	3	129.00	6.4500	6.5
## 260	2	263.76	13.1880	6.9
## 261	3	675.54	33.7770	6.2
## 262	3	65.80	3.2900	5.6
## 263	1	153.20	7.6600	5.7
## 264	1	222.40	11.1200	4.2
## 265	3	54.45	2.7225	7.9
## 266	2	688.80	34.4400	8.7
## 267	2	141.88	7.0940	6.9
## 268	1	746.00	37.3000	9.5
## 269	2	282.96	14.1480	4.4

## 270	3	355.40	17.7700	7.0
## 271	3	337.15	16.8575	6.3
## 272	1	42.24	2.1120	9.7
## 273	2	193.86	9.6930	8.8
## 274	1	24.06	1.2030	5.1
## 275	3	598.26	29.9130	7.9
## 276	1	335.79	16.7895	6.2
## 277	1	218.20	10.9100	7.1
## 278	3	381.68	19.0840	6.4
## 279	1	709.90	35.4950	5.7
## 280	2	440.20	22.0100	9.6
## 281	2	559.68	27.9840	6.4
## 282	2	37.00	1.8500	7.9
## 283	1	15.34	0.7670	6.5
## 284	3	598.98	29.9490	8.5
## 285	1	190.68	9.5340	9.1
## 286	1	333.40	16.6700	7.6
## 287	1	74.86	3.7430	6.9
## 288	1	213.75	10.6875	9.5
## 289	2	339.57	16.9785	5.2
## 290	1	664.16	33.2080	4.2
## 291	2	403.00	20.1500	7.0
## 292	3	194.95	9.7475	6.0
## 293	1	62.48	3.1240	4.7
## 294	1	72.72	3.6360	7.1
## 295	3	181.10	9.0550	5.9
## 296	1	259.60	12.9800	7.5
## 297	1	115.36	5.7680	6.4
## 298	3	470.28	23.5140	5.8
## 299	1	240.04	12.0020	4.5
## 300	1	88.61	4.4305	7.7
## 301	2	199.64	9.9820	6.7
## 302	2	39.01	1.9505	4.7
## 303	1	48.61	2.4305	4.4
## 304	2	204.76	10.2380	4.7
## 305	1	119.68	5.9840	8.6
## 306	3	505.40	25.2700	4.3
## 307	1	281.61	14.0805	9.6
## 308	1	710.32	35.5160	4.1
## 309	3	79.44	3.9720	4.7
## 310	1	163.82	8.1910	7.8
## 311	1	479.58	23.9790	5.5
## 312	3	138.66	6.9330	9.7
## 313	2	71.15	3.5575	4.4
## 314	1	139.95	6.9975	5.0
## 315	1	781.30	39.0650	4.4
## 316	1	198.74	9.9370	5.2
## 317	1	63.24	3.1620	7.3
## 318	1	373.95	18.6975	4.9
## 319	2	207.69	10.3845	8.1
## 320	3	176.28	8.8140	8.4
## 321	1	206.37	10.3185	5.5
## 322	1	39.42	1.9710	8.4
## 323	3	91.56	4.5780	9.8

## 324	1	308.85	15.4425	6.7
## 325	2	129.12	6.4560	9.4
## 326	3	390.96	19.5480	6.4
## 327	1	498.90	24.9450	5.4
## 328	1	377.04	18.8520	8.6
## 329	2	204.52	10.2260	4.0
## 330	1	145.44	7.2720	7.6
## 331	1	198.18	9.9090	6.8
## 332	2	98.70	4.9350	9.1
## 333	1	385.10	19.2550	5.5
## 334	2	46.96	2.3480	7.9
## 335	3	73.50	3.6750	8.5
## 336	2	142.25	7.1125	9.1
## 337	3	687.60	34.3800	7.5
## 338	1	347.70	17.3850	5.2
## 339	2	142.95	7.1475	9.5
## 340	2	385.38	19.2690	8.9
## 341	2	144.27	7.2135	7.8
## 342	3	391.79	19.5895	8.9
## 343	1	538.30	26.9150	7.7
## 344	3	485.15	24.2575	9.3
## 345	1	133.95	6.6975	6.2
## 346	3	701.37	35.0685	7.6
## 347	1	71.95	3.5975	7.3
## 348	1	714.00	35.7000	4.7
## 349	1	182.14	9.1070	5.1
## 350	2	135.00	6.7500	4.8
## 351	2	993.00	49.6500	6.6
## 352	1	361.83	18.0915	5.5
## 353	2	383.11	19.1555	8.5
## 354	1	243.00	12.1500	4.8
## 355	1	30.24	1.5120	8.4
## 356	2	356.56	17.8280	7.8
## 357	2	375.50	18.7750	9.3
## 358	1	954.40	47.7200	5.2
## 359	3	82.50	4.1250	6.5
## 360	1	74.97	3.7485	5.6
## 361	2	647.68	32.3840	7.4
## 362	1	755.76	37.7880	9.1
## 363	3	199.58	9.9790	8.0
## 364	1	439.32	21.9660	7.2
## 365	1	164.96	8.2480	7.1
## 366	1	326.72	16.3360	9.1
## 367	1	461.88	23.0940	5.6
## 368	1	263.76	13.1880	6.0
## 369	1	143.60	7.1800	5.4
## 370	2	193.50	9.6750	7.8
## 371	1	183.82	9.1910	9.9
## 372	2	121.92	6.0960	4.9
## 373	3	420.66	21.0330	5.2
## 374	1	252.48	12.6240	8.9
## 375	2	335.45	16.7725	9.1
## 376	3	483.50	24.1750	7.0
## 377	2	318.42	15.9210	9.6

## 378	3 668.43	33.4215	8.7
## 379	3 387.92	19.3960	9.4
## 380	2 94.60	4.7300	4.0
## 381	2 329.32	16.4660	7.5
## 382	1 53.22	2.6610	4.2
## 383	1 498.45	24.9225	9.9
## 384	3 299.56	14.9780	4.2
## 385	3 204.70	10.2350	9.9
## 386	1 75.82	3.7910	5.8
## 387	1 280.62	14.0310	6.0
## 388	2 323.20	16.1600	10.0
## 389	3 486.63	24.3315	9.5
## 390	2 127.54	6.3770	6.6
## 391	1 241.44	12.0720	8.1
## 392	1 379.50	18.9750	9.7
## 393	3 76.82	3.8410	7.2
## 394	2 522.60	26.1300	6.2
## 395	3 79.74	3.9870	7.3
## 396	3 387.50	19.3750	4.3
## 397	3 271.35	13.5675	4.6
## 398	1 122.31	6.1155	5.8
## 399	2 246.36	12.3180	8.3
## 400	1 173.16	8.6580	8.0
## 401	2 236.58	11.8290	9.4
## 402	2 184.88	9.2440	6.2
## 403	3 13.98	0.6990	9.8
## 404	3 198.75	9.9375	9.6
## 405	3 684.53	34.2265	4.9
## 406	2 269.04	13.4520	8.0
## 407	2 68.95	3.4475	7.8
## 408	1 274.84	13.7420	4.1
## 409	3 226.12	11.3060	5.5
## 410	3 119.10	5.9550	5.4
## 411	1 342.10	17.1050	5.1
## 412	3 43.74	2.1870	6.9
## 413	1 104.85	5.2425	7.8
## 414	3 77.52	3.8760	6.6
## 415	3 407.44	20.3720	9.2
## 416	3 96.11	4.8055	7.8
## 417	2 181.52	9.0760	8.7
## 418	3 81.51	4.0755	9.2
## 419	3 114.44	5.7220	8.3
## 420	1 176.54	8.8270	8.2
## 421	3 115.80	5.7900	7.5
## 422	1 252.15	12.6075	9.8
## 423	2 972.10	48.6050	8.7
## 424	2 203.36	10.1680	6.7
## 425	1 16.28	0.8140	5.0
## 426	1 365.49	18.2745	7.0
## 427	1 372.19	18.6095	8.9
## 428	2 62.61	3.1305	8.0
## 429	1 336.35	16.8175	6.9
## 430	3 906.50	45.3250	7.3
## 431	2 138.16	6.9080	6.9

## 432	3	86.54	4.3270	5.7
## 433	3	140.76	7.0380	6.4
## 434	2	668.78	33.4390	9.6
## 435	2	47.44	2.3720	6.8
## 436	3	893.16	44.6580	9.0
## 437	3	331.72	16.5860	9.6
## 438	2	203.94	10.1970	7.7
## 439	3	68.16	3.4080	7.0
## 440	2	326.88	16.3440	6.5
## 441	1	87.20	4.3600	8.1
## 442	2	707.44	35.3720	4.3
## 443	2	802.89	40.1445	6.5
## 444	3	12.78	0.6390	9.5
## 445	1	133.70	6.6850	9.7
## 446	2	19.15	0.9575	9.5
## 447	2	276.60	13.8300	8.9
## 448	2	137.22	6.8610	6.5
## 449	2	27.07	1.3535	5.3
## 450	2	39.12	1.9560	9.6
## 451	1	448.26	22.4130	6.7
## 452	1	132.06	6.6030	7.6
## 453	3	318.05	15.9025	4.8
## 454	3	25.00	1.2500	5.5
## 455	1	83.08	4.1540	4.7
## 456	1	147.80	7.3900	6.9
## 457	2	696.60	34.8300	4.5
## 458	1	793.90	39.6950	6.2
## 459	1	465.70	23.2850	7.6
## 460	2	35.89	1.7945	7.9
## 461	1	202.60	10.1300	4.5
## 462	2	730.50	36.5250	8.7
## 463	1	295.80	14.7900	6.1
## 464	1	22.62	1.1310	6.4
## 465	2	256.70	12.8350	9.1
## 466	2	545.50	27.2750	7.1
## 467	2	260.05	13.0025	7.7
## 468	1	222.12	11.1060	4.5
## 469	3	21.58	1.0790	7.2
## 470	1	98.84	4.9420	8.4
## 471	3	502.62	25.1310	5.4
## 472	1	160.20	8.0100	9.7
## 473	2	431.30	21.5650	5.5
## 474	1	580.56	29.0280	4.6
## 475	1	322.20	16.1100	6.6
## 476	2	195.54	9.7770	6.3
## 477	2	166.30	8.3150	4.2
## 478	3	336.28	16.8140	4.4
## 479	3	343.70	17.1850	6.7
## 480	3	38.60	1.9300	6.7
## 481	1	527.76	26.3880	8.4
## 482	1	328.00	16.4000	6.2
## 483	3	185.70	9.2850	5.0
## 484	1	603.80	30.1900	6.0
## 485	2	369.80	18.4900	7.0

## 486	3	197.96	9.8980	6.6
## 487	1	410.90	20.5450	7.3
## 488	3	148.60	7.4300	8.3
## 489	1	22.96	1.1480	4.3
## 490	3	699.12	34.9560	9.8
## 491	3	69.40	3.4700	8.2
## 492	2	196.60	9.8300	7.2
## 493	3	202.56	10.1280	8.7
## 494	2	121.20	6.0600	8.4
## 495	3	199.78	9.9890	7.1
## 496	1	607.36	30.3680	5.5
## 497	1	126.44	6.3220	8.5
## 498	1	541.44	27.0720	6.2
## 499	1	98.13	4.9065	8.9
## 500	1	412.16	20.6080	9.6
## 501	2	73.97	3.6985	5.4
## 502	3	31.90	1.5950	9.1
## 503	3	138.80	6.9400	9.0
## 504	1	186.62	9.3310	6.3
## 505	2	88.45	4.4225	9.5
## 506	3	193.44	9.6720	9.8
## 507	1	145.50	7.2750	6.7
## 508	2	504.30	25.2150	7.7
## 509	1	306.45	15.3225	7.0
## 510	2	95.70	4.7850	5.1
## 511	2	635.18	31.7590	6.2
## 512	3	214.55	10.7275	6.1
## 513	3	379.96	18.9980	9.3
## 514	1	696.85	34.8425	7.6
## 515	2	408.73	20.4365	8.2
## 516	3	51.47	2.5735	8.5
## 517	3	274.30	13.7150	9.8
## 518	2	196.95	9.8475	8.7
## 519	3	69.46	3.4730	9.7
## 520	2	359.60	17.9800	4.3
## 521	2	137.13	6.8565	7.7
## 522	1	499.02	24.9510	7.3
## 523	2	224.64	11.2320	5.9
## 524	1	125.74	6.2870	5.0
## 525	2	490.26	24.5130	8.0
## 526	3	457.05	22.8525	7.1
## 527	2	156.84	7.8420	9.0
## 528	3	119.72	5.9860	6.7
## 529	2	543.60	27.1800	6.1
## 530	1	882.81	44.1405	9.3
## 531	3	152.58	7.6290	7.0
## 532	2	693.44	34.6720	7.2
## 533	3	229.50	11.4750	8.2
## 534	3	146.79	7.3395	8.4
## 535	3	141.60	7.0800	6.2
## 536	3	116.69	5.8345	7.4
## 537	2	73.96	3.6980	5.0
## 538	3	97.94	4.8970	6.9
## 539	2	292.20	14.6100	4.9



## 540	3	524.88	26.2440	5.1
## 541	3	92.04	4.6020	9.1
## 542	2	75.88	3.7940	7.1
## 543	2	80.72	4.0360	5.0
## 544	2	112.62	5.6310	5.5
## 545	2	71.20	3.5600	9.2
## 546	3	155.24	7.7620	4.9
## 547	3	294.20	14.7100	8.9
## 548	2	548.55	27.4275	6.0
## 549	1	257.70	12.8850	4.2
## 550	1	396.36	19.8180	7.3
## 551	3	171.81	8.5905	6.5
## 552	1	488.79	24.4395	8.9
## 553	1	524.16	26.2080	9.7
## 554	2	133.26	6.6630	8.6
## 555	1	135.24	6.7620	6.9
## 556	2	112.44	5.6220	7.7
## 557	1	144.08	7.2040	9.5
## 558	3	985.20	49.2600	4.5
## 559	3	249.96	12.4980	5.6
## 560	3	217.26	10.8630	8.2
## 561	1	194.22	9.7110	7.3
## 562	2	892.00	44.6000	4.4
## 563	3	339.36	16.9680	5.7
## 564	3	447.06	22.3530	5.0
## 565	1	198.50	9.9250	9.0
## 566	2	812.10	40.6050	6.3
## 567	2	493.30	24.6650	9.4
## 568	1	591.66	29.5830	7.7
## 569	2	559.02	27.9510	5.5
## 570	3	517.86	25.8930	4.1
## 571	2	410.20	20.5100	7.6
## 572	1	266.70	13.3350	8.6
## 573	3	70.91	3.5455	8.3
## 574	2	144.78	7.2390	8.1
## 575	2	429.55	21.4775	8.6
## 576	3	569.17	28.4585	6.3
## 577	1	241.20	12.0600	5.8
## 578	3	127.08	6.3540	6.2
## 579	1	257.08	12.8540	7.7
## 580	3	139.02	6.9510	8.1
## 581	1	81.66	4.0830	7.3
## 582	1	310.72	15.5360	8.4
## 583	2	185.96	9.2980	8.0
## 584	2	72.32	3.6160	9.5
## 585	3	189.18	9.4590	7.0
## 586	2	206.84	10.3420	9.8
## 587	1	157.02	7.8510	9.2
## 588	3	215.30	10.7650	7.7
## 589	1	596.10	29.8050	5.3
## 590	1	73.10	3.6550	4.4
## 591	2	279.18	13.9590	4.3
## 592	3	169.68	8.4840	9.4
## 593	1	45.58	2.2790	9.8

## 594	3	225.60	11.2800	4.8
## 595	1	290.40	14.5200	5.3
## 596	2	44.46	2.2230	8.7
## 597	2	156.60	7.8300	9.5
## 598	3	419.94	20.9970	5.3
## 599	1	184.25	9.2125	9.2
## 600	3	140.64	7.0320	9.6
## 601	3	83.08	4.1540	6.4
## 602	2	64.99	3.2495	4.5
## 603	3	775.60	38.7800	6.9
## 604	3	327.06	16.3530	7.8
## 605	1	363.23	18.1615	4.5
## 606	1	127.00	6.3500	8.6
## 607	3	375.55	18.7775	5.2
## 608	2	199.16	9.9580	6.4
## 609	3	30.61	1.5305	5.2
## 610	3	115.78	5.7890	8.9
## 611	2	28.96	1.4480	6.2
## 612	1	890.73	44.5365	6.7
## 613	1	279.66	13.9830	7.2
## 614	2	80.93	4.0465	9.0
## 615	3	674.50	33.7250	4.2
## 616	3	348.48	17.4240	4.2
## 617	1	435.60	21.7800	6.9
## 618	3	439.55	21.9775	4.4
## 619	2	591.18	29.5590	4.0
## 620	3	260.76	13.0380	8.5
## 621	2	215.04	10.7520	9.2
## 622	1	91.61	4.5805	9.8
## 623	2	662.13	33.1065	4.9
## 624	2	832.50	41.6250	4.4
## 625	1	91.35	4.5675	6.8
## 626	1	157.76	7.8880	9.1
## 627	3	121.74	6.0870	8.7
## 628	1	825.80	41.2900	5.0
## 629	3	159.90	7.9950	7.5
## 630	2	12.09	0.6045	8.2
## 631	2	641.90	32.0950	6.7
## 632	3	234.93	11.7465	5.4
## 633	2	167.54	8.3770	7.0
## 634	3	299.10	14.9550	4.7
## 635	2	239.73	11.9865	5.0
## 636	2	664.70	33.2350	5.0
## 637	2	202.65	10.1325	6.0
## 638	1	46.20	2.3100	6.3
## 639	1	88.15	4.4075	8.5
## 640	3	157.26	7.8630	7.5
## 641	3	296.37	14.8185	6.4
## 642	3	708.40	35.4200	4.7
## 643	3	111.34	5.5670	6.0
## 644	2	580.16	29.0080	4.0
## 645	3	60.25	3.0125	5.5
## 646	3	174.24	8.7120	8.7
## 647	1	421.26	21.0630	7.4

## 648	1	33.63	1.6815	5.6
## 649	1	30.98	1.5490	6.3
## 650	1	247.40	12.3700	7.1
## 651	3	378.30	18.9150	7.8
## 652	1	334.86	16.7430	9.9
## 653	1	727.80	36.3900	7.3
## 654	3	335.88	16.7940	5.1
## 655	2	240.72	12.0360	9.4
## 656	2	47.07	2.3535	5.8
## 657	2	99.69	4.9845	8.0
## 658	3	264.45	13.2225	7.9
## 659	1	139.65	6.9825	5.9
## 660	2	55.45	2.7725	4.9
## 661	1	128.91	6.4455	9.3
## 662	2	119.98	5.9990	7.9
## 663	2	352.50	17.6250	5.9
## 664	2	871.00	43.5500	9.9
## 665	1	197.60	9.8800	7.7
## 666	3	194.52	9.7260	7.6
## 667	3	173.22	8.6610	7.7
## 668	3	71.88	3.5940	6.4
## 669	3	286.26	14.3130	4.4
## 670	2	81.24	4.0620	4.1
## 671	3	560.40	28.0200	4.4
## 672	1	186.80	9.3400	5.5
## 673	3	220.23	11.0115	4.0
## 674	2	269.12	13.4560	9.3
## 675	2	454.80	22.7400	4.8
## 676	1	167.54	8.3770	4.6
## 677	2	448.56	22.4280	7.3
## 678	1	293.88	14.6940	6.0
## 679	3	589.50	29.4750	8.1
## 680	3	291.00	14.5500	9.4
## 681	1	39.48	1.9740	6.5
## 682	2	34.81	1.7405	7.0
## 683	3	295.92	14.7960	7.1
## 684	3	42.96	2.1480	6.6
## 685	3	138.48	6.9240	4.9
## 686	2	98.20	4.9100	6.4
## 687	2	129.66	6.4830	8.0
## 688	1	635.60	31.7800	4.3
## 689	1	145.76	7.2880	6.1
## 690	1	201.30	10.0650	7.5
## 691	1	631.71	31.5855	6.7
## 692	3	385.28	19.2640	5.2
## 693	1	486.30	24.3150	8.8
## 694	1	513.66	25.6830	9.5
## 695	1	473.40	23.6700	7.6
## 696	1	436.85	21.8425	6.6
## 697	3	108.16	5.4080	6.9
## 698	3	248.76	12.4380	4.3
## 699	2	626.22	31.3110	7.8
## 700	3	975.00	48.7500	8.0
## 701	3	483.28	24.1640	9.6

## 702	2	96.96	4.8480	4.3
## 703	2	197.70	9.8850	5.0
## 704	1	724.23	36.2115	9.2
## 705	1	795.51	39.7755	6.3
## 706	1	502.39	25.1195	8.9
## 707	3	172.00	8.6000	7.6
## 708	1	68.98	3.4490	4.8
## 709	3	124.96	6.2480	9.1
## 710	3	77.10	3.8550	6.1
## 711	1	483.72	24.1860	9.1
## 712	3	302.12	15.1060	8.3
## 713	3	698.67	34.9335	7.2
## 714	3	124.65	6.2325	6.0
## 715	3	789.60	39.4800	8.5
## 716	2	178.40	8.9200	6.6
## 717	3	500.22	25.0110	4.5
## 718	2	35.82	1.7910	8.1
## 719	2	136.14	6.8070	7.2
## 720	2	104.88	5.2440	6.1
## 721	1	178.92	8.9460	7.1
## 722	1	815.67	40.7835	5.1
## 723	2	132.36	6.6180	7.9
## 724	1	257.39	12.8695	7.4
## 725	3	93.36	4.6680	7.4
## 726	1	228.00	11.4000	6.6
## 727	2	166.71	8.3355	5.9
## 728	2	697.40	34.8700	8.9
## 729	3	389.04	19.4520	6.8
## 730	1	365.26	18.2630	9.3
## 731	2	89.28	4.4640	4.4
## 732	3	168.00	8.4000	4.8
## 733	3	19.70	0.9850	9.5
## 734	3	531.16	26.5580	8.9
## 735	3	53.72	2.6860	6.4
## 736	2	819.50	40.9750	6.0
## 737	2	568.40	28.4200	8.1
## 738	3	587.60	29.3800	9.0
## 739	3	732.48	36.6240	6.0
## 740	1	845.64	42.2820	9.8
## 741	1	389.27	19.4635	8.5
## 742	3	84.83	4.2415	8.8
## 743	3	143.26	7.1630	8.8
## 744	3	75.38	3.7690	9.5
## 745	2	253.36	12.6680	5.6
## 746	1	38.42	1.9210	8.6
## 747	2	652.30	32.6150	5.2
## 748	2	52.65	2.6325	5.8
## 749	2	110.61	5.5305	8.0
## 750	1	568.61	28.4305	9.0
## 751	3	89.28	4.4640	4.1
## 752	2	136.40	6.8200	8.6
## 753	3	174.20	8.7100	7.0
## 754	3	366.40	18.3200	8.4
## 755	3	254.61	12.7305	7.4

## 756	2	778.32	38.9160	6.2
## 757	3	285.92	14.2960	4.9
## 758	1	579.12	28.9560	4.5
## 759	3	188.50	9.4250	5.6
## 760	3	221.56	11.0780	8.0
## 761	2	772.00	38.6000	5.6
## 762	2	721.30	36.0650	4.2
## 763	3	511.04	25.5520	9.9
## 764	3	53.45	2.6725	7.6
## 765	2	222.00	11.1000	6.6
## 766	3	763.68	38.1840	4.7
## 767	2	228.18	11.4090	9.8
## 768	1	82.14	4.1070	6.3
## 769	1	382.56	19.1280	7.9
## 770	1	68.58	3.4290	7.7
## 771	3	382.16	19.1080	4.5
## 772	2	601.09	30.0545	8.0
## 773	3	475.93	23.7965	5.7
## 774	2	52.42	2.6210	6.3
## 775	1	131.30	6.5650	6.0
## 776	2	144.30	7.2150	8.0
## 777	2	457.17	22.8585	4.2
## 778	1	93.38	4.6690	9.6
## 779	1	126.25	6.3125	6.1
## 780	3	790.83	39.5415	5.6
## 781	1	174.40	8.7200	8.3
## 782	3	379.04	18.9520	7.8
## 783	2	30.62	1.5310	4.1
## 784	1	352.08	17.6040	8.8
## 785	3	50.80	2.5400	4.1
## 786	2	522.06	26.1030	9.0
## 787	3	575.12	28.7560	5.5
## 788	2	54.95	2.7475	9.3
## 789	2	181.41	9.0705	5.6
## 790	3	412.37	20.6185	9.7
## 791	2	46.41	2.3205	4.0
## 792	2	274.20	13.7100	9.2
## 793	2	973.70	48.6850	4.9
## 794	2	648.20	32.4100	9.3
## 795	2	93.22	4.6610	6.6
## 796	3	54.36	2.7180	4.3
## 797	1	60.87	3.0435	5.5
## 798	1	244.90	12.2450	8.1
## 799	2	92.78	4.6390	9.8
## 800	3	433.45	21.6725	9.4
## 801	3	138.06	6.9030	7.9
## 802	3	241.60	12.0800	5.1
## 803	3	471.73	23.5865	6.9
## 804	1	440.64	22.0320	8.0
## 805	1	680.31	34.0155	8.0
## 806	1	309.88	15.4940	4.2
## 807	2	186.36	9.3180	8.5
## 808	1	200.92	10.0460	9.0
## 809	1	17.75	0.8875	8.6

## 810	3	621.80	31.0900	6.0
## 811	3	86.00	4.3000	6.2
## 812	2	402.60	20.1300	5.0
## 813	2	324.85	16.2425	6.5
## 814	1	95.15	4.7575	6.0
## 815	1	388.96	19.4480	5.0
## 816	3	425.68	21.2840	5.0
## 817	1	318.08	15.9040	9.2
## 818	3	271.04	13.5520	9.6
## 819	2	384.64	19.2320	8.4
## 820	2	235.80	11.7900	6.0
## 821	3	211.56	10.5780	6.7
## 822	2	95.36	4.7680	4.1
## 823	1	10.17	0.5085	5.9
## 824	1	206.13	10.3065	8.7
## 825	2	420.56	21.0280	4.5
## 826	2	88.04	4.4020	6.6
## 827	2	648.99	32.4495	7.7
## 828	2	123.84	6.1920	8.5
## 829	1	649.50	32.4750	5.2
## 830	2	742.20	37.1100	4.3
## 831	1	84.48	4.2240	7.6
## 832	1	250.28	12.5140	9.5
## 833	1	94.80	4.7400	4.1
## 834	3	91.30	4.5650	9.2
## 835	3	285.11	14.2555	5.4
## 836	1	52.38	2.6190	5.8
## 837	3	192.70	9.6350	5.6
## 838	2	267.78	13.3890	5.1
## 839	1	558.70	27.9350	5.8
## 840	3	175.32	8.7660	5.0
## 841	1	155.82	7.7910	7.9
## 842	1	60.30	3.0150	6.0
## 843	2	78.94	3.9470	5.0
## 844	2	29.74	1.4870	8.9
## 845	1	21.32	1.0660	5.9
## 846	2	281.34	14.0670	5.9
## 847	3	73.26	3.6630	9.7
## 848	2	22.38	1.1190	8.6
## 849	1	655.92	32.7960	4.0
## 850	1	594.60	29.7300	4.2
## 851	1	74.10	3.7050	9.2
## 852	3	196.96	9.8480	9.2
## 853	3	372.33	18.6165	5.0
## 854	3	527.90	26.3950	10.0
## 855	3	479.75	23.9875	8.8
## 856	1	328.59	16.4295	4.2
## 857	1	168.96	8.4480	6.3
## 858	1	113.24	5.6620	8.2
## 859	1	345.54	17.2770	5.1
## 860	1	428.67	21.4335	5.0
## 861	3	86.27	4.3135	7.0
## 862	3	25.52	1.2760	7.8
## 863	2	101.52	5.0760	4.3

## 864	1	357.49	17.8745	7.0
## 865	1	238.77	11.9385	6.6
## 866	3	101.43	5.0715	7.3
## 867	2	724.24	36.2120	6.5
## 868	3	125.64	6.2820	4.9
## 869	2	72.93	3.6465	4.3
## 870	3	258.36	12.9180	9.3
## 871	2	173.74	8.6870	7.1
## 872	3	56.50	2.8250	9.6
## 873	1	214.30	10.7150	6.2
## 874	1	534.36	26.7180	9.9
## 875	2	93.16	4.6580	5.9
## 876	3	522.08	26.1040	6.3
## 877	1	52.35	2.6175	4.0
## 878	1	39.75	1.9875	6.1
## 879	2	720.16	36.0080	4.5
## 880	3	96.80	4.8400	8.6
## 881	3	332.10	16.6050	6.0
## 882	2	81.44	4.0720	9.5
## 883	2	319.90	15.9950	9.9
## 884	3	206.52	10.3260	7.5
## 885	1	166.68	8.3340	7.6
## 886	1	319.06	15.9530	5.0
## 887	3	87.90	4.3950	6.7
## 888	3	734.70	36.7350	9.5
## 889	3	97.52	4.8760	6.8
## 890	3	769.20	38.4600	5.6
## 891	1	418.30	20.9150	7.2
## 892	1	463.28	23.1640	8.1
## 893	2	462.45	23.1225	8.6
## 894	1	141.90	7.0950	9.4
## 895	2	302.70	15.1350	8.9
## 896	2	793.28	39.6640	4.2
## 897	3	425.18	21.2590	5.0
## 898	1	283.62	14.1810	8.8
## 899	1	599.20	29.9600	5.3
## 900	3	315.36	15.7680	4.6
## 901	2	403.56	20.1780	7.5
## 902	3	183.88	9.1940	5.1
## 903	2	138.65	6.9325	4.2
## 904	1	80.71	4.0355	8.1
## 905	3	116.64	5.8320	6.0
## 906	1	313.52	15.6760	7.9
## 907	2	846.10	42.3050	8.8
## 908	2	414.40	20.7200	6.6
## 909	3	159.08	7.9540	6.2
## 910	2	490.10	24.5050	4.2
## 911	2	87.45	4.3725	7.3
## 912	3	224.52	11.2260	8.6
## 913	1	744.96	37.2480	6.8
## 914	3	410.72	20.5360	7.6
## 915	1	298.80	14.9400	5.8
## 916	1	212.94	10.6470	4.1
## 917	2	42.85	2.1425	9.3

## 918	1	378.68	18.9340	6.8
## 919	3	206.91	10.3455	8.7
## 920	3	78.78	3.9390	6.3
## 921	2	322.11	16.1055	5.1
## 922	1	98.22	4.9110	7.0
## 923	2	25.46	1.2730	5.2
## 924	2	581.98	29.0990	6.6
## 925	3	211.32	10.5660	6.5
## 926	3	55.12	2.7560	9.0
## 927	2	88.31	4.4155	5.2
## 928	2	356.58	17.8290	6.8
## 929	2	794.25	39.7125	7.6
## 930	3	50.62	2.5310	7.2
## 931	3	599.52	29.9760	7.1
## 932	2	166.70	8.3350	9.5
## 933	3	744.40	37.2200	5.1
## 934	3	448.56	22.4280	7.6
## 935	3	378.90	18.9450	9.8
## 936	3	257.16	12.8580	5.1
## 937	3	552.23	27.6115	7.5
## 938	1	447.40	22.3700	7.4
## 939	1	276.27	13.8135	4.2
## 940	3	343.74	17.1870	5.9
## 941	3	266.08	13.3040	6.9
## 942	1	898.38	44.9190	6.6
## 943	3	456.80	22.8400	5.7
## 944	2	253.95	12.6975	5.3
## 945	1	70.56	3.5280	4.2
## 946	2	657.16	32.8580	7.3
## 947	2	168.50	8.4250	5.3
## 948	3	53.78	2.6890	4.7
## 949	3	179.05	8.9525	7.9
## 950	3	211.44	10.5720	8.9
## 951	3	119.73	5.9865	9.3
## 952	3	65.70	3.2850	4.7
## 953	3	251.40	12.5700	8.7
## 954	1	84.16	4.2080	7.6
## 955	1	395.46	19.7730	5.7
## 956	1	297.99	14.8995	6.8
## 957	1	454.41	22.7205	5.4
## 958	1	276.12	13.8060	7.1
## 959	1	158.00	7.9000	7.8
## 960	1	887.94	44.3970	8.4
## 961	1	91.98	4.5990	9.8
## 962	1	41.78	2.0890	9.8
## 963	2	15.50	0.7750	7.4
## 964	1	290.46	14.5230	6.7
## 965	2	66.66	3.3330	6.4
## 966	2	76.54	3.8270	5.8
## 967	3	299.70	14.9850	7.2
## 968	2	243.03	12.1515	9.3
## 969	1	47.40	2.3700	9.5
## 970	2	172.45	8.6225	9.0
## 971	2	846.30	42.3150	9.0



## 972	3	258.37	12.9185	6.7
## 973	1	609.56	30.4780	5.5
## 974	1	240.24	12.0120	5.4
## 975	1	172.26	8.6130	8.2
## 976	2	99.84	4.9920	7.0
## 977	1	298.64	14.9320	8.5
## 978	3	159.60	7.9800	4.9
## 979	2	25.45	1.2725	5.1
## 980	2	67.77	3.3885	6.5
## 981	1	238.36	11.9180	9.8
## 982	1	232.60	11.6300	8.4
## 983	3	877.32	43.8660	7.4
## 984	1	699.72	34.9860	6.1
## 985	1	674.59	33.7295	6.0
## 986	3	318.55	15.9275	8.5
## 987	3	29.52	1.4760	4.3
## 988	2	496.00	24.8000	6.2
## 989	3	823.40	41.1700	4.3
## 990	2	602.96	30.1480	8.4
## 991	2	282.80	14.1400	4.5
## 992	3	766.00	38.3000	6.0
## 993	3	116.06	5.8030	8.8
## 994	3	174.90	8.7450	6.6
## 995	3	60.95	3.0475	5.9
## 996	3	40.35	2.0175	6.2
## 997	3	973.80	48.6900	4.4
## 998	1	31.84	1.5920	7.7
## 999	1	65.82	3.2910	4.1
## 1000	1	618.38	30.9190	6.6

```
# Computing correlation and covariance matrix without gross margin percentage
# covariance
#
covariance = cov(carrefour)
covariance
```

##	Branch	Customer type	Gender	Product line	Unit price
## Branch	0.66852452	-0.008020020	-0.023035035	-0.075651652	0.6109465
## Customer type	-0.00802002	0.250249249	0.010009009	-0.031579580	-0.2682311
## Gender	-0.02303504	0.010009009	0.250249249	0.004456456	0.2047018
## Product line	-0.07565165	-0.031579580	0.004456456	2.942638639	0.8781254
## Unit price	0.61094651	-0.268231101	0.204701832	0.878125365	701.9653313
## Quantity	0.03815816	-0.024514515	-0.108598599	0.101581582	0.8347785
## Tax	0.39296139	-0.115215346	-0.289650782	0.635116829	196.6683401
## Payment	-0.03402202	0.007508509	0.018519520	0.042590591	-0.3507529
## cogs	7.85922779	-2.304306927	-5.793015636	12.702336577	3933.3668019
## gross income	0.39296139	-0.115215346	-0.289650782	0.635116829	196.6683401
## Rating	0.01438679	0.016238939	0.004126827	-0.060520921	-0.3996675
##	Quantity	Tax	Payment	cogs	gross income
## Branch	0.03815816	0.3929614	-0.034022022	7.859228	0.3929614
## Customer type	-0.02451451	-0.1152153	0.007508509	-2.304307	-0.1152153
## Gender	-0.10859860	-0.2896508	0.018519520	-5.793016	-0.2896508
## Product line	0.10158158	0.6351168	0.042590591	12.702337	0.6351168
## Unit price	0.83477848	196.6683401	-0.350752883	3933.366802	196.6683401

```
## Quantity      8.54644645   24.1495704 -0.009519520   482.991408   24.1495704
## Tax           24.14957038  137.0965941 -0.120903272   2741.931883  137.0965941
## Payment       -0.00951952   -0.1209033  0.689688689    -2.418065   -0.1209033
## cogs          482.99140761 2741.9318829 -2.418065445 54838.637658 2741.9318829
## gross income  24.14957038  137.0965941 -0.120903272   2741.931883  137.0965941
## Rating        -0.07945646   -0.7333003 -0.007680380   -14.666006   -0.7333003
##              Rating
## Branch         0.014386787
## Customer type   0.016238939
## Gender          0.004126827
## Product line    -0.060520921
## Unit price      -0.399667519
## Quantity        -0.079456456
## Tax             -0.733300277
## Payment         -0.007680380
## cogs            -14.666005532
## gross income    -0.733300277
## Rating          2.953518228
```

```
print('-----')
```

```
## [1] "-----"
```

```
# correlation
#
correlation = cor(carrefour)
correlation
```

```
##              Branch Customer type      Gender Product line  Unit price
## Branch         1.00000000   -0.01960787 -0.056317558 -0.053937557  0.028202440
## Customer type  -0.01960787    1.00000000  0.039996160 -0.036800311 -0.020237875
## Gender         -0.05631756    0.03999616  1.000000000  0.005193197  0.015444630
## Product line   -0.05393756   -0.03680031  0.005193197  1.000000000  0.019321028
## Unit price      0.02820244   -0.02023787  0.015444630  0.019321028  1.000000000
## Quantity        0.01596379   -0.01676271 -0.074258307  0.020256001  0.010777564
## Tax             0.04104666   -0.01967028 -0.049450989  0.031620725  0.633962089
## Payment        -0.05010429    0.01807344  0.044577609  0.029896383 -0.015941048
## cogs            0.04104666   -0.01967028 -0.049450989  0.031620725  0.633962089
## gross income    0.04104666   -0.01967028 -0.049450989  0.031620725  0.633962089
## Rating          0.01023848    0.01888867  0.004800208 -0.020528973 -0.008777507
##              Quantity      Tax      Payment      cogs gross income
## Branch         0.01596379  0.04104666 -0.050104288  0.04104666  0.04104666
## Customer type  -0.01676271 -0.01967028  0.018073436 -0.01967028 -0.01967028
## Gender         -0.07425831 -0.04945099  0.044577609 -0.04945099 -0.04945099
## Product line    0.02025600  0.03162072  0.029896383  0.03162072  0.03162072
## Unit price      0.01077756  0.63396209 -0.015941048  0.63396209  0.63396209
## Quantity        1.00000000  0.70551019 -0.003920990  0.70551019  0.70551019
## Tax             0.70551019  1.00000000 -0.012433637  1.00000000  1.00000000
## Payment        -0.00392099 -0.01243364  1.000000000 -0.01243364 -0.01243364
## cogs            0.70551019  1.00000000 -0.012433637  1.00000000  1.00000000
## gross income    0.70551019  1.00000000 -0.012433637  1.00000000  1.00000000
## Rating         -0.01581490 -0.03644170 -0.005381289 -0.03644170 -0.03644170
##              Rating
```

```
## Branch      0.010238476
## Customer type 0.018888672
## Gender      0.004800208
## Product line -0.020528973
## Unit price  -0.008777507
## Quantity    -0.015814905
## Tax         -0.036441705
## Payment     -0.005381289
## cogs        -0.036441705
## gross income -0.036441705
## Rating      1.000000000
```

## 4) Implementing The Solution

### A) With PCA:

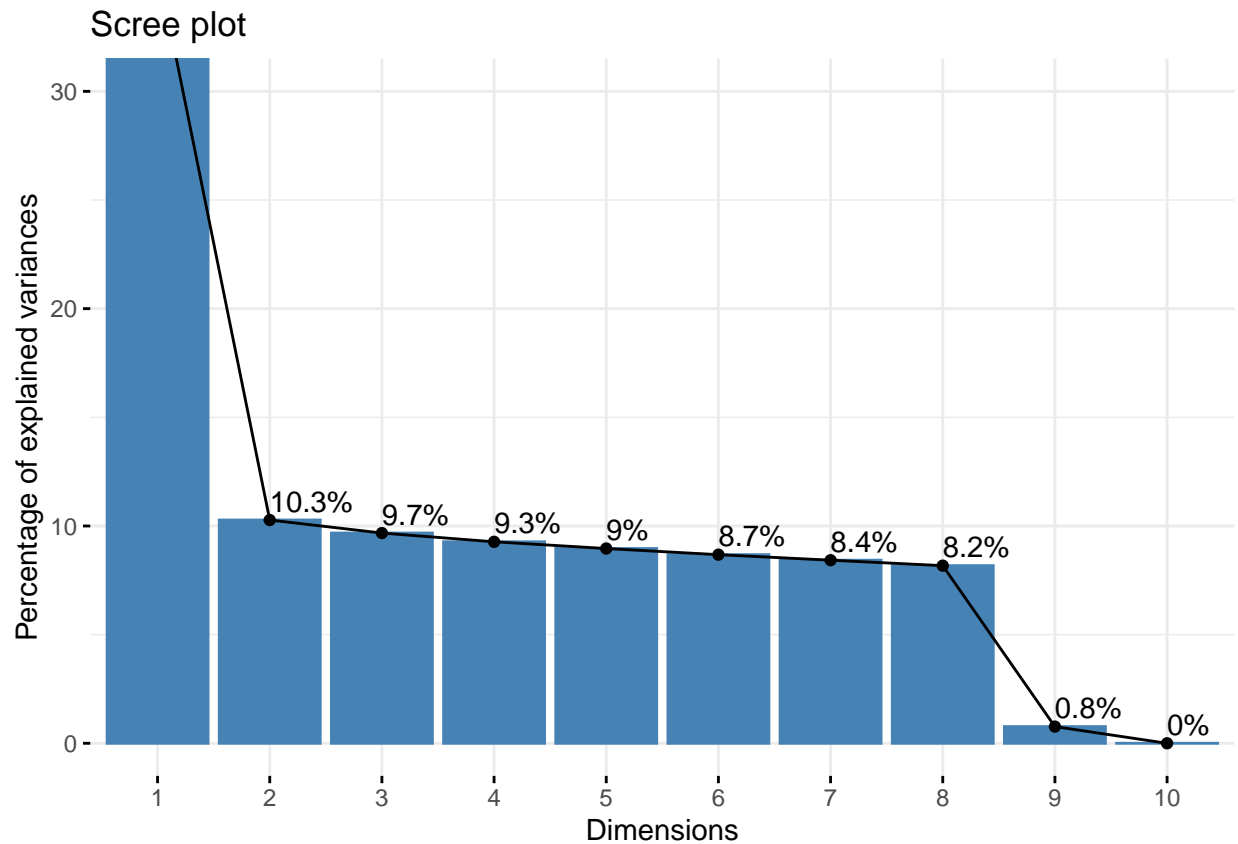
```
# Implementing PCA. The data has to be scaled and centered.
#
carrefour.pca = prcomp(carrefour, center = TRUE, scale = TRUE)
summary(carrefour.pca)
```

```
## Importance of components:
##          PC1      PC2      PC3      PC4      PC5      PC6      PC7
## Standard deviation  1.9836 1.0631 1.03159 1.00991 0.99289 0.9771 0.96270
## Proportion of Variance 0.3577 0.1027 0.09674 0.09272 0.08962 0.0868 0.08425
## Cumulative Proportion 0.3577 0.4604 0.55719 0.64991 0.73953 0.8263 0.91058
##          PC8      PC9      PC10     PC11
## Standard deviation  0.94823 0.29062 2.736e-16 1.109e-16
## Proportion of Variance 0.08174 0.00768 0.000e+00 0.000e+00
## Cumulative Proportion 0.99232 1.00000 1.000e+00 1.000e+00
```

```
#getting the Eigenvalues
#
eigen = get_eigenvalue(carrefour.pca)
eigen
```

```
##          eigenvalue variance.percent cumulative.variance.percent
## Dim.1  3.934732e+00      3.577029e+01      35.77029
## Dim.2  1.130132e+00      1.027393e+01      46.04423
## Dim.3  1.064187e+00      9.674426e+00      55.71865
## Dim.4  1.019927e+00      9.272061e+00      64.99071
## Dim.5  9.858334e-01      8.962122e+00      73.95283
## Dim.6  9.548085e-01      8.680077e+00      82.63291
## Dim.7  9.267825e-01      8.425296e+00      91.05821
## Dim.8  8.991345e-01      8.173950e+00      99.23216
## Dim.9  8.446266e-02      7.678424e-01     100.00000
## Dim.10 7.484119e-32      6.803745e-31     100.00000
## Dim.11 1.229717e-32      1.117924e-31     100.00000
```

```
# Visualizing the results of the eigen values using a scree plot
#
fviz_eig(carrefour.pca, addlabels = TRUE, ylim = c(0, 30))
```



#### From the above analysis and visualization, the first 9 give us 100% of the information (variances) needed. This makes rest of the dimensions redundant. The first 6 dimensions which account for 91% will be chosen to avoid overfitting while modelling.

```
#
#
var=get_pca_var(carrefour.pca)
var
```

```
## Principal Component Analysis Results for variables
## =====
##   Name      Description
## 1 "$coord"   "Coordinates for the variables"
## 2 "$cor"     "Correlations between variables and dimensions"
## 3 "$cos2"    "Cos2 for the variables"
## 4 "$contrib" "contributions of the variables"
```

```
#Plotting the contribution of attributes in each PC
var$coord
```

```
##           Dim.1      Dim.2      Dim.3      Dim.4      Dim.5
```

## Branch	0.05288613	-0.59309158	-0.17956247	0.183291180	-0.0668974458
## Customer type	-0.03081536	0.20195385	-0.55277495	-0.456780202	-0.2613730397
## Gender	-0.06697299	0.55604352	-0.38247162	0.281717091	-0.0678688607
## Product line	0.04087902	0.35959700	0.55708960	0.163021569	0.3161573498
## Unit price	0.64916432	0.13018812	-0.26187869	0.552976395	0.0325917496
## Quantity	0.72358694	-0.09209482	0.20626211	-0.504756839	-0.0038281177
## Tax	0.99626090	0.01612665	-0.01696622	-0.006054973	-0.0003647549
## Payment	-0.01876966	0.51525392	0.07339405	-0.285770908	0.0191124954
## cogs	0.99626090	0.01612665	-0.01696622	-0.006054973	-0.0003647549
## gross income	0.99626090	0.01612665	-0.01696622	-0.006054973	-0.0003647549
## Rating	-0.04332869	-0.08601070	-0.39035353	-0.171478850	0.8983529736
##	Dim.6	Dim.7	Dim.8	Dim.9	
## Branch	-0.441025461	0.454634126	0.4170476480	0.0027277913	
## Customer type	0.308455082	0.523668840	-0.0797678089	0.0020976809	
## Gender	0.004209063	-0.240210066	0.6311542235	-0.0008529456	
## Product line	0.232441920	0.576974131	0.2126248399	0.0009295025	
## Unit price	-0.038181403	0.136857255	-0.3707841140	0.1689455162	
## Quantity	0.039899745	-0.152025768	0.3322707061	0.1884002571	
## Tax	0.001542320	-0.008792119	0.0020718270	-0.0824350366	
## Payment	-0.779753269	0.106532565	-0.1654676211	0.0004794882	
## cogs	0.001542320	-0.008792119	0.0020718270	-0.0824350366	
## gross income	0.001542320	-0.008792119	0.0020718270	-0.0824350366	
## Rating	-0.006436594	-0.042877056	-0.0009079721	-0.0050151552	
##	Dim.10	Dim.11			
## Branch	4.933354e-34	2.426742e-34			
## Customer type	-5.933224e-32	2.290844e-32			
## Gender	3.798821e-32	-5.272237e-33			
## Product line	3.241743e-32	6.477877e-33			
## Unit price	-5.059331e-32	-1.146801e-33			
## Quantity	-5.111681e-32	-1.177936e-32			
## Tax	1.814175e-16	5.282314e-17			
## Payment	5.670923e-33	3.795260e-33			
## cogs	-2.035642e-16	3.727415e-17			
## gross income	2.214672e-17	-9.009728e-17			
## Rating	1.077839e-34	-2.935033e-33			

'-----'

## [1] "-----"

var\$contrib

##	Dim.1	Dim.2	Dim.3	Dim.4	Dim.5
## Branch	0.07108344	31.12534543	3.02979504	3.293928486	4.539579e-01
## Customer type	0.02413345	3.60890068	28.71301735	20.457171012	6.929758e+00
## Gender	0.11399458	27.35824500	13.74613373	7.781394303	4.672374e-01
## Product line	0.04247034	11.44202215	29.16300201	2.605680528	1.013918e+01
## Unit price	10.71011377	1.49973110	6.44439932	29.980869059	1.077486e-01
## Quantity	13.30657368	0.75048332	3.99779964	24.980173813	1.486507e-03
## Tax	25.22498807	0.02301225	0.02704906	0.003594641	1.349580e-05
## Payment	0.00895360	23.49163617	0.50617870	8.006949008	3.705367e-02
## cogs	25.22498807	0.02301225	0.02704906	0.003594641	1.349580e-05
## gross income	25.22498807	0.02301225	0.02704906	0.003594641	1.349580e-05

```

## Rating      0.04771291  0.65459938 14.31852704  2.883049868  8.186353e+01
##              Dim.6      Dim.7      Dim.8      Dim.9      Dim.10
## Branch      2.037094e+01 22.30212367 1.934402e+01 8.809627e-03 3.251950e-34
## Customer type 9.964777e+00 29.58936339 7.076698e-01 5.209716e-03 4.703712e-30
## Gender      1.855473e-03 6.22593469 4.430434e+01 8.613464e-04 1.928222e-30
## Product line 5.658647e+00 35.91987682 5.028093e+00 1.022907e-03 1.404159e-30
## Unit price   1.526819e-01 2.02096040 1.529035e+01 3.379314e+01 3.420153e-30
## Quantity     1.667339e-01 2.49377100 1.227890e+01 4.202408e+01 3.491297e-30
## Tax          2.491338e-04 0.00834083 4.773999e-04 8.045608e+00 4.397620e+01
## Payment      6.367928e+01 1.22457933 3.045099e+00 2.722019e-04 4.297014e-32
## cogs         2.491338e-04 0.00834083 4.773999e-04 8.045608e+00 5.536844e+01
## gross income 2.491338e-04 0.00834083 4.773999e-04 8.045608e+00 6.553574e-01
## Rating      4.339063e-03 0.19836821 9.168966e-05 2.977858e-02 1.552269e-35
##              Dim.11
## Branch      4.788970e-34
## Customer type 4.267622e-30
## Gender      2.260397e-31
## Product line 3.412403e-31
## Unit price   1.069477e-32
## Quantity     1.128335e-30
## Tax          2.269046e+01
## Payment      1.171327e-31
## cogs         1.129823e+01
## gross income 6.601131e+01
## Rating      7.005208e-32

```

```

'-----'

```

```

## [1] "-----"

```

```

var$cos2

```

```

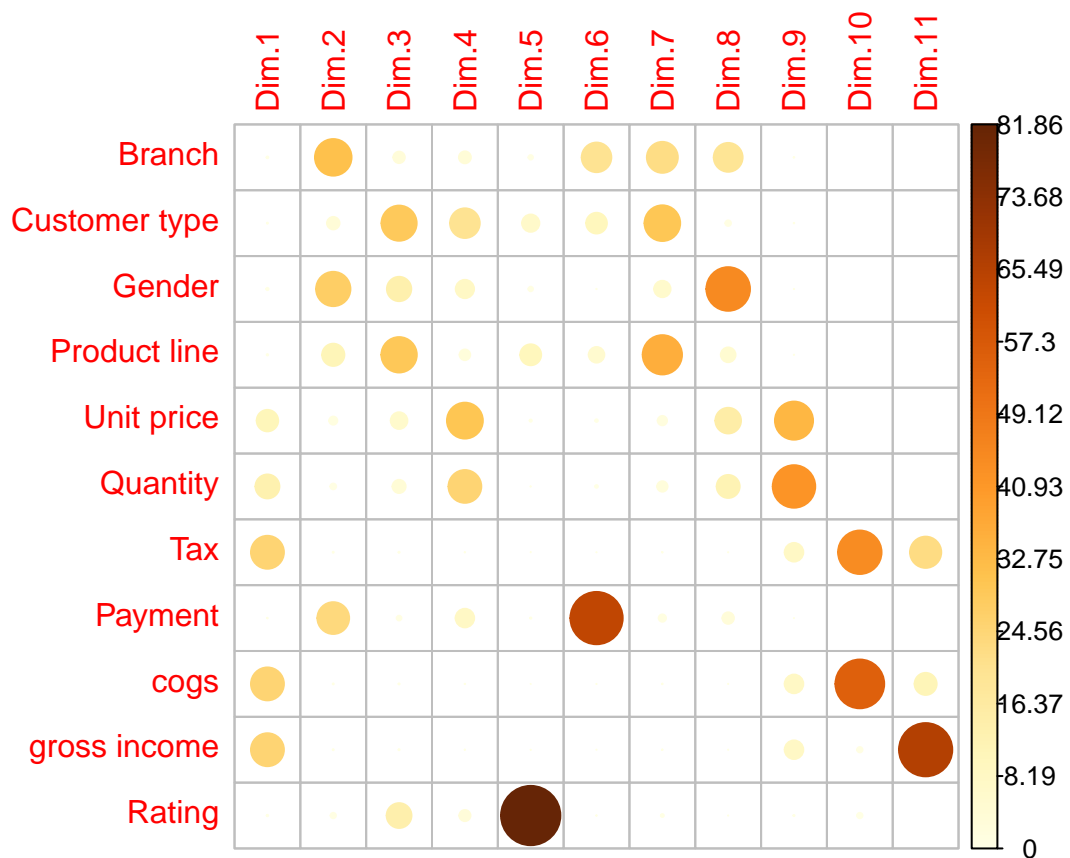
##              Dim.1      Dim.2      Dim.3      Dim.4      Dim.5
## Branch      0.0027969433 0.3517576257 0.0322426791 0.0335956567 4.475268e-03
## Customer type 0.0009495866 0.0407853573 0.3055601422 0.2086481527 6.831587e-02
## Gender      0.0044853818 0.3091844017 0.1462845414 0.0793645194 4.606182e-03
## Product line 0.0016710943 0.1293100041 0.3103488196 0.0265760319 9.995547e-02
## Unit price   0.4214143150 0.0169489477 0.0685804473 0.3057828935 1.062222e-03
## Quantity     0.5235780641 0.0084814555 0.0425440563 0.2547794667 1.465449e-05
## Tax          0.9925357750 0.0002600689 0.0002878525 0.0000366627 1.330461e-07
## Payment      0.0003523002 0.2654866010 0.0053866870 0.0816650121 3.652875e-04
## cogs         0.9925357750 0.0002600689 0.0002878525 0.0000366627 1.330461e-07
## gross income 0.9925357750 0.0002600689 0.0002878525 0.0000366627 1.330461e-07
## Rating      0.0018773754 0.0073978400 0.1523758756 0.0294049959 8.070381e-01
##              Dim.6      Dim.7      Dim.8      Dim.9      Dim.10
## Branch      1.945035e-01 2.066922e-01 1.739287e-01 7.440845e-06 2.433799e-67
## Customer type 9.514454e-02 2.742291e-01 6.362903e-03 4.400265e-06 3.520314e-63
## Gender      1.771621e-05 5.770088e-02 3.983557e-01 7.275162e-07 1.443104e-63
## Product line 5.402925e-02 3.328991e-01 4.520932e-02 8.639749e-07 1.050889e-63
## Unit price   1.457820e-03 1.872991e-02 1.374809e-01 2.854259e-02 2.559683e-63
## Quantity     1.591990e-03 2.311183e-02 1.104038e-01 3.549466e-02 2.612928e-63
## Tax          2.378750e-06 7.730136e-05 4.292467e-06 6.795535e-03 3.291232e-32
## Payment      6.080152e-01 1.134919e-02 2.737953e-02 2.299090e-07 3.215937e-65

```

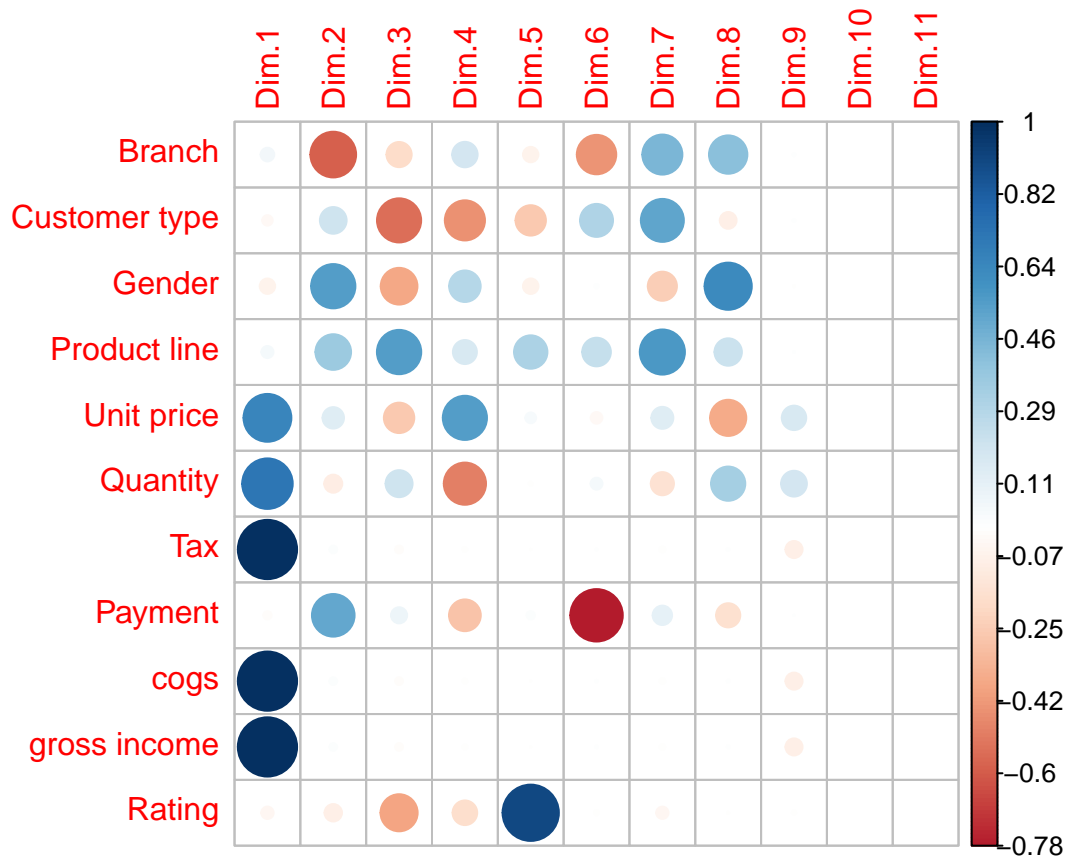
```
## cogs          2.378750e-06 7.730136e-05 4.292467e-06 6.795535e-03 4.143840e-32
## gross income  2.378750e-06 7.730136e-05 4.292467e-06 6.795535e-03 4.904773e-34
## Rating        4.142975e-05 1.838442e-03 8.244134e-07 2.515178e-05 1.161737e-68
##              Dim.11
## Branch        5.889077e-68
## Customer type  5.247966e-64
## Gender         2.779648e-65
## Product line   4.196289e-65
## Unit price     1.315154e-66
## Quantity       1.387532e-64
## Tax            2.790284e-33
## Payment        1.440400e-65
## cogs           1.389362e-33
## gross income   8.117521e-33
## Rating         8.614421e-66
```

```
#checking attribute contribution using corr plot
```

```
#
corrplot(var$contrib, is.corr=FALSE)
```

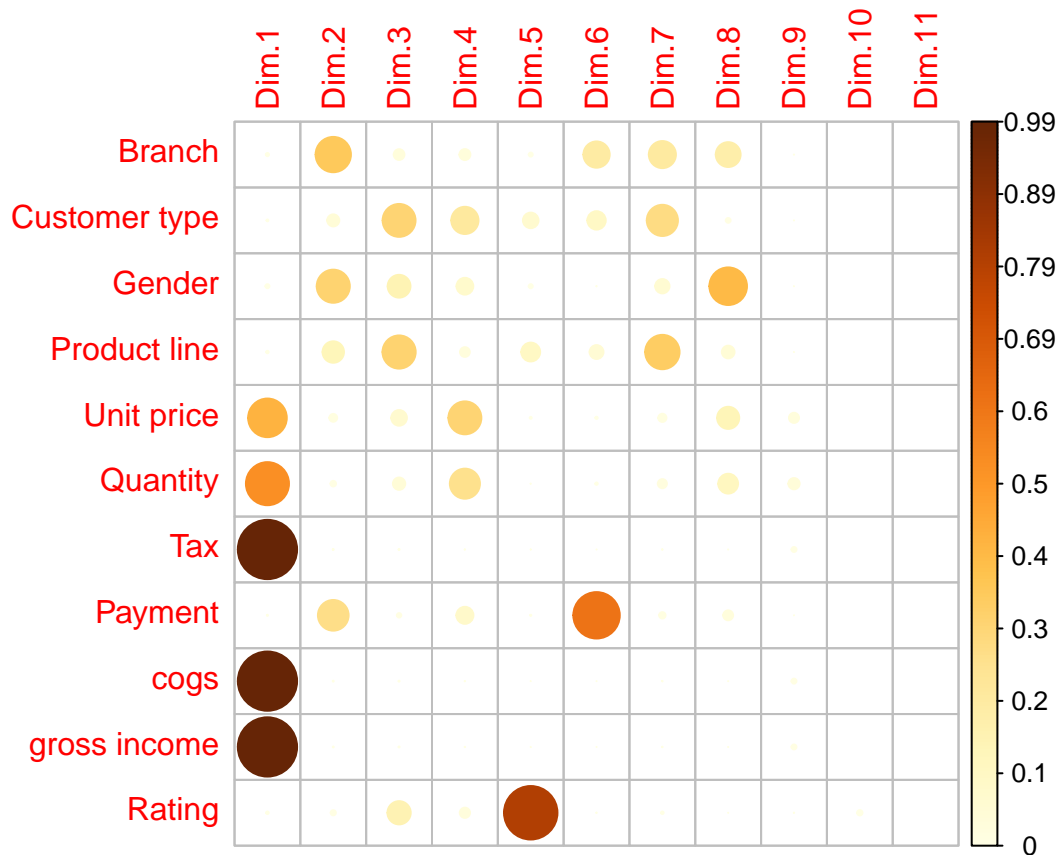


```
corrplot(var$coord, is.corr=FALSE)
```



```
corrplot(var$cos2, is.corr=FALSE)
```



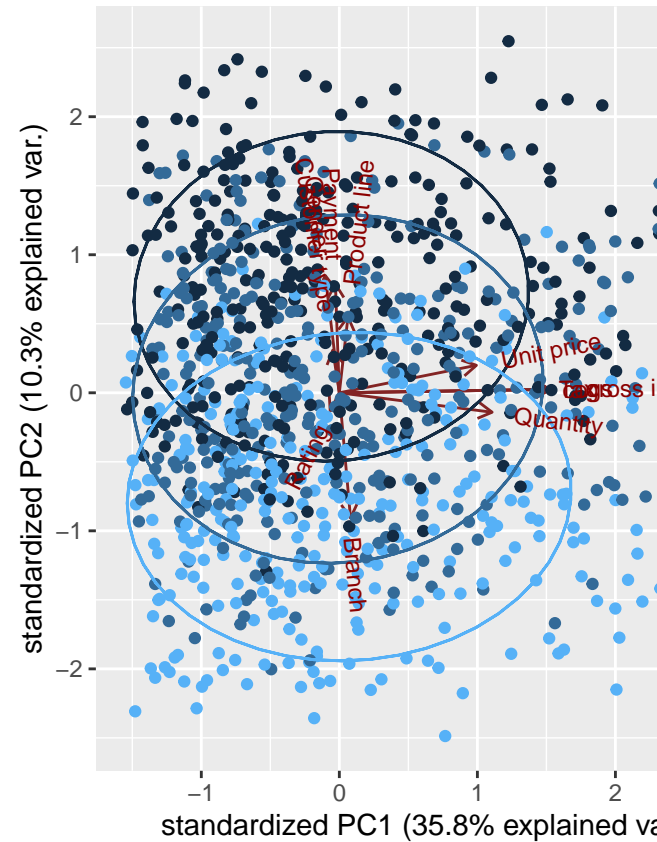


i) Contribution shows that Rating, Payment, Gender, Tax and Gross Income contribute the most on dimension 5, 6, 8, 10 and 12 respectively.

ii) Coordinates show that most of the information that is needed is captured in the first 8 dimensions.

```
# checking the performance of the different branches
#
ggbiplot(carrefour.pca,ellipse=TRUE, groups=carrefour$Branch)
```

iii) Cos2 shows that Tax, Cogs, Gross Income and Rating were well represented in Dimension 1.



Payment was well represented in dimension 6.

```
# drop categorical variable
#
drop <- c("Branch", "Customer type", "Gender", "Product line", "Payment")
carrefour2 <- carrefour[,!(names(carrefour) %in% drop)]
carrefour2
```

In the above analysis categorical variables were converted into numerical. We can compute PCA without categorical variables for better analysis. This coincidentally reduces the data to 6 dimensions.

##	Unit price	Quantity	Tax	cogs	gross income	Rating
## 1	74.69	7	26.1415	522.83	26.1415	9.1
## 2	15.28	5	3.8200	76.40	3.8200	9.6
## 3	46.33	7	16.2155	324.31	16.2155	7.4
## 4	58.22	8	23.2880	465.76	23.2880	8.4
## 5	86.31	7	30.2085	604.17	30.2085	5.3
## 6	85.39	7	29.8865	597.73	29.8865	4.1
## 7	68.84	6	20.6520	413.04	20.6520	5.8
## 8	73.56	10	36.7800	735.60	36.7800	8.0
## 9	36.26	2	3.6260	72.52	3.6260	7.2
## 10	54.84	3	8.2260	164.52	8.2260	5.9
## 11	14.48	4	2.8960	57.92	2.8960	4.5

## 12	25.51	4	5.1020	102.04	5.1020	6.8
## 13	46.95	5	11.7375	234.75	11.7375	7.1
## 14	43.19	10	21.5950	431.90	21.5950	8.2
## 15	71.38	10	35.6900	713.80	35.6900	5.7
## 16	93.72	6	28.1160	562.32	28.1160	4.5
## 17	68.93	7	24.1255	482.51	24.1255	4.6
## 18	72.61	6	21.7830	435.66	21.7830	6.9
## 19	54.67	3	8.2005	164.01	8.2005	8.6
## 20	40.30	2	4.0300	80.60	4.0300	4.4
## 21	86.04	5	21.5100	430.20	21.5100	4.8
## 22	87.98	3	13.1970	263.94	13.1970	5.1
## 23	33.20	2	3.3200	66.40	3.3200	4.4
## 24	34.56	5	8.6400	172.80	8.6400	9.9
## 25	88.63	3	13.2945	265.89	13.2945	6.0
## 26	52.59	8	21.0360	420.72	21.0360	8.5
## 27	33.52	1	1.6760	33.52	1.6760	6.7
## 28	87.67	2	8.7670	175.34	8.7670	7.7
## 29	88.36	5	22.0900	441.80	22.0900	9.6
## 30	24.89	9	11.2005	224.01	11.2005	7.4
## 31	94.13	5	23.5325	470.65	23.5325	4.8
## 32	78.07	9	35.1315	702.63	35.1315	4.5
## 33	83.78	8	33.5120	670.24	33.5120	5.1
## 34	96.58	2	9.6580	193.16	9.6580	5.1
## 35	99.42	4	19.8840	397.68	19.8840	7.5
## 36	68.12	1	3.4060	68.12	3.4060	6.8
## 37	62.62	5	15.6550	313.10	15.6550	7.0
## 38	60.88	9	27.3960	547.92	27.3960	4.7
## 39	54.92	8	21.9680	439.36	21.9680	7.6
## 40	30.12	8	12.0480	240.96	12.0480	7.7
## 41	86.72	1	4.3360	86.72	4.3360	7.9
## 42	56.11	2	5.6110	112.22	5.6110	6.3
## 43	69.12	6	20.7360	414.72	20.7360	5.6
## 44	98.70	8	39.4800	789.60	39.4800	7.6
## 45	15.37	2	1.5370	30.74	1.5370	7.2
## 46	93.96	4	18.7920	375.84	18.7920	9.5
## 47	56.69	9	25.5105	510.21	25.5105	8.4
## 48	20.01	9	9.0045	180.09	9.0045	4.1
## 49	18.93	6	5.6790	113.58	5.6790	8.1
## 50	82.63	10	41.3150	826.30	41.3150	7.9
## 51	91.40	7	31.9900	639.80	31.9900	9.5
## 52	44.59	5	11.1475	222.95	11.1475	8.5
## 53	17.87	4	3.5740	71.48	3.5740	6.5
## 54	15.43	1	0.7715	15.43	0.7715	6.1
## 55	16.16	2	1.6160	32.32	1.6160	6.5
## 56	85.98	8	34.3920	687.84	34.3920	8.2
## 57	44.34	2	4.4340	88.68	4.4340	5.8
## 58	89.60	8	35.8400	716.80	35.8400	6.6
## 59	72.35	10	36.1750	723.50	36.1750	5.4
## 60	30.61	6	9.1830	183.66	9.1830	9.3
## 61	24.74	3	3.7110	74.22	3.7110	10.0
## 62	55.73	6	16.7190	334.38	16.7190	7.0
## 63	55.07	9	24.7815	495.63	24.7815	10.0
## 64	15.81	10	7.9050	158.10	7.9050	8.6
## 65	75.74	4	15.1480	302.96	15.1480	7.6

## 66	15.87	10	7.9350	158.70	7.9350	5.8
## 67	33.47	2	3.3470	66.94	3.3470	6.7
## 68	97.61	6	29.2830	585.66	29.2830	9.9
## 69	78.77	10	39.3850	787.70	39.3850	6.4
## 70	18.33	1	0.9165	18.33	0.9165	4.3
## 71	89.48	10	44.7400	894.80	44.7400	9.6
## 72	62.12	10	31.0600	621.20	31.0600	5.9
## 73	48.52	3	7.2780	145.56	7.2780	4.0
## 74	75.91	6	22.7730	455.46	22.7730	8.7
## 75	74.67	9	33.6015	672.03	33.6015	9.4
## 76	41.65	10	20.8250	416.50	20.8250	5.4
## 77	49.04	9	22.0680	441.36	22.0680	8.6
## 78	20.01	9	9.0045	180.09	9.0045	5.7
## 79	78.31	10	39.1550	783.10	39.1550	6.6
## 80	20.38	5	5.0950	101.90	5.0950	6.0
## 81	99.19	6	29.7570	595.14	29.7570	5.5
## 82	96.68	3	14.5020	290.04	14.5020	6.4
## 83	19.25	8	7.7000	154.00	7.7000	6.6
## 84	80.36	4	16.0720	321.44	16.0720	8.3
## 85	48.91	5	12.2275	244.55	12.2275	6.6
## 86	83.06	7	29.0710	581.42	29.0710	4.0
## 87	76.52	5	19.1300	382.60	19.1300	9.9
## 88	49.38	7	17.2830	345.66	17.2830	7.3
## 89	42.47	1	2.1235	42.47	2.1235	5.7
## 90	76.99	6	23.0970	461.94	23.0970	6.1
## 91	47.38	4	9.4760	189.52	9.4760	7.1
## 92	44.86	10	22.4300	448.60	22.4300	8.2
## 93	21.98	7	7.6930	153.86	7.6930	5.1
## 94	64.36	9	28.9620	579.24	28.9620	8.6
## 95	89.75	1	4.4875	89.75	4.4875	6.6
## 96	97.16	1	4.8580	97.16	4.8580	7.2
## 97	87.87	10	43.9350	878.70	43.9350	5.1
## 98	12.45	6	3.7350	74.70	3.7350	4.1
## 99	52.75	3	7.9125	158.25	7.9125	9.3
## 100	82.70	6	24.8100	496.20	24.8100	7.4
## 101	48.71	1	2.4355	48.71	2.4355	4.1
## 102	78.55	9	35.3475	706.95	35.3475	7.2
## 103	23.07	9	10.3815	207.63	10.3815	4.9
## 104	58.26	6	17.4780	349.56	17.4780	9.9
## 105	30.35	7	10.6225	212.45	10.6225	8.0
## 106	88.67	10	44.3350	886.70	44.3350	7.3
## 107	27.38	6	8.2140	164.28	8.2140	7.9
## 108	62.13	6	18.6390	372.78	18.6390	7.4
## 109	33.98	9	15.2910	305.82	15.2910	4.2
## 110	81.97	10	40.9850	819.70	40.9850	9.2
## 111	16.49	2	1.6490	32.98	1.6490	4.6
## 112	98.21	3	14.7315	294.63	14.7315	7.8
## 113	72.84	7	25.4940	509.88	25.4940	8.4
## 114	58.07	9	26.1315	522.63	26.1315	4.3
## 115	80.79	9	36.3555	727.11	36.3555	9.5
## 116	27.02	3	4.0530	81.06	4.0530	7.1
## 117	21.94	5	5.4850	109.70	5.4850	5.3
## 118	51.36	1	2.5680	51.36	2.5680	5.2
## 119	10.96	10	5.4800	109.60	5.4800	6.0

## 120	53.44	2	5.3440	106.88	5.3440	4.1
## 121	99.56	8	39.8240	796.48	39.8240	5.2
## 122	57.12	7	19.9920	399.84	19.9920	6.5
## 123	99.96	9	44.9820	899.64	44.9820	4.2
## 124	63.91	8	25.5640	511.28	25.5640	4.6
## 125	56.47	8	22.5880	451.76	22.5880	7.3
## 126	93.69	7	32.7915	655.83	32.7915	4.5
## 127	32.25	5	8.0625	161.25	8.0625	9.0
## 128	31.73	9	14.2785	285.57	14.2785	5.9
## 129	68.54	8	27.4160	548.32	27.4160	8.5
## 130	90.28	9	40.6260	812.52	40.6260	7.2
## 131	39.62	7	13.8670	277.34	13.8670	7.5
## 132	92.13	6	27.6390	552.78	27.6390	8.3
## 133	34.84	4	6.9680	139.36	6.9680	7.4
## 134	87.45	6	26.2350	524.70	26.2350	8.8
## 135	81.30	6	24.3900	487.80	24.3900	5.3
## 136	90.22	3	13.5330	270.66	13.5330	6.2
## 137	26.31	5	6.5775	131.55	6.5775	8.8
## 138	34.42	6	10.3260	206.52	10.3260	9.8
## 139	51.91	10	25.9550	519.10	25.9550	8.2
## 140	72.50	8	29.0000	580.00	29.0000	9.2
## 141	89.80	10	44.9000	898.00	44.9000	5.4
## 142	90.50	10	45.2500	905.00	45.2500	8.1
## 143	68.60	10	34.3000	686.00	34.3000	9.1
## 144	30.41	1	1.5205	30.41	1.5205	8.4
## 145	77.95	6	23.3850	467.70	23.3850	8.0
## 146	46.26	6	13.8780	277.56	13.8780	9.5
## 147	30.14	10	15.0700	301.40	15.0700	9.2
## 148	66.14	4	13.2280	264.56	13.2280	5.6
## 149	71.86	8	28.7440	574.88	28.7440	6.2
## 150	32.46	8	12.9840	259.68	12.9840	4.9
## 151	91.54	4	18.3080	366.16	18.3080	4.8
## 152	34.56	7	12.0960	241.92	12.0960	7.3
## 153	83.24	9	37.4580	749.16	37.4580	7.4
## 154	16.48	6	4.9440	98.88	4.9440	9.9
## 155	80.97	8	32.3880	647.76	32.3880	9.3
## 156	92.29	5	23.0725	461.45	23.0725	9.0
## 157	72.17	1	3.6085	72.17	3.6085	6.1
## 158	50.28	5	12.5700	251.40	12.5700	9.7
## 159	97.22	9	43.7490	874.98	43.7490	6.0
## 160	93.39	6	28.0170	560.34	28.0170	10.0
## 161	43.18	8	17.2720	345.44	17.2720	8.3
## 162	63.69	1	3.1845	63.69	3.1845	6.0
## 163	45.79	7	16.0265	320.53	16.0265	7.0
## 164	76.40	2	7.6400	152.80	7.6400	6.5
## 165	39.90	10	19.9500	399.00	19.9500	5.9
## 166	42.57	8	17.0280	340.56	17.0280	5.6
## 167	95.58	10	47.7900	955.80	47.7900	4.8
## 168	98.98	10	49.4900	989.80	49.4900	8.7
## 169	51.28	6	15.3840	307.68	15.3840	6.5
## 170	69.52	7	24.3320	486.64	24.3320	8.5
## 171	70.01	5	17.5025	350.05	17.5025	5.5
## 172	80.05	5	20.0125	400.25	20.0125	9.4
## 173	20.85	8	8.3400	166.80	8.3400	6.3

## 174	52.89	6	15.8670	317.34	15.8670	9.8
## 175	19.79	8	7.9160	158.32	7.9160	8.7
## 176	33.84	9	15.2280	304.56	15.2280	8.8
## 177	22.17	8	8.8680	177.36	8.8680	9.6
## 178	22.51	7	7.8785	157.57	7.8785	4.8
## 179	73.88	6	22.1640	443.28	22.1640	4.4
## 180	86.80	3	13.0200	260.40	13.0200	9.9
## 181	64.26	7	22.4910	449.82	22.4910	5.7
## 182	38.47	8	15.3880	307.76	15.3880	7.7
## 183	15.50	10	7.7500	155.00	7.7500	8.0
## 184	34.31	8	13.7240	274.48	13.7240	5.7
## 185	12.34	7	4.3190	86.38	4.3190	6.7
## 186	18.08	3	2.7120	54.24	2.7120	8.0
## 187	94.49	8	37.7960	755.92	37.7960	7.5
## 188	46.47	4	9.2940	185.88	9.2940	7.0
## 189	74.07	1	3.7035	74.07	3.7035	9.9
## 190	69.81	4	13.9620	279.24	13.9620	5.9
## 191	77.04	3	11.5560	231.12	11.5560	7.2
## 192	73.52	2	7.3520	147.04	7.3520	4.6
## 193	87.80	9	39.5100	790.20	39.5100	9.2
## 194	25.55	4	5.1100	102.20	5.1100	5.7
## 195	32.71	5	8.1775	163.55	8.1775	9.9
## 196	74.29	1	3.7145	74.29	3.7145	5.0
## 197	43.70	2	4.3700	87.40	4.3700	4.9
## 198	25.29	1	1.2645	25.29	1.2645	6.1
## 199	41.50	4	8.3000	166.00	8.3000	8.2
## 200	71.39	5	17.8475	356.95	17.8475	5.5
## 201	19.15	6	5.7450	114.90	5.7450	6.8
## 202	57.49	4	11.4980	229.96	11.4980	6.6
## 203	61.41	7	21.4935	429.87	21.4935	9.8
## 204	25.90	10	12.9500	259.00	12.9500	8.7
## 205	17.77	5	4.4425	88.85	4.4425	5.4
## 206	23.03	9	10.3635	207.27	10.3635	7.9
## 207	66.65	9	29.9925	599.85	29.9925	9.7
## 208	28.53	10	14.2650	285.30	14.2650	7.8
## 209	30.37	3	4.5555	91.11	4.5555	5.1
## 210	99.73	9	44.8785	897.57	44.8785	6.5
## 211	26.23	9	11.8035	236.07	11.8035	5.9
## 212	93.26	9	41.9670	839.34	41.9670	8.8
## 213	92.36	5	23.0900	461.80	23.0900	4.9
## 214	46.42	3	6.9630	139.26	6.9630	4.4
## 215	29.61	7	10.3635	207.27	10.3635	6.5
## 216	18.28	1	0.9140	18.28	0.9140	8.3
## 217	24.77	5	6.1925	123.85	6.1925	8.5
## 218	94.64	3	14.1960	283.92	14.1960	5.5
## 219	94.87	8	37.9480	758.96	37.9480	8.7
## 220	57.34	3	8.6010	172.02	8.6010	7.9
## 221	45.35	6	13.6050	272.10	13.6050	6.1
## 222	62.08	7	21.7280	434.56	21.7280	5.4
## 223	11.81	5	2.9525	59.05	2.9525	9.4
## 224	12.54	1	0.6270	12.54	0.6270	8.2
## 225	43.25	2	4.3250	86.50	4.3250	6.2
## 226	87.16	2	8.7160	174.32	8.7160	9.7
## 227	69.37	9	31.2165	624.33	31.2165	4.0

## 228	37.06	4	7.4120	148.24	7.4120	9.7
## 229	90.70	6	27.2100	544.20	27.2100	5.3
## 230	63.42	8	25.3680	507.36	25.3680	7.4
## 231	81.37	2	8.1370	162.74	8.1370	6.5
## 232	10.59	3	1.5885	31.77	1.5885	8.7
## 233	84.09	9	37.8405	756.81	37.8405	8.0
## 234	73.82	4	14.7640	295.28	14.7640	6.7
## 235	51.94	10	25.9700	519.40	25.9700	6.5
## 236	93.14	2	9.3140	186.28	9.3140	4.1
## 237	17.41	5	4.3525	87.05	4.3525	4.9
## 238	44.22	5	11.0550	221.10	11.0550	8.6
## 239	13.22	5	3.3050	66.10	3.3050	4.3
## 240	89.69	1	4.4845	89.69	4.4845	4.9
## 241	24.94	9	11.2230	224.46	11.2230	5.6
## 242	59.77	2	5.9770	119.54	5.9770	5.8
## 243	93.20	2	9.3200	186.40	9.3200	6.0
## 244	62.65	4	12.5300	250.60	12.5300	4.2
## 245	93.87	8	37.5480	750.96	37.5480	8.3
## 246	47.59	8	19.0360	380.72	19.0360	5.7
## 247	81.40	3	12.2100	244.20	12.2100	4.8
## 248	17.94	5	4.4850	89.70	4.4850	6.8
## 249	77.72	4	15.5440	310.88	15.5440	8.8
## 250	73.06	7	25.5710	511.42	25.5710	4.2
## 251	46.55	9	20.9475	418.95	20.9475	6.4
## 252	35.19	10	17.5950	351.90	17.5950	8.4
## 253	14.39	2	1.4390	28.78	1.4390	7.2
## 254	23.75	4	4.7500	95.00	4.7500	5.2
## 255	58.90	8	23.5600	471.20	23.5600	8.9
## 256	32.62	4	6.5240	130.48	6.5240	9.0
## 257	66.35	1	3.3175	66.35	3.3175	9.7
## 258	25.91	6	7.7730	155.46	7.7730	8.7
## 259	32.25	4	6.4500	129.00	6.4500	6.5
## 260	65.94	4	13.1880	263.76	13.1880	6.9
## 261	75.06	9	33.7770	675.54	33.7770	6.2
## 262	16.45	4	3.2900	65.80	3.2900	5.6
## 263	38.30	4	7.6600	153.20	7.6600	5.7
## 264	22.24	10	11.1200	222.40	11.1200	4.2
## 265	54.45	1	2.7225	54.45	2.7225	7.9
## 266	98.40	7	34.4400	688.80	34.4400	8.7
## 267	35.47	4	7.0940	141.88	7.0940	6.9
## 268	74.60	10	37.3000	746.00	37.3000	9.5
## 269	70.74	4	14.1480	282.96	14.1480	4.4
## 270	35.54	10	17.7700	355.40	17.7700	7.0
## 271	67.43	5	16.8575	337.15	16.8575	6.3
## 272	21.12	2	2.1120	42.24	2.1120	9.7
## 273	21.54	9	9.6930	193.86	9.6930	8.8
## 274	12.03	2	1.2030	24.06	1.2030	5.1
## 275	99.71	6	29.9130	598.26	29.9130	7.9
## 276	47.97	7	16.7895	335.79	16.7895	6.2
## 277	21.82	10	10.9100	218.20	10.9100	7.1
## 278	95.42	4	19.0840	381.68	19.0840	6.4
## 279	70.99	10	35.4950	709.90	35.4950	5.7
## 280	44.02	10	22.0100	440.20	22.0100	9.6
## 281	69.96	8	27.9840	559.68	27.9840	6.4

## 282	37.00	1	1.8500	37.00	1.8500	7.9
## 283	15.34	1	0.7670	15.34	0.7670	6.5
## 284	99.83	6	29.9490	598.98	29.9490	8.5
## 285	47.67	4	9.5340	190.68	9.5340	9.1
## 286	66.68	5	16.6700	333.40	16.6700	7.6
## 287	74.86	1	3.7430	74.86	3.7430	6.9
## 288	23.75	9	10.6875	213.75	10.6875	9.5
## 289	48.51	7	16.9785	339.57	16.9785	5.2
## 290	94.88	7	33.2080	664.16	33.2080	4.2
## 291	40.30	10	20.1500	403.00	20.1500	7.0
## 292	27.85	7	9.7475	194.95	9.7475	6.0
## 293	62.48	1	3.1240	62.48	3.1240	4.7
## 294	36.36	2	3.6360	72.72	3.6360	7.1
## 295	18.11	10	9.0550	181.10	9.0550	5.9
## 296	51.92	5	12.9800	259.60	12.9800	7.5
## 297	28.84	4	5.7680	115.36	5.7680	6.4
## 298	78.38	6	23.5140	470.28	23.5140	5.8
## 299	60.01	4	12.0020	240.04	12.0020	4.5
## 300	88.61	1	4.4305	88.61	4.4305	7.7
## 301	99.82	2	9.9820	199.64	9.9820	6.7
## 302	39.01	1	1.9505	39.01	1.9505	4.7
## 303	48.61	1	2.4305	48.61	2.4305	4.4
## 304	51.19	4	10.2380	204.76	10.2380	4.7
## 305	14.96	8	5.9840	119.68	5.9840	8.6
## 306	72.20	7	25.2700	505.40	25.2700	4.3
## 307	40.23	7	14.0805	281.61	14.0805	9.6
## 308	88.79	8	35.5160	710.32	35.5160	4.1
## 309	26.48	3	3.9720	79.44	3.9720	4.7
## 310	81.91	2	8.1910	163.82	8.1910	7.8
## 311	79.93	6	23.9790	479.58	23.9790	5.5
## 312	69.33	2	6.9330	138.66	6.9330	9.7
## 313	14.23	5	3.5575	71.15	3.5575	4.4
## 314	15.55	9	6.9975	139.95	6.9975	5.0
## 315	78.13	10	39.0650	781.30	39.0650	4.4
## 316	99.37	2	9.9370	198.74	9.9370	5.2
## 317	21.08	3	3.1620	63.24	3.1620	7.3
## 318	74.79	5	18.6975	373.95	18.6975	4.9
## 319	29.67	7	10.3845	207.69	10.3845	8.1
## 320	44.07	4	8.8140	176.28	8.8140	8.4
## 321	22.93	9	10.3185	206.37	10.3185	5.5
## 322	39.42	1	1.9710	39.42	1.9710	8.4
## 323	15.26	6	4.5780	91.56	4.5780	9.8
## 324	61.77	5	15.4425	308.85	15.4425	6.7
## 325	21.52	6	6.4560	129.12	6.4560	9.4
## 326	97.74	4	19.5480	390.96	19.5480	6.4
## 327	99.78	5	24.9450	498.90	24.9450	5.4
## 328	94.26	4	18.8520	377.04	18.8520	8.6
## 329	51.13	4	10.2260	204.52	10.2260	4.0
## 330	36.36	4	7.2720	145.44	7.2720	7.6
## 331	22.02	9	9.9090	198.18	9.9090	6.8
## 332	32.90	3	4.9350	98.70	4.9350	9.1
## 333	77.02	5	19.2550	385.10	19.2550	5.5
## 334	23.48	2	2.3480	46.96	2.3480	7.9
## 335	14.70	5	3.6750	73.50	3.6750	8.5



## 336	28.45	5	7.1125	142.25	7.1125	9.1
## 337	76.40	9	34.3800	687.60	34.3800	7.5
## 338	57.95	6	17.3850	347.70	17.3850	5.2
## 339	47.65	3	7.1475	142.95	7.1475	9.5
## 340	42.82	9	19.2690	385.38	19.2690	8.9
## 341	48.09	3	7.2135	144.27	7.2135	7.8
## 342	55.97	7	19.5895	391.79	19.5895	8.9
## 343	76.90	7	26.9150	538.30	26.9150	7.7
## 344	97.03	5	24.2575	485.15	24.2575	9.3
## 345	44.65	3	6.6975	133.95	6.6975	6.2
## 346	77.93	9	35.0685	701.37	35.0685	7.6
## 347	71.95	1	3.5975	71.95	3.5975	7.3
## 348	89.25	8	35.7000	714.00	35.7000	4.7
## 349	26.02	7	9.1070	182.14	9.1070	5.1
## 350	13.50	10	6.7500	135.00	6.7500	4.8
## 351	99.30	10	49.6500	993.00	49.6500	6.6
## 352	51.69	7	18.0915	361.83	18.0915	5.5
## 353	54.73	7	19.1555	383.11	19.1555	8.5
## 354	27.00	9	12.1500	243.00	12.1500	4.8
## 355	30.24	1	1.5120	30.24	1.5120	8.4
## 356	89.14	4	17.8280	356.56	17.8280	7.8
## 357	37.55	10	18.7750	375.50	18.7750	9.3
## 358	95.44	10	47.7200	954.40	47.7200	5.2
## 359	27.50	3	4.1250	82.50	4.1250	6.5
## 360	74.97	1	3.7485	74.97	3.7485	5.6
## 361	80.96	8	32.3840	647.68	32.3840	7.4
## 362	94.47	8	37.7880	755.76	37.7880	9.1
## 363	99.79	2	9.9790	199.58	9.9790	8.0
## 364	73.22	6	21.9660	439.32	21.9660	7.2
## 365	41.24	4	8.2480	164.96	8.2480	7.1
## 366	81.68	4	16.3360	326.72	16.3360	9.1
## 367	51.32	9	23.0940	461.88	23.0940	5.6
## 368	65.94	4	13.1880	263.76	13.1880	6.0
## 369	14.36	10	7.1800	143.60	7.1800	5.4
## 370	21.50	9	9.6750	193.50	9.6750	7.8
## 371	26.26	7	9.1910	183.82	9.1910	9.9
## 372	60.96	2	6.0960	121.92	6.0960	4.9
## 373	70.11	6	21.0330	420.66	21.0330	5.2
## 374	42.08	6	12.6240	252.48	12.6240	8.9
## 375	67.09	5	16.7725	335.45	16.7725	9.1
## 376	96.70	5	24.1750	483.50	24.1750	7.0
## 377	35.38	9	15.9210	318.42	15.9210	9.6
## 378	95.49	7	33.4215	668.43	33.4215	8.7
## 379	96.98	4	19.3960	387.92	19.3960	9.4
## 380	23.65	4	4.7300	94.60	4.7300	4.0
## 381	82.33	4	16.4660	329.32	16.4660	7.5
## 382	26.61	2	2.6610	53.22	2.6610	4.2
## 383	99.69	5	24.9225	498.45	24.9225	9.9
## 384	74.89	4	14.9780	299.56	14.9780	4.2
## 385	40.94	5	10.2350	204.70	10.2350	9.9
## 386	75.82	1	3.7910	75.82	3.7910	5.8
## 387	46.77	6	14.0310	280.62	14.0310	6.0
## 388	32.32	10	16.1600	323.20	16.1600	10.0
## 389	54.07	9	24.3315	486.63	24.3315	9.5

## 390	18.22	7	6.3770	127.54	6.3770	6.6
## 391	80.48	3	12.0720	241.44	12.0720	8.1
## 392	37.95	10	18.9750	379.50	18.9750	9.7
## 393	76.82	1	3.8410	76.82	3.8410	7.2
## 394	52.26	10	26.1300	522.60	26.1300	6.2
## 395	79.74	1	3.9870	79.74	3.9870	7.3
## 396	77.50	5	19.3750	387.50	19.3750	4.3
## 397	54.27	5	13.5675	271.35	13.5675	4.6
## 398	13.59	9	6.1155	122.31	6.1155	5.8
## 399	41.06	6	12.3180	246.36	12.3180	8.3
## 400	19.24	9	8.6580	173.16	8.6580	8.0
## 401	39.43	6	11.8290	236.58	11.8290	9.4
## 402	46.22	4	9.2440	184.88	9.2440	6.2
## 403	13.98	1	0.6990	13.98	0.6990	9.8
## 404	39.75	5	9.9375	198.75	9.9375	9.6
## 405	97.79	7	34.2265	684.53	34.2265	4.9
## 406	67.26	4	13.4520	269.04	13.4520	8.0
## 407	13.79	5	3.4475	68.95	3.4475	7.8
## 408	68.71	4	13.7420	274.84	13.7420	4.1
## 409	56.53	4	11.3060	226.12	11.3060	5.5
## 410	23.82	5	5.9550	119.10	5.9550	5.4
## 411	34.21	10	17.1050	342.10	17.1050	5.1
## 412	21.87	2	2.1870	43.74	2.1870	6.9
## 413	20.97	5	5.2425	104.85	5.2425	7.8
## 414	25.84	3	3.8760	77.52	3.8760	6.6
## 415	50.93	8	20.3720	407.44	20.3720	9.2
## 416	96.11	1	4.8055	96.11	4.8055	7.8
## 417	45.38	4	9.0760	181.52	9.0760	8.7
## 418	81.51	1	4.0755	81.51	4.0755	9.2
## 419	57.22	2	5.7220	114.44	5.7220	8.3
## 420	25.22	7	8.8270	176.54	8.8270	8.2
## 421	38.60	3	5.7900	115.80	5.7900	7.5
## 422	84.05	3	12.6075	252.15	12.6075	9.8
## 423	97.21	10	48.6050	972.10	48.6050	8.7
## 424	25.42	8	10.1680	203.36	10.1680	6.7
## 425	16.28	1	0.8140	16.28	0.8140	5.0
## 426	40.61	9	18.2745	365.49	18.2745	7.0
## 427	53.17	7	18.6095	372.19	18.6095	8.9
## 428	20.87	3	3.1305	62.61	3.1305	8.0
## 429	67.27	5	16.8175	336.35	16.8175	6.9
## 430	90.65	10	45.3250	906.50	45.3250	7.3
## 431	69.08	2	6.9080	138.16	6.9080	6.9
## 432	43.27	2	4.3270	86.54	4.3270	5.7
## 433	23.46	6	7.0380	140.76	7.0380	6.4
## 434	95.54	7	33.4390	668.78	33.4390	9.6
## 435	47.44	1	2.3720	47.44	2.3720	6.8
## 436	99.24	9	44.6580	893.16	44.6580	9.0
## 437	82.93	4	16.5860	331.72	16.5860	9.6
## 438	33.99	6	10.1970	203.94	10.1970	7.7
## 439	17.04	4	3.4080	68.16	3.4080	7.0
## 440	40.86	8	16.3440	326.88	16.3440	6.5
## 441	17.44	5	4.3600	87.20	4.3600	8.1
## 442	88.43	8	35.3720	707.44	35.3720	4.3
## 443	89.21	9	40.1445	802.89	40.1445	6.5

## 444	12.78	1	0.6390	12.78	0.6390	9.5
## 445	19.10	7	6.6850	133.70	6.6850	9.7
## 446	19.15	1	0.9575	19.15	0.9575	9.5
## 447	27.66	10	13.8300	276.60	13.8300	8.9
## 448	45.74	3	6.8610	137.22	6.8610	6.5
## 449	27.07	1	1.3535	27.07	1.3535	5.3
## 450	39.12	1	1.9560	39.12	1.9560	9.6
## 451	74.71	6	22.4130	448.26	22.4130	6.7
## 452	22.01	6	6.6030	132.06	6.6030	7.6
## 453	63.61	5	15.9025	318.05	15.9025	4.8
## 454	25.00	1	1.2500	25.00	1.2500	5.5
## 455	20.77	4	4.1540	83.08	4.1540	4.7
## 456	29.56	5	7.3900	147.80	7.3900	6.9
## 457	77.40	9	34.8300	696.60	34.8300	4.5
## 458	79.39	10	39.6950	793.90	39.6950	6.2
## 459	46.57	10	23.2850	465.70	23.2850	7.6
## 460	35.89	1	1.7945	35.89	1.7945	7.9
## 461	40.52	5	10.1300	202.60	10.1300	4.5
## 462	73.05	10	36.5250	730.50	36.5250	8.7
## 463	73.95	4	14.7900	295.80	14.7900	6.1
## 464	22.62	1	1.1310	22.62	1.1310	6.4
## 465	51.34	5	12.8350	256.70	12.8350	9.1
## 466	54.55	10	27.2750	545.50	27.2750	7.1
## 467	37.15	7	13.0025	260.05	13.0025	7.7
## 468	37.02	6	11.1060	222.12	11.1060	4.5
## 469	21.58	1	1.0790	21.58	1.0790	7.2
## 470	98.84	1	4.9420	98.84	4.9420	8.4
## 471	83.77	6	25.1310	502.62	25.1310	5.4
## 472	40.05	4	8.0100	160.20	8.0100	9.7
## 473	43.13	10	21.5650	431.30	21.5650	5.5
## 474	72.57	8	29.0280	580.56	29.0280	4.6
## 475	64.44	5	16.1100	322.20	16.1100	6.6
## 476	65.18	3	9.7770	195.54	9.7770	6.3
## 477	33.26	5	8.3150	166.30	8.3150	4.2
## 478	84.07	4	16.8140	336.28	16.8140	4.4
## 479	34.37	10	17.1850	343.70	17.1850	6.7
## 480	38.60	1	1.9300	38.60	1.9300	6.7
## 481	65.97	8	26.3880	527.76	26.3880	8.4
## 482	32.80	10	16.4000	328.00	16.4000	6.2
## 483	37.14	5	9.2850	185.70	9.2850	5.0
## 484	60.38	10	30.1900	603.80	30.1900	6.0
## 485	36.98	10	18.4900	369.80	18.4900	7.0
## 486	49.49	4	9.8980	197.96	9.8980	6.6
## 487	41.09	10	20.5450	410.90	20.5450	7.3
## 488	37.15	4	7.4300	148.60	7.4300	8.3
## 489	22.96	1	1.1480	22.96	1.1480	4.3
## 490	77.68	9	34.9560	699.12	34.9560	9.8
## 491	34.70	2	3.4700	69.40	3.4700	8.2
## 492	19.66	10	9.8300	196.60	9.8300	7.2
## 493	25.32	8	10.1280	202.56	10.1280	8.7
## 494	12.12	10	6.0600	121.20	6.0600	8.4
## 495	99.89	2	9.9890	199.78	9.9890	7.1
## 496	75.92	8	30.3680	607.36	30.3680	5.5
## 497	63.22	2	6.3220	126.44	6.3220	8.5

## 498	90.24	6	27.0720	541.44	27.0720	6.2
## 499	98.13	1	4.9065	98.13	4.9065	8.9
## 500	51.52	8	20.6080	412.16	20.6080	9.6
## 501	73.97	1	3.6985	73.97	3.6985	5.4
## 502	31.90	1	1.5950	31.90	1.5950	9.1
## 503	69.40	2	6.9400	138.80	6.9400	9.0
## 504	93.31	2	9.3310	186.62	9.3310	6.3
## 505	88.45	1	4.4225	88.45	4.4225	9.5
## 506	24.18	8	9.6720	193.44	9.6720	9.8
## 507	48.50	3	7.2750	145.50	7.2750	6.7
## 508	84.05	6	25.2150	504.30	25.2150	7.7
## 509	61.29	5	15.3225	306.45	15.3225	7.0
## 510	15.95	6	4.7850	95.70	4.7850	5.1
## 511	90.74	7	31.7590	635.18	31.7590	6.2
## 512	42.91	5	10.7275	214.55	10.7275	6.1
## 513	54.28	7	18.9980	379.96	18.9980	9.3
## 514	99.55	7	34.8425	696.85	34.8425	7.6
## 515	58.39	7	20.4365	408.73	20.4365	8.2
## 516	51.47	1	2.5735	51.47	2.5735	8.5
## 517	54.86	5	13.7150	274.30	13.7150	9.8
## 518	39.39	5	9.8475	196.95	9.8475	8.7
## 519	34.73	2	3.4730	69.46	3.4730	9.7
## 520	71.92	5	17.9800	359.60	17.9800	4.3
## 521	45.71	3	6.8565	137.13	6.8565	7.7
## 522	83.17	6	24.9510	499.02	24.9510	7.3
## 523	37.44	6	11.2320	224.64	11.2320	5.9
## 524	62.87	2	6.2870	125.74	6.2870	5.0
## 525	81.71	6	24.5130	490.26	24.5130	8.0
## 526	91.41	5	22.8525	457.05	22.8525	7.1
## 527	39.21	4	7.8420	156.84	7.8420	9.0
## 528	59.86	2	5.9860	119.72	5.9860	6.7
## 529	54.36	10	27.1800	543.60	27.1800	6.1
## 530	98.09	9	44.1405	882.81	44.1405	9.3
## 531	25.43	6	7.6290	152.58	7.6290	7.0
## 532	86.68	8	34.6720	693.44	34.6720	7.2
## 533	22.95	10	11.4750	229.50	11.4750	8.2
## 534	16.31	9	7.3395	146.79	7.3395	8.4
## 535	28.32	5	7.0800	141.60	7.0800	6.2
## 536	16.67	7	5.8345	116.69	5.8345	7.4
## 537	73.96	1	3.6980	73.96	3.6980	5.0
## 538	97.94	1	4.8970	97.94	4.8970	6.9
## 539	73.05	4	14.6100	292.20	14.6100	4.9
## 540	87.48	6	26.2440	524.88	26.2440	5.1
## 541	30.68	3	4.6020	92.04	4.6020	9.1
## 542	75.88	1	3.7940	75.88	3.7940	7.1
## 543	20.18	4	4.0360	80.72	4.0360	5.0
## 544	18.77	6	5.6310	112.62	5.6310	5.5
## 545	71.20	1	3.5600	71.20	3.5600	9.2
## 546	38.81	4	7.7620	155.24	7.7620	4.9
## 547	29.42	10	14.7100	294.20	14.7100	8.9
## 548	60.95	9	27.4275	548.55	27.4275	6.0
## 549	51.54	5	12.8850	257.70	12.8850	4.2
## 550	66.06	6	19.8180	396.36	19.8180	7.3
## 551	57.27	3	8.5905	171.81	8.5905	6.5

## 552	54.31	9	24.4395	488.79	24.4395	8.9
## 553	58.24	9	26.2080	524.16	26.2080	9.7
## 554	22.21	6	6.6630	133.26	6.6630	8.6
## 555	19.32	7	6.7620	135.24	6.7620	6.9
## 556	37.48	3	5.6220	112.44	5.6220	7.7
## 557	72.04	2	7.2040	144.08	7.2040	9.5
## 558	98.52	10	49.2600	985.20	49.2600	4.5
## 559	41.66	6	12.4980	249.96	12.4980	5.6
## 560	72.42	3	10.8630	217.26	10.8630	8.2
## 561	21.58	9	9.7110	194.22	9.7110	7.3
## 562	89.20	10	44.6000	892.00	44.6000	4.4
## 563	42.42	8	16.9680	339.36	16.9680	5.7
## 564	74.51	6	22.3530	447.06	22.3530	5.0
## 565	99.25	2	9.9250	198.50	9.9250	9.0
## 566	81.21	10	40.6050	812.10	40.6050	6.3
## 567	49.33	10	24.6650	493.30	24.6650	9.4
## 568	65.74	9	29.5830	591.66	29.5830	7.7
## 569	79.86	7	27.9510	559.02	27.9510	5.5
## 570	73.98	7	25.8930	517.86	25.8930	4.1
## 571	82.04	5	20.5100	410.20	20.5100	7.6
## 572	26.67	10	13.3350	266.70	13.3350	8.6
## 573	10.13	7	3.5455	70.91	3.5455	8.3
## 574	72.39	2	7.2390	144.78	7.2390	8.1
## 575	85.91	5	21.4775	429.55	21.4775	8.6
## 576	81.31	7	28.4585	569.17	28.4585	6.3
## 577	60.30	4	12.0600	241.20	12.0600	5.8
## 578	31.77	4	6.3540	127.08	6.3540	6.2
## 579	64.27	4	12.8540	257.08	12.8540	7.7
## 580	69.51	2	6.9510	139.02	6.9510	8.1
## 581	27.22	3	4.0830	81.66	4.0830	7.3
## 582	77.68	4	15.5360	310.72	15.5360	8.4
## 583	92.98	2	9.2980	185.96	9.2980	8.0
## 584	18.08	4	3.6160	72.32	3.6160	9.5
## 585	63.06	3	9.4590	189.18	9.4590	7.0
## 586	51.71	4	10.3420	206.84	10.3420	9.8
## 587	52.34	3	7.8510	157.02	7.8510	9.2
## 588	43.06	5	10.7650	215.30	10.7650	7.7
## 589	59.61	10	29.8050	596.10	29.8050	5.3
## 590	14.62	5	3.6550	73.10	3.6550	4.4
## 591	46.53	6	13.9590	279.18	13.9590	4.3
## 592	24.24	7	8.4840	169.68	8.4840	9.4
## 593	45.58	1	2.2790	45.58	2.2790	9.8
## 594	75.20	3	11.2800	225.60	11.2800	4.8
## 595	96.80	3	14.5200	290.40	14.5200	5.3
## 596	14.82	3	2.2230	44.46	2.2230	8.7
## 597	52.20	3	7.8300	156.60	7.8300	9.5
## 598	46.66	9	20.9970	419.94	20.9970	5.3
## 599	36.85	5	9.2125	184.25	9.2125	9.2
## 600	70.32	2	7.0320	140.64	7.0320	9.6
## 601	83.08	1	4.1540	83.08	4.1540	6.4
## 602	64.99	1	3.2495	64.99	3.2495	4.5
## 603	77.56	10	38.7800	775.60	38.7800	6.9
## 604	54.51	6	16.3530	327.06	16.3530	7.8
## 605	51.89	7	18.1615	363.23	18.1615	4.5

## 606	31.75	4	6.3500	127.00	6.3500	8.6
## 607	53.65	7	18.7775	375.55	18.7775	5.2
## 608	49.79	4	9.9580	199.16	9.9580	6.4
## 609	30.61	1	1.5305	30.61	1.5305	5.2
## 610	57.89	2	5.7890	115.78	5.7890	8.9
## 611	28.96	1	1.4480	28.96	1.4480	6.2
## 612	98.97	9	44.5365	890.73	44.5365	6.7
## 613	93.22	3	13.9830	279.66	13.9830	7.2
## 614	80.93	1	4.0465	80.93	4.0465	9.0
## 615	67.45	10	33.7250	674.50	33.7250	4.2
## 616	38.72	9	17.4240	348.48	17.4240	4.2
## 617	72.60	6	21.7800	435.60	21.7800	6.9
## 618	87.91	5	21.9775	439.55	21.9775	4.4
## 619	98.53	6	29.5590	591.18	29.5590	4.0
## 620	43.46	6	13.0380	260.76	13.0380	8.5
## 621	71.68	3	10.7520	215.04	10.7520	9.2
## 622	91.61	1	4.5805	91.61	4.5805	9.8
## 623	94.59	7	33.1065	662.13	33.1065	4.9
## 624	83.25	10	41.6250	832.50	41.6250	4.4
## 625	91.35	1	4.5675	91.35	4.5675	6.8
## 626	78.88	2	7.8880	157.76	7.8880	9.1
## 627	60.87	2	6.0870	121.74	6.0870	8.7
## 628	82.58	10	41.2900	825.80	41.2900	5.0
## 629	53.30	3	7.9950	159.90	7.9950	7.5
## 630	12.09	1	0.6045	12.09	0.6045	8.2
## 631	64.19	10	32.0950	641.90	32.0950	6.7
## 632	78.31	3	11.7465	234.93	11.7465	5.4
## 633	83.77	2	8.3770	167.54	8.3770	7.0
## 634	99.70	3	14.9550	299.10	14.9550	4.7
## 635	79.91	3	11.9865	239.73	11.9865	5.0
## 636	66.47	10	33.2350	664.70	33.2350	5.0
## 637	28.95	7	10.1325	202.65	10.1325	6.0
## 638	46.20	1	2.3100	46.20	2.3100	6.3
## 639	17.63	5	4.4075	88.15	4.4075	8.5
## 640	52.42	3	7.8630	157.26	7.8630	7.5
## 641	98.79	3	14.8185	296.37	14.8185	6.4
## 642	88.55	8	35.4200	708.40	35.4200	4.7
## 643	55.67	2	5.5670	111.34	5.5670	6.0
## 644	72.52	8	29.0080	580.16	29.0080	4.0
## 645	12.05	5	3.0125	60.25	3.0125	5.5
## 646	19.36	9	8.7120	174.24	8.7120	8.7
## 647	70.21	6	21.0630	421.26	21.0630	7.4
## 648	33.63	1	1.6815	33.63	1.6815	5.6
## 649	15.49	2	1.5490	30.98	1.5490	6.3
## 650	24.74	10	12.3700	247.40	12.3700	7.1
## 651	75.66	5	18.9150	378.30	18.9150	7.8
## 652	55.81	6	16.7430	334.86	16.7430	9.9
## 653	72.78	10	36.3900	727.80	36.3900	7.3
## 654	37.32	9	16.7940	335.88	16.7940	5.1
## 655	60.18	4	12.0360	240.72	12.0360	9.4
## 656	15.69	3	2.3535	47.07	2.3535	5.8
## 657	99.69	1	4.9845	99.69	4.9845	8.0
## 658	88.15	3	13.2225	264.45	13.2225	7.9
## 659	27.93	5	6.9825	139.65	6.9825	5.9

## 660	55.45	1	2.7725	55.45	2.7725	4.9
## 661	42.97	3	6.4455	128.91	6.4455	9.3
## 662	17.14	7	5.9990	119.98	5.9990	7.9
## 663	58.75	6	17.6250	352.50	17.6250	5.9
## 664	87.10	10	43.5500	871.00	43.5500	9.9
## 665	98.80	2	9.8800	197.60	9.8800	7.7
## 666	48.63	4	9.7260	194.52	9.7260	7.6
## 667	57.74	3	8.6610	173.22	8.6610	7.7
## 668	17.97	4	3.5940	71.88	3.5940	6.4
## 669	47.71	6	14.3130	286.26	14.3130	4.4
## 670	40.62	2	4.0620	81.24	4.0620	4.1
## 671	56.04	10	28.0200	560.40	28.0200	4.4
## 672	93.40	2	9.3400	186.80	9.3400	5.5
## 673	73.41	3	11.0115	220.23	11.0115	4.0
## 674	33.64	8	13.4560	269.12	13.4560	9.3
## 675	45.48	10	22.7400	454.80	22.7400	4.8
## 676	83.77	2	8.3770	167.54	8.3770	4.6
## 677	64.08	7	22.4280	448.56	22.4280	7.3
## 678	73.47	4	14.6940	293.88	14.6940	6.0
## 679	58.95	10	29.4750	589.50	29.4750	8.1
## 680	48.50	6	14.5500	291.00	14.5500	9.4
## 681	39.48	1	1.9740	39.48	1.9740	6.5
## 682	34.81	1	1.7405	34.81	1.7405	7.0
## 683	49.32	6	14.7960	295.92	14.7960	7.1
## 684	21.48	2	2.1480	42.96	2.1480	6.6
## 685	23.08	6	6.9240	138.48	6.9240	4.9
## 686	49.10	2	4.9100	98.20	4.9100	6.4
## 687	64.83	2	6.4830	129.66	6.4830	8.0
## 688	63.56	10	31.7800	635.60	31.7800	4.3
## 689	72.88	2	7.2880	145.76	7.2880	6.1
## 690	67.10	3	10.0650	201.30	10.0650	7.5
## 691	70.19	9	31.5855	631.71	31.5855	6.7
## 692	55.04	7	19.2640	385.28	19.2640	5.2
## 693	48.63	10	24.3150	486.30	24.3150	8.8
## 694	73.38	7	25.6830	513.66	25.6830	9.5
## 695	52.60	9	23.6700	473.40	23.6700	7.6
## 696	87.37	5	21.8425	436.85	21.8425	6.6
## 697	27.04	4	5.4080	108.16	5.4080	6.9
## 698	62.19	4	12.4380	248.76	12.4380	4.3
## 699	69.58	9	31.3110	626.22	31.3110	7.8
## 700	97.50	10	48.7500	975.00	48.7500	8.0
## 701	60.41	8	24.1640	483.28	24.1640	9.6
## 702	32.32	3	4.8480	96.96	4.8480	4.3
## 703	19.77	10	9.8850	197.70	9.8850	5.0
## 704	80.47	9	36.2115	724.23	36.2115	9.2
## 705	88.39	9	39.7755	795.51	39.7755	6.3
## 706	71.77	7	25.1195	502.39	25.1195	8.9
## 707	43.00	4	8.6000	172.00	8.6000	7.6
## 708	68.98	1	3.4490	68.98	3.4490	4.8
## 709	15.62	8	6.2480	124.96	6.2480	9.1
## 710	25.70	3	3.8550	77.10	3.8550	6.1
## 711	80.62	6	24.1860	483.72	24.1860	9.1
## 712	75.53	4	15.1060	302.12	15.1060	8.3
## 713	77.63	9	34.9335	698.67	34.9335	7.2

## 714	13.85	9	6.2325	124.65	6.2325	6.0
## 715	98.70	8	39.4800	789.60	39.4800	8.5
## 716	35.68	5	8.9200	178.40	8.9200	6.6
## 717	71.46	7	25.0110	500.22	25.0110	4.5
## 718	11.94	3	1.7910	35.82	1.7910	8.1
## 719	45.38	3	6.8070	136.14	6.8070	7.2
## 720	17.48	6	5.2440	104.88	5.2440	6.1
## 721	25.56	7	8.9460	178.92	8.9460	7.1
## 722	90.63	9	40.7835	815.67	40.7835	5.1
## 723	44.12	3	6.6180	132.36	6.6180	7.9
## 724	36.77	7	12.8695	257.39	12.8695	7.4
## 725	23.34	4	4.6680	93.36	4.6680	7.4
## 726	28.50	8	11.4000	228.00	11.4000	6.6
## 727	55.57	3	8.3355	166.71	8.3355	5.9
## 728	69.74	10	34.8700	697.40	34.8700	8.9
## 729	97.26	4	19.4520	389.04	19.4520	6.8
## 730	52.18	7	18.2630	365.26	18.2630	9.3
## 731	22.32	4	4.4640	89.28	4.4640	4.4
## 732	56.00	3	8.4000	168.00	8.4000	4.8
## 733	19.70	1	0.9850	19.70	0.9850	9.5
## 734	75.88	7	26.5580	531.16	26.5580	8.9
## 735	53.72	1	2.6860	53.72	2.6860	6.4
## 736	81.95	10	40.9750	819.50	40.9750	6.0
## 737	81.20	7	28.4200	568.40	28.4200	8.1
## 738	58.76	10	29.3800	587.60	29.3800	9.0
## 739	91.56	8	36.6240	732.48	36.6240	6.0
## 740	93.96	9	42.2820	845.64	42.2820	9.8
## 741	55.61	7	19.4635	389.27	19.4635	8.5
## 742	84.83	1	4.2415	84.83	4.2415	8.8
## 743	71.63	2	7.1630	143.26	7.1630	8.8
## 744	37.69	2	3.7690	75.38	3.7690	9.5
## 745	31.67	8	12.6680	253.36	12.6680	5.6
## 746	38.42	1	1.9210	38.42	1.9210	8.6
## 747	65.23	10	32.6150	652.30	32.6150	5.2
## 748	10.53	5	2.6325	52.65	2.6325	5.8
## 749	12.29	9	5.5305	110.61	5.5305	8.0
## 750	81.23	7	28.4305	568.61	28.4305	9.0
## 751	22.32	4	4.4640	89.28	4.4640	4.1
## 752	27.28	5	6.8200	136.40	6.8200	8.6
## 753	17.42	10	8.7100	174.20	8.7100	7.0
## 754	73.28	5	18.3200	366.40	18.3200	8.4
## 755	84.87	3	12.7305	254.61	12.7305	7.4
## 756	97.29	8	38.9160	778.32	38.9160	6.2
## 757	35.74	8	14.2960	285.92	14.2960	4.9
## 758	96.52	6	28.9560	579.12	28.9560	4.5
## 759	18.85	10	9.4250	188.50	9.4250	5.6
## 760	55.39	4	11.0780	221.56	11.0780	8.0
## 761	77.20	10	38.6000	772.00	38.6000	5.6
## 762	72.13	10	36.0650	721.30	36.0650	4.2
## 763	63.88	8	25.5520	511.04	25.5520	9.9
## 764	10.69	5	2.6725	53.45	2.6725	7.6
## 765	55.50	4	11.1000	222.00	11.1000	6.6
## 766	95.46	8	38.1840	763.68	38.1840	4.7
## 767	76.06	3	11.4090	228.18	11.4090	9.8



## 768	13.69	6	4.1070	82.14	4.1070	6.3
## 769	95.64	4	19.1280	382.56	19.1280	7.9
## 770	11.43	6	3.4290	68.58	3.4290	7.7
## 771	95.54	4	19.1080	382.16	19.1080	4.5
## 772	85.87	7	30.0545	601.09	30.0545	8.0
## 773	67.99	7	23.7965	475.93	23.7965	5.7
## 774	52.42	1	2.6210	52.42	2.6210	6.3
## 775	65.65	2	6.5650	131.30	6.5650	6.0
## 776	28.86	5	7.2150	144.30	7.2150	8.0
## 777	65.31	7	22.8585	457.17	22.8585	4.2
## 778	93.38	1	4.6690	93.38	4.6690	9.6
## 779	25.25	5	6.3125	126.25	6.3125	6.1
## 780	87.87	9	39.5415	790.83	39.5415	5.6
## 781	21.80	8	8.7200	174.40	8.7200	8.3
## 782	94.76	4	18.9520	379.04	18.9520	7.8
## 783	30.62	1	1.5310	30.62	1.5310	4.1
## 784	44.01	8	17.6040	352.08	17.6040	8.8
## 785	10.16	5	2.5400	50.80	2.5400	4.1
## 786	74.58	7	26.1030	522.06	26.1030	9.0
## 787	71.89	8	28.7560	575.12	28.7560	5.5
## 788	10.99	5	2.7475	54.95	2.7475	9.3
## 789	60.47	3	9.0705	181.41	9.0705	5.6
## 790	58.91	7	20.6185	412.37	20.6185	9.7
## 791	46.41	1	2.3205	46.41	2.3205	4.0
## 792	68.55	4	13.7100	274.20	13.7100	9.2
## 793	97.37	10	48.6850	973.70	48.6850	4.9
## 794	92.60	7	32.4100	648.20	32.4100	9.3
## 795	46.61	2	4.6610	93.22	4.6610	6.6
## 796	27.18	2	2.7180	54.36	2.7180	4.3
## 797	60.87	1	3.0435	60.87	3.0435	5.5
## 798	24.49	10	12.2450	244.90	12.2450	8.1
## 799	92.78	1	4.6390	92.78	4.6390	9.8
## 800	86.69	5	21.6725	433.45	21.6725	9.4
## 801	23.01	6	6.9030	138.06	6.9030	7.9
## 802	30.20	8	12.0800	241.60	12.0800	5.1
## 803	67.39	7	23.5865	471.73	23.5865	6.9
## 804	48.96	9	22.0320	440.64	22.0320	8.0
## 805	75.59	9	34.0155	680.31	34.0155	8.0
## 806	77.47	4	15.4940	309.88	15.4940	4.2
## 807	93.18	2	9.3180	186.36	9.3180	8.5
## 808	50.23	4	10.0460	200.92	10.0460	9.0
## 809	17.75	1	0.8875	17.75	0.8875	8.6
## 810	62.18	10	31.0900	621.80	31.0900	6.0
## 811	10.75	8	4.3000	86.00	4.3000	6.2
## 812	40.26	10	20.1300	402.60	20.1300	5.0
## 813	64.97	5	16.2425	324.85	16.2425	6.5
## 814	95.15	1	4.7575	95.15	4.7575	6.0
## 815	48.62	8	19.4480	388.96	19.4480	5.0
## 816	53.21	8	21.2840	425.68	21.2840	5.0
## 817	45.44	7	15.9040	318.08	15.9040	9.2
## 818	33.88	8	13.5520	271.04	13.5520	9.6
## 819	96.16	4	19.2320	384.64	19.2320	8.4
## 820	47.16	5	11.7900	235.80	11.7900	6.0
## 821	52.89	4	10.5780	211.56	10.5780	6.7

## 822	47.68	2	4.7680	95.36	4.7680	4.1
## 823	10.17	1	0.5085	10.17	0.5085	5.9
## 824	68.71	3	10.3065	206.13	10.3065	8.7
## 825	60.08	7	21.0280	420.56	21.0280	4.5
## 826	22.01	4	4.4020	88.04	4.4020	6.6
## 827	72.11	9	32.4495	648.99	32.4495	7.7
## 828	41.28	3	6.1920	123.84	6.1920	8.5
## 829	64.95	10	32.4750	649.50	32.4750	5.2
## 830	74.22	10	37.1100	742.20	37.1100	4.3
## 831	10.56	8	4.2240	84.48	4.2240	7.6
## 832	62.57	4	12.5140	250.28	12.5140	9.5
## 833	11.85	8	4.7400	94.80	4.7400	4.1
## 834	91.30	1	4.5650	91.30	4.5650	9.2
## 835	40.73	7	14.2555	285.11	14.2555	5.4
## 836	52.38	1	2.6190	52.38	2.6190	5.8
## 837	38.54	5	9.6350	192.70	9.6350	5.6
## 838	44.63	6	13.3890	267.78	13.3890	5.1
## 839	55.87	10	27.9350	558.70	27.9350	5.8
## 840	29.22	6	8.7660	175.32	8.7660	5.0
## 841	51.94	3	7.7910	155.82	7.7910	7.9
## 842	60.30	1	3.0150	60.30	3.0150	6.0
## 843	39.47	2	3.9470	78.94	3.9470	5.0
## 844	14.87	2	1.4870	29.74	1.4870	8.9
## 845	21.32	1	1.0660	21.32	1.0660	5.9
## 846	93.78	3	14.0670	281.34	14.0670	5.9
## 847	73.26	1	3.6630	73.26	3.6630	9.7
## 848	22.38	1	1.1190	22.38	1.1190	8.6
## 849	72.88	9	32.7960	655.92	32.7960	4.0
## 850	99.10	6	29.7300	594.60	29.7300	4.2
## 851	74.10	1	3.7050	74.10	3.7050	9.2
## 852	98.48	2	9.8480	196.96	9.8480	9.2
## 853	53.19	7	18.6165	372.33	18.6165	5.0
## 854	52.79	10	26.3950	527.90	26.3950	10.0
## 855	95.95	5	23.9875	479.75	23.9875	8.8
## 856	36.51	9	16.4295	328.59	16.4295	4.2
## 857	21.12	8	8.4480	168.96	8.4480	6.3
## 858	28.31	4	5.6620	113.24	5.6620	8.2
## 859	57.59	6	17.2770	345.54	17.2770	5.1
## 860	47.63	9	21.4335	428.67	21.4335	5.0
## 861	86.27	1	4.3135	86.27	4.3135	7.0
## 862	12.76	2	1.2760	25.52	1.2760	7.8
## 863	11.28	9	5.0760	101.52	5.0760	4.3
## 864	51.07	7	17.8745	357.49	17.8745	7.0
## 865	79.59	3	11.9385	238.77	11.9385	6.6
## 866	33.81	3	5.0715	101.43	5.0715	7.3
## 867	90.53	8	36.2120	724.24	36.2120	6.5
## 868	62.82	2	6.2820	125.64	6.2820	4.9
## 869	24.31	3	3.6465	72.93	3.6465	4.3
## 870	64.59	4	12.9180	258.36	12.9180	9.3
## 871	24.82	7	8.6870	173.74	8.6870	7.1
## 872	56.50	1	2.8250	56.50	2.8250	9.6
## 873	21.43	10	10.7150	214.30	10.7150	6.2
## 874	89.06	6	26.7180	534.36	26.7180	9.9
## 875	23.29	4	4.6580	93.16	4.6580	5.9

## 876	65.26	8	26.1040	522.08	26.1040	6.3
## 877	52.35	1	2.6175	52.35	2.6175	4.0
## 878	39.75	1	1.9875	39.75	1.9875	6.1
## 879	90.02	8	36.0080	720.16	36.0080	4.5
## 880	12.10	8	4.8400	96.80	4.8400	8.6
## 881	33.21	10	16.6050	332.10	16.6050	6.0
## 882	10.18	8	4.0720	81.44	4.0720	9.5
## 883	31.99	10	15.9950	319.90	15.9950	9.9
## 884	34.42	6	10.3260	206.52	10.3260	7.5
## 885	83.34	2	8.3340	166.68	8.3340	7.6
## 886	45.58	7	15.9530	319.06	15.9530	5.0
## 887	87.90	1	4.3950	87.90	4.3950	6.7
## 888	73.47	10	36.7350	734.70	36.7350	9.5
## 889	12.19	8	4.8760	97.52	4.8760	6.8
## 890	76.92	10	38.4600	769.20	38.4600	5.6
## 891	83.66	5	20.9150	418.30	20.9150	7.2
## 892	57.91	8	23.1640	463.28	23.1640	8.1
## 893	92.49	5	23.1225	462.45	23.1225	8.6
## 894	28.38	5	7.0950	141.90	7.0950	9.4
## 895	50.45	6	15.1350	302.70	15.1350	8.9
## 896	99.16	8	39.6640	793.28	39.6640	4.2
## 897	60.74	7	21.2590	425.18	21.2590	5.0
## 898	47.27	6	14.1810	283.62	14.1810	8.8
## 899	85.60	7	29.9600	599.20	29.9600	5.3
## 900	35.04	9	15.7680	315.36	15.7680	4.6
## 901	44.84	9	20.1780	403.56	20.1780	7.5
## 902	45.97	4	9.1940	183.88	9.1940	5.1
## 903	27.73	5	6.9325	138.65	6.9325	4.2
## 904	11.53	7	4.0355	80.71	4.0355	8.1
## 905	58.32	2	5.8320	116.64	5.8320	6.0
## 906	78.38	4	15.6760	313.52	15.6760	7.9
## 907	84.61	10	42.3050	846.10	42.3050	8.8
## 908	82.88	5	20.7200	414.40	20.7200	6.6
## 909	79.54	2	7.9540	159.08	7.9540	6.2
## 910	49.01	10	24.5050	490.10	24.5050	4.2
## 911	29.15	3	4.3725	87.45	4.3725	7.3
## 912	56.13	4	11.2260	224.52	11.2260	8.6
## 913	93.12	8	37.2480	744.96	37.2480	6.8
## 914	51.34	8	20.5360	410.72	20.5360	7.6
## 915	99.60	3	14.9400	298.80	14.9400	5.8
## 916	35.49	6	10.6470	212.94	10.6470	4.1
## 917	42.85	1	2.1425	42.85	2.1425	9.3
## 918	94.67	4	18.9340	378.68	18.9340	6.8
## 919	68.97	3	10.3455	206.91	10.3455	8.7
## 920	26.26	3	3.9390	78.78	3.9390	6.3
## 921	35.79	9	16.1055	322.11	16.1055	5.1
## 922	16.37	6	4.9110	98.22	4.9110	7.0
## 923	12.73	2	1.2730	25.46	1.2730	5.2
## 924	83.14	7	29.0990	581.98	29.0990	6.6
## 925	35.22	6	10.5660	211.32	10.5660	6.5
## 926	13.78	4	2.7560	55.12	2.7560	9.0
## 927	88.31	1	4.4155	88.31	4.4155	5.2
## 928	39.62	9	17.8290	356.58	17.8290	6.8
## 929	88.25	9	39.7125	794.25	39.7125	7.6

## 930	25.31	2	2.5310	50.62	2.5310	7.2
## 931	99.92	6	29.9760	599.52	29.9760	7.1
## 932	83.35	2	8.3350	166.70	8.3350	9.5
## 933	74.44	10	37.2200	744.40	37.2200	5.1
## 934	64.08	7	22.4280	448.56	22.4280	7.6
## 935	63.15	6	18.9450	378.90	18.9450	9.8
## 936	85.72	3	12.8580	257.16	12.8580	5.1
## 937	78.89	7	27.6115	552.23	27.6115	7.5
## 938	89.48	5	22.3700	447.40	22.3700	7.4
## 939	92.09	3	13.8135	276.27	13.8135	4.2
## 940	57.29	6	17.1870	343.74	17.1870	5.9
## 941	66.52	4	13.3040	266.08	13.3040	6.9
## 942	99.82	9	44.9190	898.38	44.9190	6.6
## 943	45.68	10	22.8400	456.80	22.8400	5.7
## 944	50.79	5	12.6975	253.95	12.6975	5.3
## 945	10.08	7	3.5280	70.56	3.5280	4.2
## 946	93.88	7	32.8580	657.16	32.8580	7.3
## 947	84.25	2	8.4250	168.50	8.4250	5.3
## 948	53.78	1	2.6890	53.78	2.6890	4.7
## 949	35.81	5	8.9525	179.05	8.9525	7.9
## 950	26.43	8	10.5720	211.44	10.5720	8.9
## 951	39.91	3	5.9865	119.73	5.9865	9.3
## 952	21.90	3	3.2850	65.70	3.2850	4.7
## 953	62.85	4	12.5700	251.40	12.5700	8.7
## 954	21.04	4	4.2080	84.16	4.2080	7.6
## 955	65.91	6	19.7730	395.46	19.7730	5.7
## 956	42.57	7	14.8995	297.99	14.8995	6.8
## 957	50.49	9	22.7205	454.41	22.7205	5.4
## 958	46.02	6	13.8060	276.12	13.8060	7.1
## 959	15.80	10	7.9000	158.00	7.9000	7.8
## 960	98.66	9	44.3970	887.94	44.3970	8.4
## 961	91.98	1	4.5990	91.98	4.5990	9.8
## 962	20.89	2	2.0890	41.78	2.0890	9.8
## 963	15.50	1	0.7750	15.50	0.7750	7.4
## 964	96.82	3	14.5230	290.46	14.5230	6.7
## 965	33.33	2	3.3330	66.66	3.3330	6.4
## 966	38.27	2	3.8270	76.54	3.8270	5.8
## 967	33.30	9	14.9850	299.70	14.9850	7.2
## 968	81.01	3	12.1515	243.03	12.1515	9.3
## 969	15.80	3	2.3700	47.40	2.3700	9.5
## 970	34.49	5	8.6225	172.45	8.6225	9.0
## 971	84.63	10	42.3150	846.30	42.3150	9.0
## 972	36.91	7	12.9185	258.37	12.9185	6.7
## 973	87.08	7	30.4780	609.56	30.4780	5.5
## 974	80.08	3	12.0120	240.24	12.0120	5.4
## 975	86.13	2	8.6130	172.26	8.6130	8.2
## 976	49.92	2	4.9920	99.84	4.9920	7.0
## 977	74.66	4	14.9320	298.64	14.9320	8.5
## 978	26.60	6	7.9800	159.60	7.9800	4.9
## 979	25.45	1	1.2725	25.45	1.2725	5.1
## 980	67.77	1	3.3885	67.77	3.3885	6.5
## 981	59.59	4	11.9180	238.36	11.9180	9.8
## 982	58.15	4	11.6300	232.60	11.6300	8.4
## 983	97.48	9	43.8660	877.32	43.8660	7.4

```
## 984      99.96      7 34.9860 699.72      34.9860      6.1
## 985      96.37      7 33.7295 674.59      33.7295      6.0
## 986      63.71      5 15.9275 318.55      15.9275      8.5
## 987      14.76      2  1.4760  29.52       1.4760      4.3
## 988      62.00      8 24.8000 496.00      24.8000      6.2
## 989      82.34     10 41.1700 823.40      41.1700      4.3
## 990      75.37      8 30.1480 602.96      30.1480      8.4
## 991      56.56      5 14.1400 282.80      14.1400      4.5
## 992      76.60     10 38.3000 766.00      38.3000      6.0
## 993      58.03      2  5.8030 116.06       5.8030      8.8
## 994      17.49     10  8.7450 174.90       8.7450      6.6
## 995      60.95      1  3.0475  60.95       3.0475      5.9
## 996      40.35      1  2.0175  40.35       2.0175      6.2
## 997      97.38     10 48.6900 973.80      48.6900      4.4
## 998      31.84      1  1.5920  31.84       1.5920      7.7
## 999      65.82      1  3.2910  65.82       3.2910      4.1
## 1000     88.34      7 30.9190 618.38      30.9190      6.6
```

```
# Getting PCA
#
carrefour2.pca = prcomp(carrefour2, center = TRUE, scale = TRUE)
summary(carrefour2.pca)
```

```
## Importance of components:
##              PC1      PC2      PC3      PC4      PC5      PC6
## Standard deviation  1.9817 1.0002 0.9939 0.2909 2.51e-16 1.477e-16
## Proportion of Variance 0.6545 0.1667 0.1646 0.0141 0.00e+00 0.000e+00
## Cumulative Proportion 0.6545 0.8213 0.9859 1.0000 1.00e+00 1.000e+00
```

```
var2=get_pca_var(carrefour2.pca)
var2
```

```
## Principal Component Analysis Results for variables
## =====
##   Name      Description
## 1 "$coord"   "Coordinates for the variables"
## 2 "$cor"     "Correlations between variables and dimensions"
## 3 "$cos2"    "Cos2 for the variables"
## 4 "$contrib" "contributions of the variables"
```

```
#Plotting the contribution of attributes in each PC
var2$coord
```

```
##              Dim.1      Dim.2      Dim.3      Dim.4      Dim.5
## Unit price  -0.65028853  0.272472332 -0.688688310  0.169091876  1.474794e-31
## Quantity   -0.72319924 -0.212196169  0.629584755  0.188623113  7.804973e-32
## Tax         -0.99657430  0.005588289  0.002432359 -0.082477442 -2.025558e-16
## cogs        -0.99657430  0.005588289  0.002432359 -0.082477442  7.405734e-17
## gross income -0.99657430  0.005588289  0.002432359 -0.082477442  1.284984e-16
## Rating      0.04307686  0.938623632  0.342206603 -0.004970078  5.671222e-33
##              Dim.6
## Unit price   2.998112e-33
```

```
## Quantity      -2.215919e-32
## Tax           -1.848979e-17
## cogs          1.124357e-16
## gross income -9.394593e-17
## Rating        -6.591885e-33
```

```
'-----'
```

```
## [1] "-----"
```

```
var2$contrib
```

```
##           Dim.1      Dim.2      Dim.3      Dim.4      Dim.5
## Unit price 10.76777509  7.421323791 4.801535e+01 33.79555458 3.451028e-29
## Quantity  13.31771472  4.501027230 4.012759e+01 42.05367045 9.665600e-30
## Tax       25.28908672  0.003121723 5.989494e-04 8.04052594 6.509913e+01
## cogs      25.28908672  0.003121723 5.989494e-04 8.04052594 8.702062e+00
## gross income 25.28908672 0.003121723 5.989494e-04 8.04052594 2.619881e+01
## Rating     0.04725001 88.068283810 1.185527e+01 0.02919715 5.103161e-32
##           Dim.6
## Unit price 4.121450e-32
## Quantity  2.251450e-30
## Tax       1.567538e+00
## cogs      5.796460e+01
## gross income 4.046786e+01
## Rating     1.992386e-31
```

```
'-----'
```

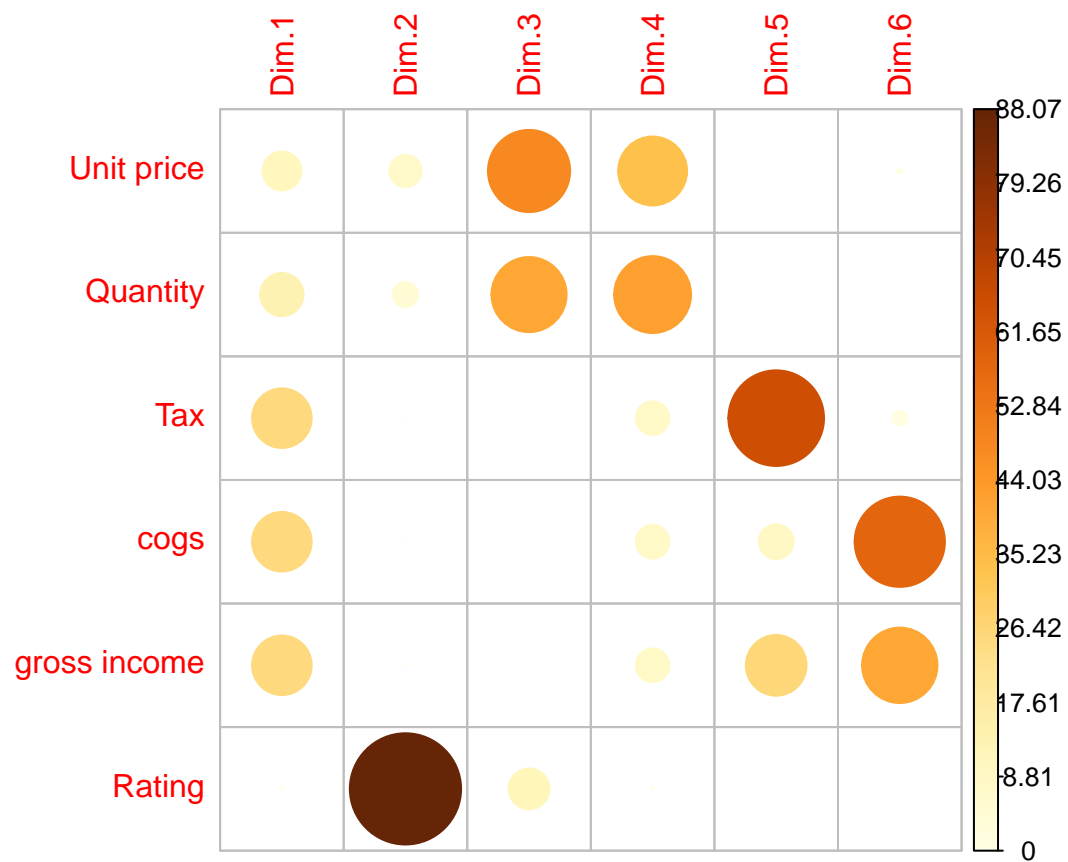
```
## [1] "-----"
```

```
var2$cos2
```

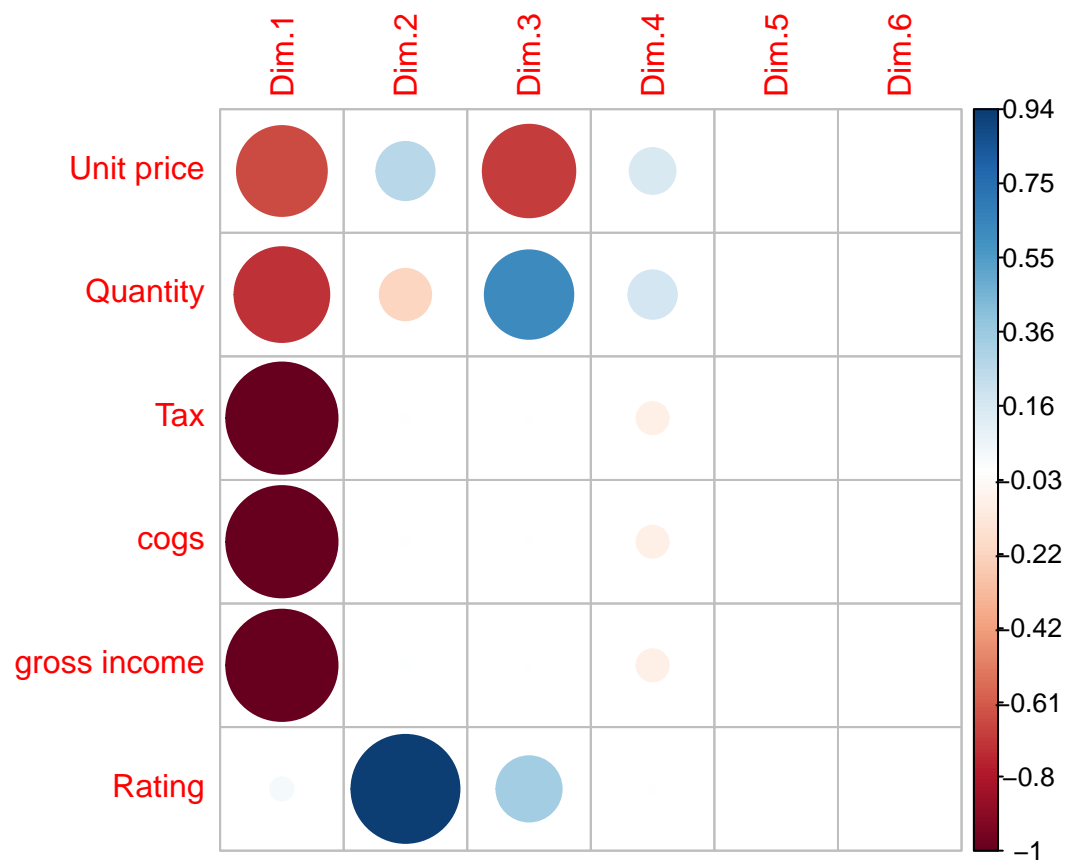
```
##           Dim.1      Dim.2      Dim.3      Dim.4      Dim.5
## Unit price 0.422875177 7.424117e-02 4.742916e-01 2.859206e-02 2.175017e-62
## Quantity  0.523017143 4.502721e-02 3.963770e-01 3.557868e-02 6.091761e-63
## Tax       0.993160326 3.122898e-05 5.916373e-06 6.802528e-03 4.102884e-32
## cogs      0.993160326 3.122898e-05 5.916373e-06 6.802528e-03 5.484490e-33
## gross income 0.993160326 3.122898e-05 5.916373e-06 6.802528e-03 1.651184e-32
## Rating     0.001855616 8.810143e-01 1.171054e-01 2.470167e-05 3.216276e-65
##           Dim.6
## Unit price 8.988677e-66
## Quantity  4.910299e-64
## Tax       3.418723e-34
## cogs      1.264179e-32
## gross income 8.825837e-33
## Rating     4.345294e-65
```

```
#checking attribute contribution using corr plot
```

```
corrplot(var2$contrib, is.corr=FALSE) # u can also use is.corr=F
```



```
corrplot(var2$coord, is.corr=FALSE)
```

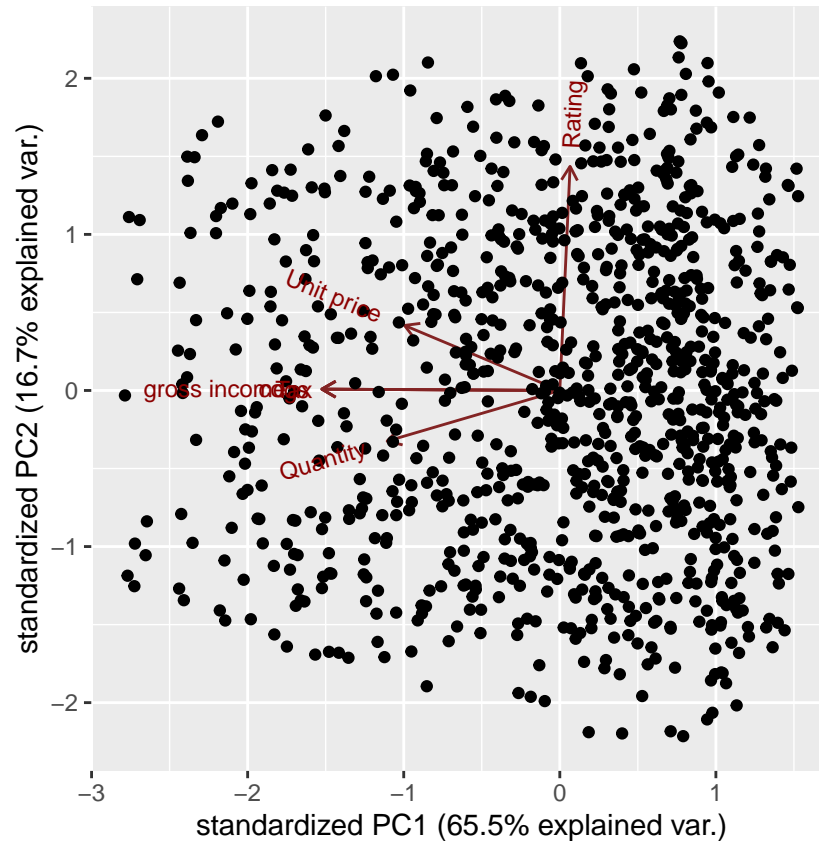


```
corrplot(var2$cos2, is.corr=FALSE)
```





```
# plotting a 2d graph of the above
#
ggbiplot(carrefour2.pca)
```



#### The second analysis differs slightly from the first. This shows similar trends of the variables.

## B) Feature Selection:

```
# Calculating the correlation matrix.
# Find attributes that are highly correlated
#
correlationMatrix <- cor(carrefour)

highlyCorrelated <- findCorrelation(correlationMatrix, cutoff=0.75)

highlyCorrelated
```

```
## [1] 7 9
```

```
names(carrefour[,highlyCorrelated])
```

```
## [1] "Tax" "cogs"
```

```
# We can remove the variables with a higher correlation
# and comparing the results graphically as shown below
# ---
#
```

```
# Removing Redundant Features
# ---
#
carrefour2<-carrefour[!highlyCorrelated]
carrefour2
```

##	Branch	Customer type	Gender	Product line	Unit price	Quantity	Payment
## 1	1	1	1	4	74.69	7	3
## 2	3	2	1	1	15.28	5	1
## 3	1	2	2	5	46.33	7	2
## 4	1	1	2	4	58.22	8	3
## 5	1	2	2	6	86.31	7	3
## 6	3	2	2	1	85.39	7	3
## 7	1	1	1	1	68.84	6	3
## 8	3	2	1	5	73.56	10	3
## 9	1	1	1	4	36.26	2	2
## 10	2	1	1	3	54.84	3	2
## 11	2	1	1	2	14.48	4	3
## 12	2	1	2	1	25.51	4	1
## 13	1	2	1	1	46.95	5	3
## 14	1	2	2	3	43.19	10	3
## 15	1	2	1	4	71.38	10	1
## 16	2	1	1	6	93.72	6	1
## 17	1	1	1	4	68.93	7	2
## 18	1	2	2	6	72.61	6	2
## 19	1	2	2	3	54.67	3	2
## 20	2	2	1	5	40.30	2	3
## 21	3	1	2	1	86.04	5	3
## 22	2	2	2	4	87.98	3	3
## 23	2	2	2	5	33.20	2	2
## 24	1	2	2	1	34.56	5	3
## 25	1	1	2	6	88.63	3	3
## 26	1	1	1	5	52.59	8	2
## 27	2	2	2	2	33.52	1	1
## 28	1	2	1	2	87.67	2	2
## 29	2	2	1	3	88.36	5	1
## 30	1	2	2	4	24.89	9	1
## 31	2	2	2	2	94.13	5	2
## 32	2	1	2	6	78.07	9	1
## 33	2	2	2	6	83.78	8	1
## 34	1	2	2	4	96.58	2	2
## 35	3	1	1	3	99.42	4	3
## 36	3	1	1	6	68.12	1	3
## 37	1	1	2	6	62.62	5	3
## 38	1	2	1	1	60.88	9	3
## 39	3	2	1	4	54.92	8	3
## 40	2	1	2	5	30.12	8	1
## 41	2	1	1	5	86.72	1	3
## 42	3	1	2	5	56.11	2	1
## 43	2	1	1	6	69.12	6	1
## 44	3	1	1	3	98.70	8	1
## 45	3	1	2	4	15.37	2	1
## 46	2	1	1	1	93.96	4	1
## 47	2	1	2	4	56.69	9	2

## 48	2	1	1	3	20.01	9	3
## 49	2	1	2	1	18.93	6	2
## 50	3	1	1	2	82.63	10	3
## 51	3	1	2	3	91.40	7	1
## 52	1	1	1	3	44.59	5	1
## 53	2	1	1	2	17.87	4	3
## 54	3	1	2	2	15.43	1	2
## 55	2	2	2	5	16.16	2	3
## 56	3	2	1	1	85.98	8	1
## 57	1	1	2	5	44.34	2	1
## 58	1	2	2	4	89.60	8	3
## 59	1	1	1	5	72.35	10	1
## 60	3	2	2	1	30.61	6	1
## 61	3	1	1	6	24.74	3	2
## 62	3	2	2	5	55.73	6	3
## 63	2	1	1	6	55.07	9	3
## 64	1	1	2	6	15.81	10	2
## 65	2	1	2	4	75.74	4	1
## 66	1	1	2	4	15.87	10	1
## 67	3	2	1	4	33.47	2	3
## 68	2	1	1	2	97.61	6	3
## 69	1	2	2	6	78.77	10	1
## 70	1	1	1	4	18.33	1	1
## 71	3	2	2	3	89.48	10	2
## 72	3	2	2	2	62.12	10	1
## 73	2	1	1	3	48.52	3	3
## 74	3	2	1	1	75.91	6	1
## 75	1	2	2	5	74.67	9	3
## 76	3	2	1	1	41.65	10	2
## 77	3	1	2	2	49.04	9	2
## 78	1	1	1	2	20.01	9	2
## 79	3	1	1	3	78.31	10	3
## 80	3	2	1	4	20.38	5	1
## 81	3	2	1	4	99.19	6	2
## 82	2	2	1	3	96.68	3	3
## 83	3	2	2	3	19.25	8	3
## 84	3	1	1	3	80.36	4	2
## 85	3	1	2	6	48.91	5	1
## 86	3	2	1	6	83.06	7	3
## 87	3	2	2	2	76.52	5	1
## 88	1	1	2	3	49.38	7	2
## 89	1	2	2	6	42.47	1	1
## 90	2	2	1	4	76.99	6	1
## 91	3	1	1	5	47.38	4	1
## 92	3	2	1	6	44.86	10	3
## 93	1	1	1	6	21.98	7	3
## 94	2	1	2	4	64.36	9	2
## 95	3	2	2	4	89.75	1	2
## 96	1	2	2	1	97.16	1	3
## 97	2	2	2	4	87.87	10	3
## 98	3	2	1	1	12.45	6	1
## 99	1	2	2	3	52.75	3	3
## 100	2	2	2	5	82.70	6	1
## 101	3	1	2	2	48.71	1	1

## 102	3	2	2	2	78.55	9	1
## 103	3	2	1	1	23.07	9	1
## 104	1	2	2	3	58.26	6	1
## 105	2	2	2	4	30.35	7	1
## 106	1	1	2	1	88.67	10	3
## 107	3	2	2	2	27.38	6	2
## 108	1	2	2	6	62.13	6	1
## 109	3	2	1	3	33.98	9	1
## 110	3	1	2	1	81.97	10	1
## 111	2	1	1	6	16.49	2	3
## 112	3	1	1	4	98.21	3	2
## 113	2	2	1	2	72.84	7	1
## 114	1	1	2	5	58.07	9	3
## 115	3	1	1	5	80.79	9	2
## 116	3	2	1	2	27.02	3	2
## 117	2	1	2	2	21.94	5	3
## 118	2	1	2	2	51.36	1	3
## 119	1	2	1	3	10.96	10	3
## 120	2	2	2	5	53.44	2	3
## 121	1	2	1	1	99.56	8	2
## 122	3	1	2	6	57.12	7	2
## 123	2	1	2	6	99.96	9	2
## 124	3	1	2	5	63.91	8	2
## 125	2	1	1	2	56.47	8	3
## 126	1	2	1	5	93.69	7	2
## 127	1	2	1	6	32.25	5	1
## 128	3	2	1	2	31.73	9	2
## 129	3	1	1	3	68.54	8	3
## 130	2	2	1	6	90.28	9	3
## 131	2	2	1	2	39.62	7	1
## 132	1	1	1	6	92.13	6	1
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## 134	2	1	2	1	87.45	6	2
## 135	3	2	1	4	81.30	6	3
## 136	3	2	2	2	90.22	3	1
## 137	1	2	1	1	26.31	5	2
## 138	1	1	1	5	34.42	6	1
## 139	2	2	2	6	51.91	10	1
## 140	1	2	2	6	72.50	8	3
## 141	3	1	1	6	89.80	10	2
## 142	3	1	2	4	90.50	10	1
## 143	3	1	1	4	68.60	10	1
## 144	3	1	1	3	30.41	1	2
## 145	1	2	1	5	77.95	6	3
## 146	3	2	1	4	46.26	6	2
## 147	1	1	1	2	30.14	10	3
## 148	3	2	2	4	66.14	4	2
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## 150	1	2	2	4	32.46	8	2
## 151	2	1	1	2	91.54	4	2
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## 154	3	2	1	3	16.48	6	3
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## 162	1	2	2	6	63.69	1	1
## 163	1	2	2	3	45.79	7	2
## 164	3	2	2	6	76.40	2	3
## 165	2	2	2	3	39.90	10	2
## 166	2	1	2	4	42.57	8	3
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## 175	2	2	2	3	19.79	8	3
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## 179	1	2	2	3	73.88	6	3
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## 191	2	2	1	5	77.04	3	2
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## 206	1	2	1	4	23.03	9	3
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## 253	3	2	1	6	14.39	2	2
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## 271	2	2	1	6	67.43	5	3
## 272	3	1	1	4	21.12	2	1
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## 930	2	2	2	6	25.31	2	3
## 931	2	2	2	5	99.92	6	3
## 932	3	1	1	2	83.35	2	2
## 933	1	2	1	3	74.44	10	3
## 934	3	2	2	4	64.08	7	3
## 935	2	2	1	5	63.15	6	3
## 936	3	1	2	5	85.72	3	3
## 937	3	2	1	4	78.89	7	3
## 938	1	2	1	6	89.48	5	1
## 939	1	1	1	4	92.09	3	1
## 940	3	2	1	3	57.29	6	3
## 941	1	2	2	3	66.52	4	3
## 942	3	1	2	2	99.82	9	1
## 943	1	2	1	5	45.68	10	3
## 944	1	2	2	4	50.79	5	2
## 945	1	1	2	4	10.08	7	1
## 946	1	2	1	1	93.88	7	2
## 947	3	1	2	1	84.25	2	2
## 948	2	1	2	2	53.78	1	3
## 949	3	1	2	5	35.81	5	3
## 950	2	2	1	3	26.43	8	3
## 951	2	1	2	4	39.91	3	3
## 952	2	1	1	5	21.90	3	3
## 953	2	1	1	3	62.85	4	3
## 954	3	1	1	3	21.04	4	1
## 955	2	1	2	5	65.91	6	1
## 956	1	2	1	2	42.57	7	1
## 957	3	1	2	3	50.49	9	1
## 958	2	2	2	1	46.02	6	1
## 959	3	2	1	5	15.80	10	1
## 960	1	1	1	3	98.66	9	1
## 961	3	1	2	2	91.98	1	1
## 962	1	1	2	1	20.89	2	1
## 963	1	2	1	2	15.50	1	2
## 964	3	1	2	1	96.82	3	1
## 965	2	2	2	3	33.33	2	2

## 966	2	2	1	1	38.27	2	2
## 967	1	2	1	5	33.30	9	3
## 968	1	1	2	5	81.01	3	2
## 969	1	2	1	4	15.80	3	1
## 970	2	1	1	1	34.49	5	2
## 971	2	1	1	3	84.63	10	2
## 972	2	1	2	5	36.91	7	3
## 973	2	2	2	1	87.08	7	1
## 974	1	2	2	5	80.08	3	1
## 975	3	2	2	2	86.13	2	1
## 976	2	1	2	2	49.92	2	2
## 977	1	2	1	3	74.66	4	1
## 978	2	1	2	3	26.60	6	3
## 979	2	2	1	1	25.45	1	2
## 980	2	2	1	3	67.77	1	2
## 981	3	1	2	3	59.59	4	1
## 982	1	2	2	4	58.15	4	1
## 983	1	1	1	6	97.48	9	3
## 984	3	2	2	4	99.96	7	1
## 985	3	2	2	1	96.37	7	1
## 986	2	2	1	2	63.71	5	3
## 987	2	2	1	4	14.76	2	3
## 988	2	1	2	4	62.00	8	2
## 989	3	1	2	1	82.34	10	3
## 990	2	1	2	4	75.37	8	2
## 991	1	2	1	3	56.56	5	2
## 992	2	2	1	6	76.60	10	3
## 993	1	2	2	1	58.03	2	3
## 994	2	2	2	2	17.49	10	3
## 995	3	1	1	1	60.95	1	3
## 996	3	2	2	4	40.35	1	3
## 997	2	2	1	5	97.38	10	3
## 998	1	1	2	3	31.84	1	1
## 999	1	2	2	5	65.82	1	1
## 1000	1	1	1	2	88.34	7	1
##	gross income Rating						
## 1	26.1415	9.1					
## 2	3.8200	9.6					
## 3	16.2155	7.4					
## 4	23.2880	8.4					
## 5	30.2085	5.3					
## 6	29.8865	4.1					
## 7	20.6520	5.8					
## 8	36.7800	8.0					
## 9	3.6260	7.2					
## 10	8.2260	5.9					
## 11	2.8960	4.5					
## 12	5.1020	6.8					
## 13	11.7375	7.1					
## 14	21.5950	8.2					
## 15	35.6900	5.7					
## 16	28.1160	4.5					
## 17	24.1255	4.6					
## 18	21.7830	6.9					

## 19	8.2005	8.6
## 20	4.0300	4.4
## 21	21.5100	4.8
## 22	13.1970	5.1
## 23	3.3200	4.4
## 24	8.6400	9.9
## 25	13.2945	6.0
## 26	21.0360	8.5
## 27	1.6760	6.7
## 28	8.7670	7.7
## 29	22.0900	9.6
## 30	11.2005	7.4
## 31	23.5325	4.8
## 32	35.1315	4.5
## 33	33.5120	5.1
## 34	9.6580	5.1
## 35	19.8840	7.5
## 36	3.4060	6.8
## 37	15.6550	7.0
## 38	27.3960	4.7
## 39	21.9680	7.6
## 40	12.0480	7.7
## 41	4.3360	7.9
## 42	5.6110	6.3
## 43	20.7360	5.6
## 44	39.4800	7.6
## 45	1.5370	7.2
## 46	18.7920	9.5
## 47	25.5105	8.4
## 48	9.0045	4.1
## 49	5.6790	8.1
## 50	41.3150	7.9
## 51	31.9900	9.5
## 52	11.1475	8.5
## 53	3.5740	6.5
## 54	0.7715	6.1
## 55	1.6160	6.5
## 56	34.3920	8.2
## 57	4.4340	5.8
## 58	35.8400	6.6
## 59	36.1750	5.4
## 60	9.1830	9.3
## 61	3.7110	10.0
## 62	16.7190	7.0
## 63	24.7815	10.0
## 64	7.9050	8.6
## 65	15.1480	7.6
## 66	7.9350	5.8
## 67	3.3470	6.7
## 68	29.2830	9.9
## 69	39.3850	6.4
## 70	0.9165	4.3
## 71	44.7400	9.6
## 72	31.0600	5.9

## 73	7.2780	4.0
## 74	22.7730	8.7
## 75	33.6015	9.4
## 76	20.8250	5.4
## 77	22.0680	8.6
## 78	9.0045	5.7
## 79	39.1550	6.6
## 80	5.0950	6.0
## 81	29.7570	5.5
## 82	14.5020	6.4
## 83	7.7000	6.6
## 84	16.0720	8.3
## 85	12.2275	6.6
## 86	29.0710	4.0
## 87	19.1300	9.9
## 88	17.2830	7.3
## 89	2.1235	5.7
## 90	23.0970	6.1
## 91	9.4760	7.1
## 92	22.4300	8.2
## 93	7.6930	5.1
## 94	28.9620	8.6
## 95	4.4875	6.6
## 96	4.8580	7.2
## 97	43.9350	5.1
## 98	3.7350	4.1
## 99	7.9125	9.3
## 100	24.8100	7.4
## 101	2.4355	4.1
## 102	35.3475	7.2
## 103	10.3815	4.9
## 104	17.4780	9.9
## 105	10.6225	8.0
## 106	44.3350	7.3
## 107	8.2140	7.9
## 108	18.6390	7.4
## 109	15.2910	4.2
## 110	40.9850	9.2
## 111	1.6490	4.6
## 112	14.7315	7.8
## 113	25.4940	8.4
## 114	26.1315	4.3
## 115	36.3555	9.5
## 116	4.0530	7.1
## 117	5.4850	5.3
## 118	2.5680	5.2
## 119	5.4800	6.0
## 120	5.3440	4.1
## 121	39.8240	5.2
## 122	19.9920	6.5
## 123	44.9820	4.2
## 124	25.5640	4.6
## 125	22.5880	7.3
## 126	32.7915	4.5

## 127	8.0625	9.0
## 128	14.2785	5.9
## 129	27.4160	8.5
## 130	40.6260	7.2
## 131	13.8670	7.5
## 132	27.6390	8.3
## 133	6.9680	7.4
## 134	26.2350	8.8
## 135	24.3900	5.3
## 136	13.5330	6.2
## 137	6.5775	8.8
## 138	10.3260	9.8
## 139	25.9550	8.2
## 140	29.0000	9.2
## 141	44.9000	5.4
## 142	45.2500	8.1
## 143	34.3000	9.1
## 144	1.5205	8.4
## 145	23.3850	8.0
## 146	13.8780	9.5
## 147	15.0700	9.2
## 148	13.2280	5.6
## 149	28.7440	6.2
## 150	12.9840	4.9
## 151	18.3080	4.8
## 152	12.0960	7.3
## 153	37.4580	7.4
## 154	4.9440	9.9
## 155	32.3880	9.3
## 156	23.0725	9.0
## 157	3.6085	6.1
## 158	12.5700	9.7
## 159	43.7490	6.0
## 160	28.0170	10.0
## 161	17.2720	8.3
## 162	3.1845	6.0
## 163	16.0265	7.0
## 164	7.6400	6.5
## 165	19.9500	5.9
## 166	17.0280	5.6
## 167	47.7900	4.8
## 168	49.4900	8.7
## 169	15.3840	6.5
## 170	24.3320	8.5
## 171	17.5025	5.5
## 172	20.0125	9.4
## 173	8.3400	6.3
## 174	15.8670	9.8
## 175	7.9160	8.7
## 176	15.2280	8.8
## 177	8.8680	9.6
## 178	7.8785	4.8
## 179	22.1640	4.4
## 180	13.0200	9.9



## 181	22.4910	5.7
## 182	15.3880	7.7
## 183	7.7500	8.0
## 184	13.7240	5.7
## 185	4.3190	6.7
## 186	2.7120	8.0
## 187	37.7960	7.5
## 188	9.2940	7.0
## 189	3.7035	9.9
## 190	13.9620	5.9
## 191	11.5560	7.2
## 192	7.3520	4.6
## 193	39.5100	9.2
## 194	5.1100	5.7
## 195	8.1775	9.9
## 196	3.7145	5.0
## 197	4.3700	4.9
## 198	1.2645	6.1
## 199	8.3000	8.2
## 200	17.8475	5.5
## 201	5.7450	6.8
## 202	11.4980	6.6
## 203	21.4935	9.8
## 204	12.9500	8.7
## 205	4.4425	5.4
## 206	10.3635	7.9
## 207	29.9925	9.7
## 208	14.2650	7.8
## 209	4.5555	5.1
## 210	44.8785	6.5
## 211	11.8035	5.9
## 212	41.9670	8.8
## 213	23.0900	4.9
## 214	6.9630	4.4
## 215	10.3635	6.5
## 216	0.9140	8.3
## 217	6.1925	8.5
## 218	14.1960	5.5
## 219	37.9480	8.7
## 220	8.6010	7.9
## 221	13.6050	6.1
## 222	21.7280	5.4
## 223	2.9525	9.4
## 224	0.6270	8.2
## 225	4.3250	6.2
## 226	8.7160	9.7
## 227	31.2165	4.0
## 228	7.4120	9.7
## 229	27.2100	5.3
## 230	25.3680	7.4
## 231	8.1370	6.5
## 232	1.5885	8.7
## 233	37.8405	8.0
## 234	14.7640	6.7

## 235	25.9700	6.5
## 236	9.3140	4.1
## 237	4.3525	4.9
## 238	11.0550	8.6
## 239	3.3050	4.3
## 240	4.4845	4.9
## 241	11.2230	5.6
## 242	5.9770	5.8
## 243	9.3200	6.0
## 244	12.5300	4.2
## 245	37.5480	8.3
## 246	19.0360	5.7
## 247	12.2100	4.8
## 248	4.4850	6.8
## 249	15.5440	8.8
## 250	25.5710	4.2
## 251	20.9475	6.4
## 252	17.5950	8.4
## 253	1.4390	7.2
## 254	4.7500	5.2
## 255	23.5600	8.9
## 256	6.5240	9.0
## 257	3.3175	9.7
## 258	7.7730	8.7
## 259	6.4500	6.5
## 260	13.1880	6.9
## 261	33.7770	6.2
## 262	3.2900	5.6
## 263	7.6600	5.7
## 264	11.1200	4.2
## 265	2.7225	7.9
## 266	34.4400	8.7
## 267	7.0940	6.9
## 268	37.3000	9.5
## 269	14.1480	4.4
## 270	17.7700	7.0
## 271	16.8575	6.3
## 272	2.1120	9.7
## 273	9.6930	8.8
## 274	1.2030	5.1
## 275	29.9130	7.9
## 276	16.7895	6.2
## 277	10.9100	7.1
## 278	19.0840	6.4
## 279	35.4950	5.7
## 280	22.0100	9.6
## 281	27.9840	6.4
## 282	1.8500	7.9
## 283	0.7670	6.5
## 284	29.9490	8.5
## 285	9.5340	9.1
## 286	16.6700	7.6
## 287	3.7430	6.9
## 288	10.6875	9.5

## 289	16.9785	5.2
## 290	33.2080	4.2
## 291	20.1500	7.0
## 292	9.7475	6.0
## 293	3.1240	4.7
## 294	3.6360	7.1
## 295	9.0550	5.9
## 296	12.9800	7.5
## 297	5.7680	6.4
## 298	23.5140	5.8
## 299	12.0020	4.5
## 300	4.4305	7.7
## 301	9.9820	6.7
## 302	1.9505	4.7
## 303	2.4305	4.4
## 304	10.2380	4.7
## 305	5.9840	8.6
## 306	25.2700	4.3
## 307	14.0805	9.6
## 308	35.5160	4.1
## 309	3.9720	4.7
## 310	8.1910	7.8
## 311	23.9790	5.5
## 312	6.9330	9.7
## 313	3.5575	4.4
## 314	6.9975	5.0
## 315	39.0650	4.4
## 316	9.9370	5.2
## 317	3.1620	7.3
## 318	18.6975	4.9
## 319	10.3845	8.1
## 320	8.8140	8.4
## 321	10.3185	5.5
## 322	1.9710	8.4
## 323	4.5780	9.8
## 324	15.4425	6.7
## 325	6.4560	9.4
## 326	19.5480	6.4
## 327	24.9450	5.4
## 328	18.8520	8.6
## 329	10.2260	4.0
## 330	7.2720	7.6
## 331	9.9090	6.8
## 332	4.9350	9.1
## 333	19.2550	5.5
## 334	2.3480	7.9
## 335	3.6750	8.5
## 336	7.1125	9.1
## 337	34.3800	7.5
## 338	17.3850	5.2
## 339	7.1475	9.5
## 340	19.2690	8.9
## 341	7.2135	7.8
## 342	19.5895	8.9

## 343	26.9150	7.7
## 344	24.2575	9.3
## 345	6.6975	6.2
## 346	35.0685	7.6
## 347	3.5975	7.3
## 348	35.7000	4.7
## 349	9.1070	5.1
## 350	6.7500	4.8
## 351	49.6500	6.6
## 352	18.0915	5.5
## 353	19.1555	8.5
## 354	12.1500	4.8
## 355	1.5120	8.4
## 356	17.8280	7.8
## 357	18.7750	9.3
## 358	47.7200	5.2
## 359	4.1250	6.5
## 360	3.7485	5.6
## 361	32.3840	7.4
## 362	37.7880	9.1
## 363	9.9790	8.0
## 364	21.9660	7.2
## 365	8.2480	7.1
## 366	16.3360	9.1
## 367	23.0940	5.6
## 368	13.1880	6.0
## 369	7.1800	5.4
## 370	9.6750	7.8
## 371	9.1910	9.9
## 372	6.0960	4.9
## 373	21.0330	5.2
## 374	12.6240	8.9
## 375	16.7725	9.1
## 376	24.1750	7.0
## 377	15.9210	9.6
## 378	33.4215	8.7
## 379	19.3960	9.4
## 380	4.7300	4.0
## 381	16.4660	7.5
## 382	2.6610	4.2
## 383	24.9225	9.9
## 384	14.9780	4.2
## 385	10.2350	9.9
## 386	3.7910	5.8
## 387	14.0310	6.0
## 388	16.1600	10.0
## 389	24.3315	9.5
## 390	6.3770	6.6
## 391	12.0720	8.1
## 392	18.9750	9.7
## 393	3.8410	7.2
## 394	26.1300	6.2
## 395	3.9870	7.3
## 396	19.3750	4.3

## 397	13.5675	4.6
## 398	6.1155	5.8
## 399	12.3180	8.3
## 400	8.6580	8.0
## 401	11.8290	9.4
## 402	9.2440	6.2
## 403	0.6990	9.8
## 404	9.9375	9.6
## 405	34.2265	4.9
## 406	13.4520	8.0
## 407	3.4475	7.8
## 408	13.7420	4.1
## 409	11.3060	5.5
## 410	5.9550	5.4
## 411	17.1050	5.1
## 412	2.1870	6.9
## 413	5.2425	7.8
## 414	3.8760	6.6
## 415	20.3720	9.2
## 416	4.8055	7.8
## 417	9.0760	8.7
## 418	4.0755	9.2
## 419	5.7220	8.3
## 420	8.8270	8.2
## 421	5.7900	7.5
## 422	12.6075	9.8
## 423	48.6050	8.7
## 424	10.1680	6.7
## 425	0.8140	5.0
## 426	18.2745	7.0
## 427	18.6095	8.9
## 428	3.1305	8.0
## 429	16.8175	6.9
## 430	45.3250	7.3
## 431	6.9080	6.9
## 432	4.3270	5.7
## 433	7.0380	6.4
## 434	33.4390	9.6
## 435	2.3720	6.8
## 436	44.6580	9.0
## 437	16.5860	9.6
## 438	10.1970	7.7
## 439	3.4080	7.0
## 440	16.3440	6.5
## 441	4.3600	8.1
## 442	35.3720	4.3
## 443	40.1445	6.5
## 444	0.6390	9.5
## 445	6.6850	9.7
## 446	0.9575	9.5
## 447	13.8300	8.9
## 448	6.8610	6.5
## 449	1.3535	5.3
## 450	1.9560	9.6

## 451	22.4130	6.7
## 452	6.6030	7.6
## 453	15.9025	4.8
## 454	1.2500	5.5
## 455	4.1540	4.7
## 456	7.3900	6.9
## 457	34.8300	4.5
## 458	39.6950	6.2
## 459	23.2850	7.6
## 460	1.7945	7.9
## 461	10.1300	4.5
## 462	36.5250	8.7
## 463	14.7900	6.1
## 464	1.1310	6.4
## 465	12.8350	9.1
## 466	27.2750	7.1
## 467	13.0025	7.7
## 468	11.1060	4.5
## 469	1.0790	7.2
## 470	4.9420	8.4
## 471	25.1310	5.4
## 472	8.0100	9.7
## 473	21.5650	5.5
## 474	29.0280	4.6
## 475	16.1100	6.6
## 476	9.7770	6.3
## 477	8.3150	4.2
## 478	16.8140	4.4
## 479	17.1850	6.7
## 480	1.9300	6.7
## 481	26.3880	8.4
## 482	16.4000	6.2
## 483	9.2850	5.0
## 484	30.1900	6.0
## 485	18.4900	7.0
## 486	9.8980	6.6
## 487	20.5450	7.3
## 488	7.4300	8.3
## 489	1.1480	4.3
## 490	34.9560	9.8
## 491	3.4700	8.2
## 492	9.8300	7.2
## 493	10.1280	8.7
## 494	6.0600	8.4
## 495	9.9890	7.1
## 496	30.3680	5.5
## 497	6.3220	8.5
## 498	27.0720	6.2
## 499	4.9065	8.9
## 500	20.6080	9.6
## 501	3.6985	5.4
## 502	1.5950	9.1
## 503	6.9400	9.0
## 504	9.3310	6.3

## 505	4.4225	9.5
## 506	9.6720	9.8
## 507	7.2750	6.7
## 508	25.2150	7.7
## 509	15.3225	7.0
## 510	4.7850	5.1
## 511	31.7590	6.2
## 512	10.7275	6.1
## 513	18.9980	9.3
## 514	34.8425	7.6
## 515	20.4365	8.2
## 516	2.5735	8.5
## 517	13.7150	9.8
## 518	9.8475	8.7
## 519	3.4730	9.7
## 520	17.9800	4.3
## 521	6.8565	7.7
## 522	24.9510	7.3
## 523	11.2320	5.9
## 524	6.2870	5.0
## 525	24.5130	8.0
## 526	22.8525	7.1
## 527	7.8420	9.0
## 528	5.9860	6.7
## 529	27.1800	6.1
## 530	44.1405	9.3
## 531	7.6290	7.0
## 532	34.6720	7.2
## 533	11.4750	8.2
## 534	7.3395	8.4
## 535	7.0800	6.2
## 536	5.8345	7.4
## 537	3.6980	5.0
## 538	4.8970	6.9
## 539	14.6100	4.9
## 540	26.2440	5.1
## 541	4.6020	9.1
## 542	3.7940	7.1
## 543	4.0360	5.0
## 544	5.6310	5.5
## 545	3.5600	9.2
## 546	7.7620	4.9
## 547	14.7100	8.9
## 548	27.4275	6.0
## 549	12.8850	4.2
## 550	19.8180	7.3
## 551	8.5905	6.5
## 552	24.4395	8.9
## 553	26.2080	9.7
## 554	6.6630	8.6
## 555	6.7620	6.9
## 556	5.6220	7.7
## 557	7.2040	9.5
## 558	49.2600	4.5

## 559	12.4980	5.6
## 560	10.8630	8.2
## 561	9.7110	7.3
## 562	44.6000	4.4
## 563	16.9680	5.7
## 564	22.3530	5.0
## 565	9.9250	9.0
## 566	40.6050	6.3
## 567	24.6650	9.4
## 568	29.5830	7.7
## 569	27.9510	5.5
## 570	25.8930	4.1
## 571	20.5100	7.6
## 572	13.3350	8.6
## 573	3.5455	8.3
## 574	7.2390	8.1
## 575	21.4775	8.6
## 576	28.4585	6.3
## 577	12.0600	5.8
## 578	6.3540	6.2
## 579	12.8540	7.7
## 580	6.9510	8.1
## 581	4.0830	7.3
## 582	15.5360	8.4
## 583	9.2980	8.0
## 584	3.6160	9.5
## 585	9.4590	7.0
## 586	10.3420	9.8
## 587	7.8510	9.2
## 588	10.7650	7.7
## 589	29.8050	5.3
## 590	3.6550	4.4
## 591	13.9590	4.3
## 592	8.4840	9.4
## 593	2.2790	9.8
## 594	11.2800	4.8
## 595	14.5200	5.3
## 596	2.2230	8.7
## 597	7.8300	9.5
## 598	20.9970	5.3
## 599	9.2125	9.2
## 600	7.0320	9.6
## 601	4.1540	6.4
## 602	3.2495	4.5
## 603	38.7800	6.9
## 604	16.3530	7.8
## 605	18.1615	4.5
## 606	6.3500	8.6
## 607	18.7775	5.2
## 608	9.9580	6.4
## 609	1.5305	5.2
## 610	5.7890	8.9
## 611	1.4480	6.2
## 612	44.5365	6.7



## 613	13.9830	7.2
## 614	4.0465	9.0
## 615	33.7250	4.2
## 616	17.4240	4.2
## 617	21.7800	6.9
## 618	21.9775	4.4
## 619	29.5590	4.0
## 620	13.0380	8.5
## 621	10.7520	9.2
## 622	4.5805	9.8
## 623	33.1065	4.9
## 624	41.6250	4.4
## 625	4.5675	6.8
## 626	7.8880	9.1
## 627	6.0870	8.7
## 628	41.2900	5.0
## 629	7.9950	7.5
## 630	0.6045	8.2
## 631	32.0950	6.7
## 632	11.7465	5.4
## 633	8.3770	7.0
## 634	14.9550	4.7
## 635	11.9865	5.0
## 636	33.2350	5.0
## 637	10.1325	6.0
## 638	2.3100	6.3
## 639	4.4075	8.5
## 640	7.8630	7.5
## 641	14.8185	6.4
## 642	35.4200	4.7
## 643	5.5670	6.0
## 644	29.0080	4.0
## 645	3.0125	5.5
## 646	8.7120	8.7
## 647	21.0630	7.4
## 648	1.6815	5.6
## 649	1.5490	6.3
## 650	12.3700	7.1
## 651	18.9150	7.8
## 652	16.7430	9.9
## 653	36.3900	7.3
## 654	16.7940	5.1
## 655	12.0360	9.4
## 656	2.3535	5.8
## 657	4.9845	8.0
## 658	13.2225	7.9
## 659	6.9825	5.9
## 660	2.7725	4.9
## 661	6.4455	9.3
## 662	5.9990	7.9
## 663	17.6250	5.9
## 664	43.5500	9.9
## 665	9.8800	7.7
## 666	9.7260	7.6

## 667	8.6610	7.7
## 668	3.5940	6.4
## 669	14.3130	4.4
## 670	4.0620	4.1
## 671	28.0200	4.4
## 672	9.3400	5.5
## 673	11.0115	4.0
## 674	13.4560	9.3
## 675	22.7400	4.8
## 676	8.3770	4.6
## 677	22.4280	7.3
## 678	14.6940	6.0
## 679	29.4750	8.1
## 680	14.5500	9.4
## 681	1.9740	6.5
## 682	1.7405	7.0
## 683	14.7960	7.1
## 684	2.1480	6.6
## 685	6.9240	4.9
## 686	4.9100	6.4
## 687	6.4830	8.0
## 688	31.7800	4.3
## 689	7.2880	6.1
## 690	10.0650	7.5
## 691	31.5855	6.7
## 692	19.2640	5.2
## 693	24.3150	8.8
## 694	25.6830	9.5
## 695	23.6700	7.6
## 696	21.8425	6.6
## 697	5.4080	6.9
## 698	12.4380	4.3
## 699	31.3110	7.8
## 700	48.7500	8.0
## 701	24.1640	9.6
## 702	4.8480	4.3
## 703	9.8850	5.0
## 704	36.2115	9.2
## 705	39.7755	6.3
## 706	25.1195	8.9
## 707	8.6000	7.6
## 708	3.4490	4.8
## 709	6.2480	9.1
## 710	3.8550	6.1
## 711	24.1860	9.1
## 712	15.1060	8.3
## 713	34.9335	7.2
## 714	6.2325	6.0
## 715	39.4800	8.5
## 716	8.9200	6.6
## 717	25.0110	4.5
## 718	1.7910	8.1
## 719	6.8070	7.2
## 720	5.2440	6.1

## 721	8.9460	7.1
## 722	40.7835	5.1
## 723	6.6180	7.9
## 724	12.8695	7.4
## 725	4.6680	7.4
## 726	11.4000	6.6
## 727	8.3355	5.9
## 728	34.8700	8.9
## 729	19.4520	6.8
## 730	18.2630	9.3
## 731	4.4640	4.4
## 732	8.4000	4.8
## 733	0.9850	9.5
## 734	26.5580	8.9
## 735	2.6860	6.4
## 736	40.9750	6.0
## 737	28.4200	8.1
## 738	29.3800	9.0
## 739	36.6240	6.0
## 740	42.2820	9.8
## 741	19.4635	8.5
## 742	4.2415	8.8
## 743	7.1630	8.8
## 744	3.7690	9.5
## 745	12.6680	5.6
## 746	1.9210	8.6
## 747	32.6150	5.2
## 748	2.6325	5.8
## 749	5.5305	8.0
## 750	28.4305	9.0
## 751	4.4640	4.1
## 752	6.8200	8.6
## 753	8.7100	7.0
## 754	18.3200	8.4
## 755	12.7305	7.4
## 756	38.9160	6.2
## 757	14.2960	4.9
## 758	28.9560	4.5
## 759	9.4250	5.6
## 760	11.0780	8.0
## 761	38.6000	5.6
## 762	36.0650	4.2
## 763	25.5520	9.9
## 764	2.6725	7.6
## 765	11.1000	6.6
## 766	38.1840	4.7
## 767	11.4090	9.8
## 768	4.1070	6.3
## 769	19.1280	7.9
## 770	3.4290	7.7
## 771	19.1080	4.5
## 772	30.0545	8.0
## 773	23.7965	5.7
## 774	2.6210	6.3

## 775	6.5650	6.0
## 776	7.2150	8.0
## 777	22.8585	4.2
## 778	4.6690	9.6
## 779	6.3125	6.1
## 780	39.5415	5.6
## 781	8.7200	8.3
## 782	18.9520	7.8
## 783	1.5310	4.1
## 784	17.6040	8.8
## 785	2.5400	4.1
## 786	26.1030	9.0
## 787	28.7560	5.5
## 788	2.7475	9.3
## 789	9.0705	5.6
## 790	20.6185	9.7
## 791	2.3205	4.0
## 792	13.7100	9.2
## 793	48.6850	4.9
## 794	32.4100	9.3
## 795	4.6610	6.6
## 796	2.7180	4.3
## 797	3.0435	5.5
## 798	12.2450	8.1
## 799	4.6390	9.8
## 800	21.6725	9.4
## 801	6.9030	7.9
## 802	12.0800	5.1
## 803	23.5865	6.9
## 804	22.0320	8.0
## 805	34.0155	8.0
## 806	15.4940	4.2
## 807	9.3180	8.5
## 808	10.0460	9.0
## 809	0.8875	8.6
## 810	31.0900	6.0
## 811	4.3000	6.2
## 812	20.1300	5.0
## 813	16.2425	6.5
## 814	4.7575	6.0
## 815	19.4480	5.0
## 816	21.2840	5.0
## 817	15.9040	9.2
## 818	13.5520	9.6
## 819	19.2320	8.4
## 820	11.7900	6.0
## 821	10.5780	6.7
## 822	4.7680	4.1
## 823	0.5085	5.9
## 824	10.3065	8.7
## 825	21.0280	4.5
## 826	4.4020	6.6
## 827	32.4495	7.7
## 828	6.1920	8.5

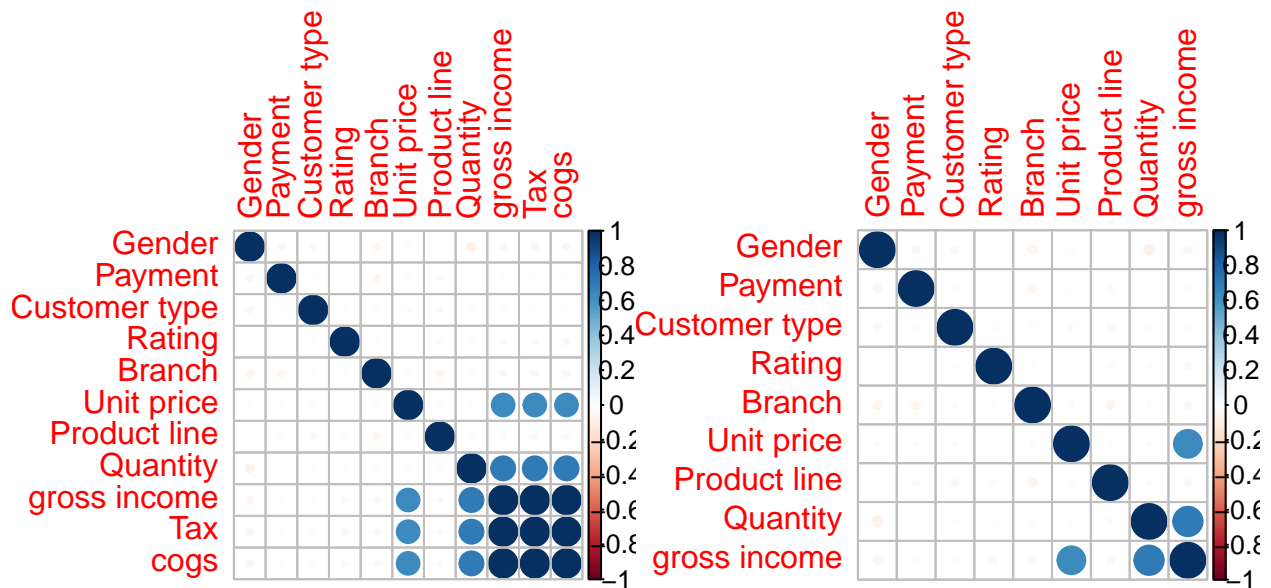
## 829	32.4750	5.2
## 830	37.1100	4.3
## 831	4.2240	7.6
## 832	12.5140	9.5
## 833	4.7400	4.1
## 834	4.5650	9.2
## 835	14.2555	5.4
## 836	2.6190	5.8
## 837	9.6350	5.6
## 838	13.3890	5.1
## 839	27.9350	5.8
## 840	8.7660	5.0
## 841	7.7910	7.9
## 842	3.0150	6.0
## 843	3.9470	5.0
## 844	1.4870	8.9
## 845	1.0660	5.9
## 846	14.0670	5.9
## 847	3.6630	9.7
## 848	1.1190	8.6
## 849	32.7960	4.0
## 850	29.7300	4.2
## 851	3.7050	9.2
## 852	9.8480	9.2
## 853	18.6165	5.0
## 854	26.3950	10.0
## 855	23.9875	8.8
## 856	16.4295	4.2
## 857	8.4480	6.3
## 858	5.6620	8.2
## 859	17.2770	5.1
## 860	21.4335	5.0
## 861	4.3135	7.0
## 862	1.2760	7.8
## 863	5.0760	4.3
## 864	17.8745	7.0
## 865	11.9385	6.6
## 866	5.0715	7.3
## 867	36.2120	6.5
## 868	6.2820	4.9
## 869	3.6465	4.3
## 870	12.9180	9.3
## 871	8.6870	7.1
## 872	2.8250	9.6
## 873	10.7150	6.2
## 874	26.7180	9.9
## 875	4.6580	5.9
## 876	26.1040	6.3
## 877	2.6175	4.0
## 878	1.9875	6.1
## 879	36.0080	4.5
## 880	4.8400	8.6
## 881	16.6050	6.0
## 882	4.0720	9.5

## 883	15.9950	9.9
## 884	10.3260	7.5
## 885	8.3340	7.6
## 886	15.9530	5.0
## 887	4.3950	6.7
## 888	36.7350	9.5
## 889	4.8760	6.8
## 890	38.4600	5.6
## 891	20.9150	7.2
## 892	23.1640	8.1
## 893	23.1225	8.6
## 894	7.0950	9.4
## 895	15.1350	8.9
## 896	39.6640	4.2
## 897	21.2590	5.0
## 898	14.1810	8.8
## 899	29.9600	5.3
## 900	15.7680	4.6
## 901	20.1780	7.5
## 902	9.1940	5.1
## 903	6.9325	4.2
## 904	4.0355	8.1
## 905	5.8320	6.0
## 906	15.6760	7.9
## 907	42.3050	8.8
## 908	20.7200	6.6
## 909	7.9540	6.2
## 910	24.5050	4.2
## 911	4.3725	7.3
## 912	11.2260	8.6
## 913	37.2480	6.8
## 914	20.5360	7.6
## 915	14.9400	5.8
## 916	10.6470	4.1
## 917	2.1425	9.3
## 918	18.9340	6.8
## 919	10.3455	8.7
## 920	3.9390	6.3
## 921	16.1055	5.1
## 922	4.9110	7.0
## 923	1.2730	5.2
## 924	29.0990	6.6
## 925	10.5660	6.5
## 926	2.7560	9.0
## 927	4.4155	5.2
## 928	17.8290	6.8
## 929	39.7125	7.6
## 930	2.5310	7.2
## 931	29.9760	7.1
## 932	8.3350	9.5
## 933	37.2200	5.1
## 934	22.4280	7.6
## 935	18.9450	9.8
## 936	12.8580	5.1

## 937	27.6115	7.5
## 938	22.3700	7.4
## 939	13.8135	4.2
## 940	17.1870	5.9
## 941	13.3040	6.9
## 942	44.9190	6.6
## 943	22.8400	5.7
## 944	12.6975	5.3
## 945	3.5280	4.2
## 946	32.8580	7.3
## 947	8.4250	5.3
## 948	2.6890	4.7
## 949	8.9525	7.9
## 950	10.5720	8.9
## 951	5.9865	9.3
## 952	3.2850	4.7
## 953	12.5700	8.7
## 954	4.2080	7.6
## 955	19.7730	5.7
## 956	14.8995	6.8
## 957	22.7205	5.4
## 958	13.8060	7.1
## 959	7.9000	7.8
## 960	44.3970	8.4
## 961	4.5990	9.8
## 962	2.0890	9.8
## 963	0.7750	7.4
## 964	14.5230	6.7
## 965	3.3330	6.4
## 966	3.8270	5.8
## 967	14.9850	7.2
## 968	12.1515	9.3
## 969	2.3700	9.5
## 970	8.6225	9.0
## 971	42.3150	9.0
## 972	12.9185	6.7
## 973	30.4780	5.5
## 974	12.0120	5.4
## 975	8.6130	8.2
## 976	4.9920	7.0
## 977	14.9320	8.5
## 978	7.9800	4.9
## 979	1.2725	5.1
## 980	3.3885	6.5
## 981	11.9180	9.8
## 982	11.6300	8.4
## 983	43.8660	7.4
## 984	34.9860	6.1
## 985	33.7295	6.0
## 986	15.9275	8.5
## 987	1.4760	4.3
## 988	24.8000	6.2
## 989	41.1700	4.3
## 990	30.1480	8.4

```
## 991      14.1400    4.5
## 992      38.3000    6.0
## 993       5.8030    8.8
## 994       8.7450    6.6
## 995       3.0475    5.9
## 996       2.0175    6.2
## 997      48.6900    4.4
## 998       1.5920    7.7
## 999       3.2910    4.1
## 1000     30.9190    6.6
```

```
# Performing our graphical comparison
# ---
#
par(mfrow = c(1, 2))
corrplot(correlationMatrix, order = "hclust")
corrplot(cor(carrefour2), order = "hclust")
```



#### Tax and cogs are redundant features. The above shows that gross income, quantity and unit price contribute the most to the total sales that the supermarket gets