

Carrefour

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RESEARCH QUESTION

You are a Data analyst at Carrefour Kenya and are currently undertaking a project that will inform the marketing department on the most relevant marketing strategies that will result in the highest no. of sales (total price including tax). Your project has been divided into four parts where you'll explore a recent marketing dataset by performing various unsupervised learning techniques and later providing recommendations based on your insights.

PROBLEM STATEMENT

To identify on the most important market strategies that will result to high number of sales.

METRIC FOR SUCCESS

I. Perform PCA II. Perform feature selection and identify highly correlated values and drop them. III. Perform Association analysis to identify products that were bought together. Iv. Perform Anomaly detection to identify unusual sales

EXPERIMENTA DESIGN

I. Load the data II. Check for outliers and missing values III. Perform PCA/t-SNE, Feature selection, Association detection and Anomaly detection IV. Conclusions and Recommendations

```
getwd()
```

```
## [1] "C:/Users/FGakori/Documents/carrefourr"
```

1. DIMENSIONALITY REDUCTION AND FEATURE SELECTION

```
# load the libraries  
library(tidyverse)
```

```
## -- Attaching packages ----- tidyverse 1.3.0 --
```

```
## v ggplot2 3.3.2    v purrr  0.3.4
## v tibble  3.0.3    v dplyr  1.0.2
## v tidyr   1.1.2    v stringr 1.4.0
## v readr   1.3.1    v forcats 0.5.0
```

```
## -- Conflicts ----- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()     masks stats::lag()
```

```
library(lubridate)
```

```
##
## Attaching package: 'lubridate'
```

```
## The following objects are masked from 'package:base':
##
##   date, intersect, setdiff, union
```

```
library(ggbiplot)
```

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

```
## 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(caret)
```

```
## Loading required package: lattice
```

```
##
## Attaching package: 'caret'
```

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

```
library(corrplot)
```

```
## corrplot 0.84 loaded
```

Load the Data

```
# Load the csv file
sales <- read.csv('Sales Data.csv')
```

```
# view the first five observations
head(sales)
```

```
##   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
## 6 699-14-3026     C      Normal  Male    Electronic accessories  85.39
##   Quantity      Tax      Date Time      Payment  cogs gross.margin.percentage
## 1         7 26.1415 1/5/2019 13:08      Ewallet 522.83          4.761905
## 2         5  3.8200 3/8/2019 10:29         Cash  76.40          4.761905
## 3         7 16.2155 3/3/2019 13:23 Credit card 324.31          4.761905
## 4         8 23.2880 1/27/2019 20:33      Ewallet 465.76          4.761905
## 5         7 30.2085 2/8/2019 10:37      Ewallet 604.17          4.761905
## 6         7 29.8865 3/25/2019 18:30      Ewallet 597.73          4.761905
##   gross.income Rating      Total
```

```
## 1      26.1415      9.1 548.9715
## 2       3.8200      9.6  80.2200
## 3      16.2155      7.4 340.5255
## 4      23.2880      8.4 489.0480
## 5      30.2085      5.3 634.3785
## 6      29.8865      4.1 627.6165
```

```
#shape of our dataset
dim(sales)
```

```
## [1] 1000  16
```

The sales dataset contains 1000 observations and 16 columns

```
# variables datatypes
sapply(sales, class)
```

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

```
#listing all the columns
colnames(sales)
```

```
## [1] "Invoice.ID"      "Branch"
## [3] "Customer.type"    "Gender"
## [5] "Product.line"     "Unit.price"
## [7] "Quantity"         "Tax"
## [9] "Date"             "Time"
## [11] "Payment"          "cogs"
## [13] "gross.margin.percentage" "gross.income"
## [15] "Rating"           "Total"
```

```
# statistical summary
```

```
summary(sales)
```

```
## Invoice.ID      Branch      Customer.type      Gender
## Length:1000    Length:1000    Length:1000    Length:1000
## Class :character Class :character Class :character Class :character
## Mode :character Mode :character Mode :character Mode :character
##
```

```
##
##
## Product.line      Unit.price      Quantity      Tax
## Length:1000      Min. :10.08      Min. : 1.00      Min. : 0.5085
## Class :character  1st Qu.:32.88      1st Qu.: 3.00      1st Qu.: 5.9249
## Mode :character   Median :55.23      Median : 5.00      Median :12.0880
##                   Mean :55.67      Mean : 5.51      Mean :15.3794
##                   3rd Qu.:77.94      3rd Qu.: 8.00      3rd Qu.:22.4453
##                   Max. :99.96      Max. :10.00      Max. :49.6500
## Date              Time              Payment          cogs
## Length:1000      Length:1000      Length:1000      Min. : 10.17
## Class :character  Class :character  Class :character  1st Qu.:118.50
## Mode :character  Mode :character  Mode :character  Median :241.76
##                                     Mean :307.59
##                                     3rd Qu.:448.90
##                                     Max. :993.00
## gross.margin.percentage gross.income      Rating      Total
## Min. :4.762      Min. : 0.5085      Min. : 4.000      Min. : 10.68
## 1st Qu.:4.762      1st Qu.: 5.9249      1st Qu.: 5.500      1st Qu.:124.42
## Median :4.762      Median :12.0880      Median : 7.000      Median :253.85
## Mean :4.762      Mean :15.3794      Mean : 6.973      Mean :322.97
## 3rd Qu.:4.762      3rd Qu.:22.4453      3rd Qu.: 8.500      3rd Qu.:471.35
## Max. :4.762      Max. :49.6500      Max. :10.000      Max. :1042.65
```

```
# check for missing vales
colSums(is.na(sales))
```

```
## 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 in the dataset

```
# check for duplicates
anyDuplicated(sales)
```

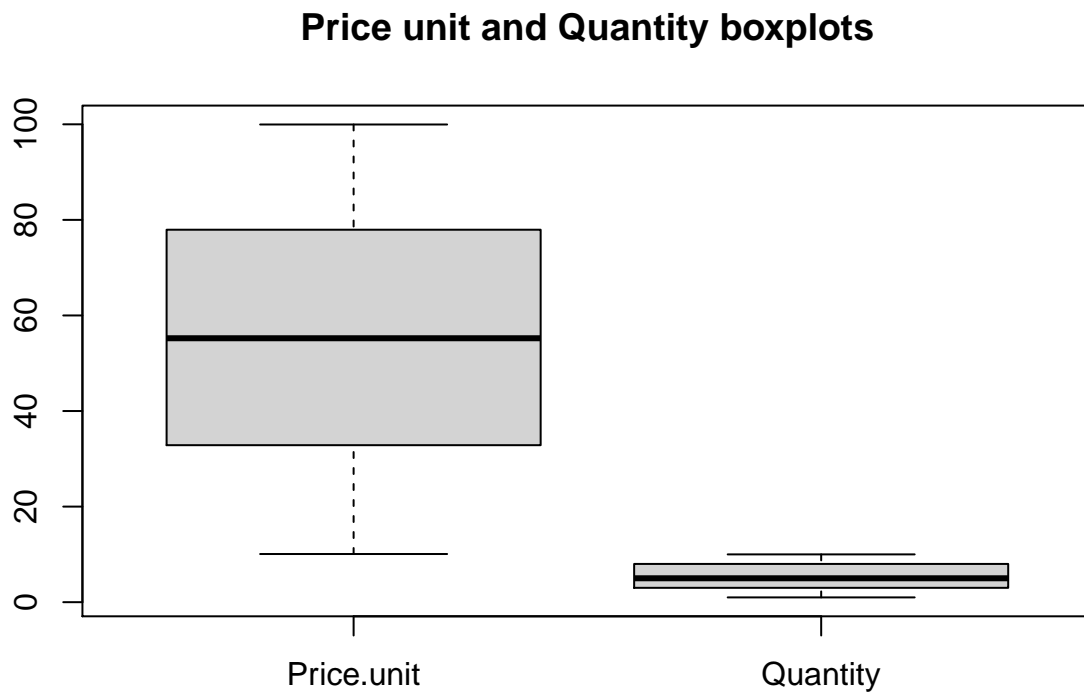
```
## [1] 0
```

No duplicates

```
# check for outliers
# price and quantity boxplots
```

```
price <- sales$Unit.price
quantity <- sales$Quantity

boxplot(price, quantity, main='Price unit and Quantity boxplots', names = c('Price.unit', 'Quantity'))
```

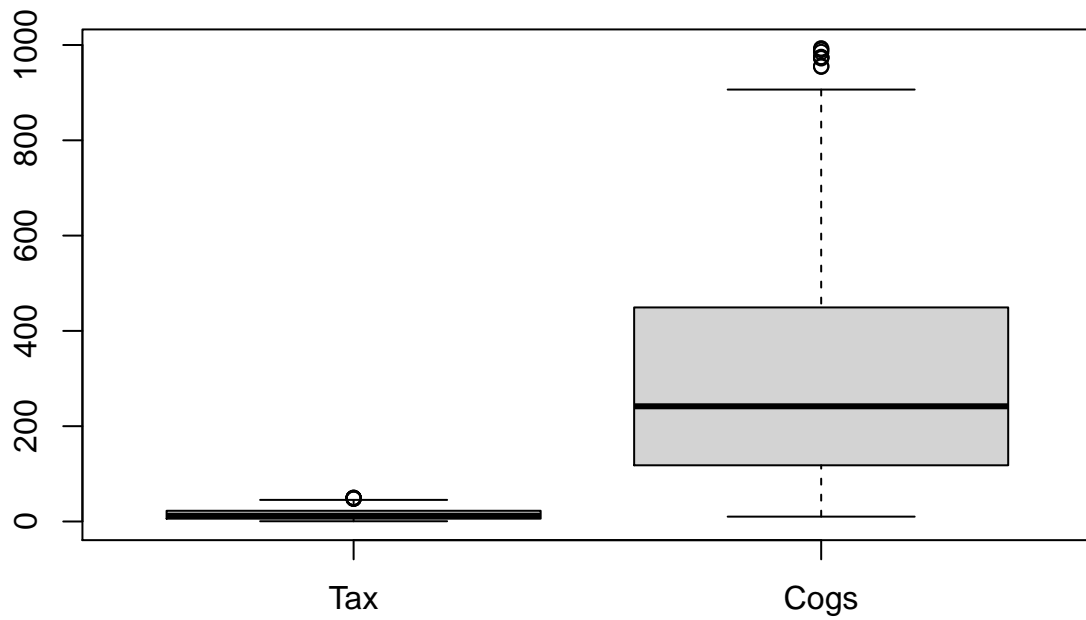


```
# tax and cogs boxplots

tax <- sales$Tax
cogs <- sales$cogs

boxplot(tax, cogs, main='Tax and Cogs boxplots', names = c('Tax', 'Cogs'))
```

Tax and Cogs boxplots



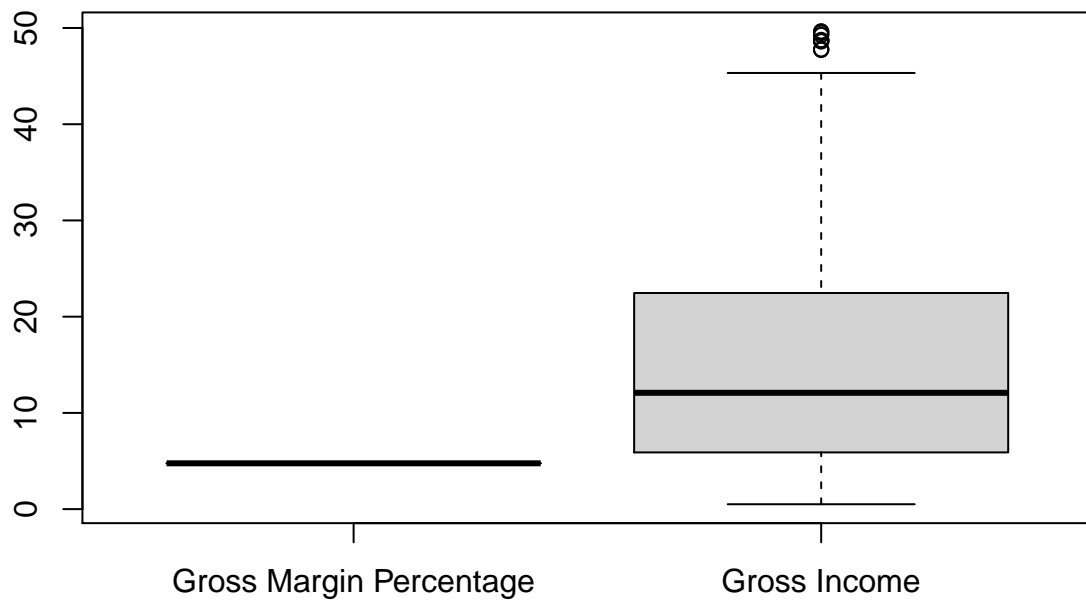
```
# gross margin and gross income
```

```
grossmargin <- sales$gross.margin.percentage
```

```
grossincome <- sales$gross.income
```

```
boxplot(grossmargin, grossincome, main='Gross margin percentage and gross income boxplots', names = c('Gross margin percentage', 'Gross income'))
```

Gross margin percentage and gross income boxplots



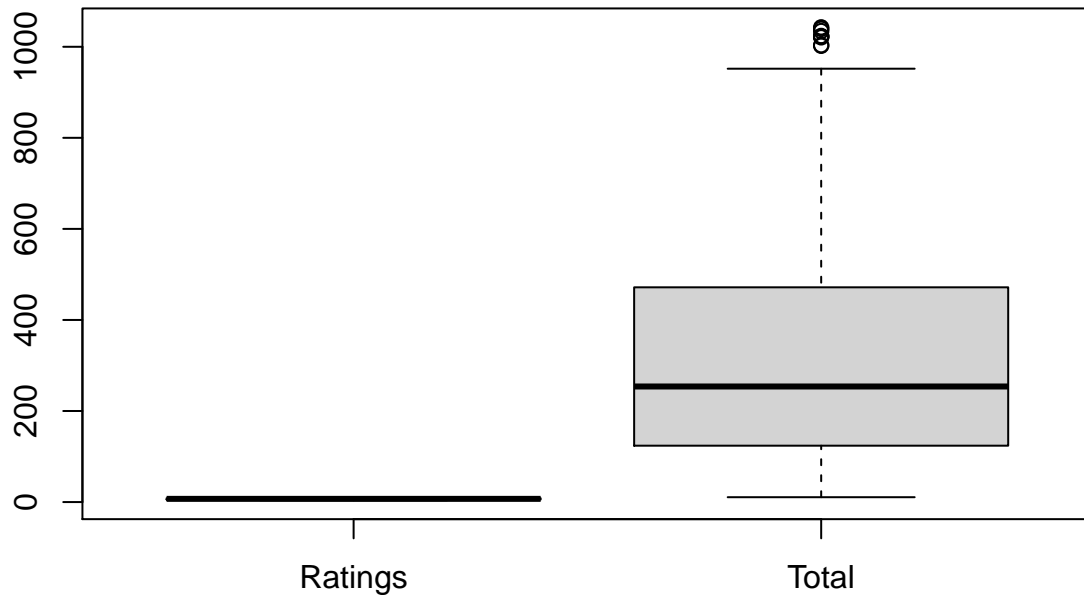
```
# price and quantity boxplots
```

```
rating <- sales$Rating
```

```
total <- sales$Total
```

```
boxplot(rating, total, main='Rating and Total boxplots', names = c('Ratings', 'Total'))
```


Rating and Total boxplots



Encoding categorical columns

```
# convert into factor
sales$Branch <- as.integer(as.factor(sales$Branch))
sales$Customer.type <- as.integer(as.factor(sales$Customer.type))
sales$Gender <- as.integer(as.factor(sales$Gender))
sales$Product.line <- as.integer(as.factor(sales$Product.line))
sales$Payment <- as.integer(as.factor(sales$Payment))
```

```
# review the converted columns
sapply(sales, class)
```

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

Converting date column into year, month and day

```

sales <- sales %>% mutate(Date = lubridate::mdy(Date),
  year = lubridate::year(Date),
  month = lubridate::month(Date),
  day = lubridate::day(Date))
sales

```

##	Invoice.ID	Branch	Customer.type	Gender	Product.line	Unit.price	Quantity
## 1	750-67-8428	1	1	1	4	74.69	7
## 2	226-31-3081	3	2	1	1	15.28	5
## 3	631-41-3108	1	2	2	5	46.33	7
## 4	123-19-1176	1	1	2	4	58.22	8
## 5	373-73-7910	1	2	2	6	86.31	7
## 6	699-14-3026	3	2	2	1	85.39	7
## 7	355-53-5943	1	1	1	1	68.84	6
## 8	315-22-5665	3	2	1	5	73.56	10
## 9	665-32-9167	1	1	1	4	36.26	2
## 10	692-92-5582	2	1	1	3	54.84	3
## 11	351-62-0822	2	1	1	2	14.48	4
## 12	529-56-3974	2	1	2	1	25.51	4
## 13	365-64-0515	1	2	1	1	46.95	5
## 14	252-56-2699	1	2	2	3	43.19	10
## 15	829-34-3910	1	2	1	4	71.38	10
## 16	299-46-1805	2	1	1	6	93.72	6
## 17	656-95-9349	1	1	1	4	68.93	7
## 18	765-26-6951	1	2	2	6	72.61	6
## 19	329-62-1586	1	2	2	3	54.67	3
## 20	319-50-3348	2	2	1	5	40.30	2
## 21	300-71-4605	3	1	2	1	86.04	5
## 22	371-85-5789	2	2	2	4	87.98	3
## 23	273-16-6619	2	2	2	5	33.20	2
## 24	636-48-8204	1	2	2	1	34.56	5
## 25	549-59-1358	1	1	2	6	88.63	3
## 26	227-03-5010	1	1	1	5	52.59	8
## 27	649-29-6775	2	2	2	2	33.52	1
## 28	189-17-4241	1	2	1	2	87.67	2
## 29	145-94-9061	2	2	1	3	88.36	5
## 30	848-62-7243	1	2	2	4	24.89	9
## 31	871-79-8483	2	2	2	2	94.13	5
## 32	149-71-6266	2	1	2	6	78.07	9
## 33	640-49-2076	2	2	2	6	83.78	8
## 34	595-11-5460	1	2	2	4	96.58	2
## 35	183-56-6882	3	1	1	3	99.42	4
## 36	232-16-2483	3	1	1	6	68.12	1
## 37	129-29-8530	1	1	2	6	62.62	5
## 38	272-65-1806	1	2	1	1	60.88	9
## 39	333-73-7901	3	2	1	4	54.92	8
## 40	777-82-7220	2	1	2	5	30.12	8
## 41	280-35-5823	2	1	1	5	86.72	1
## 42	554-53-8700	3	1	2	5	56.11	2
## 43	354-25-5821	2	1	1	6	69.12	6
## 44	228-96-1411	3	1	1	3	98.70	8
## 45	617-15-4209	3	1	2	4	15.37	2
## 46	132-32-9879	2	1	1	1	93.96	4

## 47	370-41-7321	2	1	2	4	56.69	9
## 48	727-46-3608	2	1	1	3	20.01	9
## 49	669-54-1719	2	1	2	1	18.93	6
## 50	574-22-5561	3	1	1	2	82.63	10
## 51	326-78-5178	3	1	2	3	91.40	7
## 52	162-48-8011	1	1	1	3	44.59	5
## 53	616-24-2851	2	1	1	2	17.87	4
## 54	778-71-5554	3	1	2	2	15.43	1
## 55	242-55-6721	2	2	2	5	16.16	2
## 56	399-46-5918	3	2	1	1	85.98	8
## 57	106-35-6779	1	1	2	5	44.34	2
## 58	635-40-6220	1	2	2	4	89.60	8
## 59	817-48-8732	1	1	1	5	72.35	10
## 60	120-06-4233	3	2	2	1	30.61	6
## 61	285-68-5083	3	1	1	6	24.74	3
## 62	803-83-5989	3	2	2	5	55.73	6
## 63	347-34-2234	2	1	1	6	55.07	9
## 64	199-75-8169	1	1	2	6	15.81	10
## 65	853-23-2453	2	1	2	4	75.74	4
## 66	877-22-3308	1	1	2	4	15.87	10
## 67	838-78-4295	3	2	1	4	33.47	2
## 68	109-28-2512	2	1	1	2	97.61	6
## 69	232-11-3025	1	2	2	6	78.77	10
## 70	382-03-4532	1	1	1	4	18.33	1
## 71	393-65-2792	3	2	2	3	89.48	10
## 72	796-12-2025	3	2	2	2	62.12	10
## 73	510-95-6347	2	1	1	3	48.52	3
## 74	841-35-6630	3	2	1	1	75.91	6
## 75	287-21-9091	1	2	2	5	74.67	9
## 76	732-94-0499	3	2	1	1	41.65	10
## 77	263-10-3913	3	1	2	2	49.04	9
## 78	381-20-0914	1	1	1	2	20.01	9
## 79	829-49-1914	3	1	1	3	78.31	10
## 80	756-01-7507	3	2	1	4	20.38	5
## 81	870-72-4431	3	2	1	4	99.19	6
## 82	847-38-7188	2	2	1	3	96.68	3
## 83	480-63-2856	3	2	2	3	19.25	8
## 84	787-56-0757	3	1	1	3	80.36	4
## 85	360-39-5055	3	1	2	6	48.91	5
## 86	730-50-9884	3	2	1	6	83.06	7
## 87	362-58-8315	3	2	2	2	76.52	5
## 88	633-44-8566	1	1	2	3	49.38	7
## 89	504-35-8843	1	2	2	6	42.47	1
## 90	318-68-5053	2	2	1	4	76.99	6
## 91	565-80-5980	3	1	1	5	47.38	4
## 92	225-32-0908	3	2	1	6	44.86	10
## 93	873-51-0671	1	1	1	6	21.98	7
## 94	152-08-9985	2	1	2	4	64.36	9
## 95	512-91-0811	3	2	2	4	89.75	1
## 96	594-34-4444	1	2	2	1	97.16	1
## 97	766-85-7061	2	2	2	4	87.87	10
## 98	871-39-9221	3	2	1	1	12.45	6
## 99	865-92-6136	1	2	2	3	52.75	3
## 100	733-01-9107	2	2	2	5	82.70	6

## 101	163-56-7055	3	1	2	2	48.71	1
## 102	189-98-2939	3	2	2	2	78.55	9
## 103	551-21-3069	3	2	1	1	23.07	9
## 104	212-62-1842	1	2	2	3	58.26	6
## 105	716-39-1409	2	2	2	4	30.35	7
## 106	704-48-3927	1	1	2	1	88.67	10
## 107	628-34-3388	3	2	2	2	27.38	6
## 108	630-74-5166	1	2	2	6	62.13	6
## 109	588-01-7461	3	2	1	3	33.98	9
## 110	861-77-0145	3	1	2	1	81.97	10
## 111	479-26-8945	2	1	1	6	16.49	2
## 112	210-67-5886	3	1	1	4	98.21	3
## 113	227-78-1148	2	2	1	2	72.84	7
## 114	645-44-1170	1	1	2	5	58.07	9
## 115	237-01-6122	3	1	1	5	80.79	9
## 116	225-98-1496	3	2	1	2	27.02	3
## 117	291-32-1427	2	1	2	2	21.94	5
## 118	659-65-8956	2	1	2	2	51.36	1
## 119	642-32-2990	1	2	1	3	10.96	10
## 120	378-24-2715	2	2	2	5	53.44	2
## 121	638-60-7125	1	2	1	1	99.56	8
## 122	659-36-1684	3	1	2	6	57.12	7
## 123	219-22-9386	2	1	2	6	99.96	9
## 124	336-78-2147	3	1	2	5	63.91	8
## 125	268-27-6179	2	1	1	2	56.47	8
## 126	668-90-8900	1	2	1	5	93.69	7
## 127	870-54-3162	1	2	1	6	32.25	5
## 128	189-08-9157	3	2	1	2	31.73	9
## 129	663-86-9076	3	1	1	3	68.54	8
## 130	549-84-7482	2	2	1	6	90.28	9
## 131	191-10-6171	2	2	1	2	39.62	7
## 132	802-70-5316	1	1	1	6	92.13	6
## 133	695-51-0018	2	2	1	6	34.84	4
## 134	590-83-4591	2	1	2	1	87.45	6
## 135	483-71-1164	3	2	1	4	81.30	6
## 136	597-78-7908	3	2	2	2	90.22	3
## 137	700-81-1757	1	2	1	1	26.31	5
## 138	354-39-5160	1	1	1	5	34.42	6
## 139	241-72-9525	2	2	2	6	51.91	10
## 140	575-30-8091	1	2	2	6	72.50	8
## 141	731-81-9469	3	1	1	6	89.80	10
## 142	280-17-4359	3	1	2	4	90.50	10
## 143	338-65-2210	3	1	1	4	68.60	10
## 144	488-25-4221	3	1	1	3	30.41	1
## 145	239-10-7476	1	2	1	5	77.95	6
## 146	458-41-1477	3	2	1	4	46.26	6
## 147	685-64-1609	1	1	1	2	30.14	10
## 148	568-90-5112	3	2	2	4	66.14	4
## 149	262-47-2794	2	1	2	5	71.86	8
## 150	238-49-0436	1	2	2	4	32.46	8
## 151	608-96-3517	2	1	1	2	91.54	4
## 152	584-86-7256	3	1	2	6	34.56	7
## 153	746-94-0204	1	2	2	2	83.24	9
## 154	214-17-6927	3	2	1	3	16.48	6

## 155	400-89-4171	3	2	1	6	80.97	8
## 156	782-95-9291	1	1	2	3	92.29	5
## 157	279-74-2924	2	1	2	1	72.17	1
## 158	307-85-2293	2	2	2	5	50.28	5
## 159	743-04-1105	2	1	2	4	97.22	9
## 160	423-57-2993	2	2	2	6	93.39	6
## 161	894-41-5205	3	2	1	3	43.18	8
## 162	275-28-0149	1	2	2	6	63.69	1
## 163	101-17-6199	1	2	2	3	45.79	7
## 164	423-80-0988	3	2	2	6	76.40	2
## 165	548-46-9322	2	2	2	3	39.90	10
## 166	505-02-0892	2	1	2	4	42.57	8
## 167	234-65-2137	3	2	2	5	95.58	10
## 168	687-47-8271	1	2	2	2	98.98	10
## 169	796-32-9050	1	2	2	3	51.28	6
## 170	105-31-1824	1	1	2	6	69.52	7
## 171	249-42-3782	1	2	2	4	70.01	5
## 172	316-55-4634	2	1	2	3	80.05	5
## 173	733-33-4967	3	2	2	1	20.85	8
## 174	608-27-6295	2	1	2	1	52.89	6
## 175	414-12-7047	2	2	2	3	19.79	8
## 176	827-26-2100	1	1	2	5	33.84	9
## 177	175-54-2529	1	1	2	3	22.17	8
## 178	139-52-2867	3	2	1	2	22.51	7
## 179	407-63-8975	1	2	2	3	73.88	6
## 180	342-65-4817	3	1	2	4	86.80	3
## 181	130-98-8941	3	2	2	2	64.26	7
## 182	434-83-9547	3	1	2	3	38.47	8
## 183	851-28-6367	1	1	2	6	15.50	10
## 184	824-88-3614	3	2	2	4	34.31	8
## 185	586-25-0848	1	2	1	6	12.34	7
## 186	895-66-0685	2	1	2	3	18.08	3
## 187	305-14-0245	2	1	1	5	94.49	8
## 188	732-04-5373	2	1	2	5	46.47	4
## 189	400-60-7251	1	2	2	5	74.07	1
## 190	593-65-1552	3	2	1	5	69.81	4
## 191	284-34-9626	2	2	1	5	77.04	3
## 192	437-58-8131	2	2	1	2	73.52	2
## 193	286-43-6208	3	2	1	3	87.80	9
## 194	641-43-2399	2	2	2	5	25.55	4
## 195	831-07-6050	1	2	2	1	32.71	5
## 196	556-86-3144	3	1	1	2	74.29	1
## 197	848-24-9445	3	1	2	4	43.70	2
## 198	856-22-8149	1	2	1	5	25.29	1
## 199	699-01-4164	3	2	2	4	41.50	4
## 200	420-11-4919	3	1	1	3	71.39	5
## 201	606-80-4905	3	1	1	6	19.15	6
## 202	542-41-0513	2	1	1	1	57.49	4
## 203	426-39-2418	3	2	2	1	61.41	7
## 204	875-46-5808	2	1	2	4	25.90	10
## 205	394-43-4238	2	1	2	5	17.77	5
## 206	749-24-1565	1	2	1	4	23.03	9
## 207	672-51-8681	3	1	1	1	66.65	9
## 208	263-87-5680	3	1	1	5	28.53	10

## 209	573-58-9734	2	2	1	2	30.37	3
## 210	817-69-8206	2	2	1	1	99.73	9
## 211	888-02-0338	1	2	2	1	26.23	9
## 212	677-11-0152	3	2	1	3	93.26	9
## 213	142-63-6033	2	2	2	5	92.36	5
## 214	656-16-1063	2	2	2	6	46.42	3
## 215	891-58-8335	2	1	1	6	29.61	7
## 216	802-43-8934	1	2	2	5	18.28	1
## 217	560-30-5617	2	2	1	6	24.77	5
## 218	319-74-2561	1	1	1	1	94.64	3
## 219	549-03-9315	2	2	2	2	94.87	8
## 220	790-29-1172	2	2	1	3	57.34	3
## 221	239-36-3640	2	2	2	1	45.35	6
## 222	468-01-2051	2	2	2	3	62.08	7
## 223	389-25-3394	3	2	2	1	11.81	5
## 224	279-62-1445	3	1	1	2	12.54	1
## 225	213-72-6612	1	2	2	3	43.25	2
## 226	746-68-6593	3	1	1	6	87.16	2
## 227	836-82-5858	2	1	2	4	69.37	9
## 228	583-72-1480	3	1	2	1	37.06	4
## 229	466-61-5506	2	1	1	1	90.70	6
## 230	721-86-6247	1	2	1	5	63.42	8
## 231	289-65-5721	2	2	1	2	81.37	2
## 232	545-46-3100	2	1	1	1	10.59	3
## 233	418-02-5978	2	2	1	4	84.09	9
## 234	269-04-5750	2	1	2	2	73.82	4
## 235	157-13-5295	1	1	2	4	51.94	10
## 236	645-78-8093	1	2	1	6	93.14	2
## 237	211-30-9270	3	2	2	4	17.41	5
## 238	755-12-3214	3	1	1	2	44.22	5
## 239	346-84-3103	2	1	1	1	13.22	5
## 240	478-06-7835	1	2	2	2	89.69	1
## 241	540-11-4336	1	2	2	3	24.94	9
## 242	448-81-5016	1	2	2	4	59.77	2
## 243	142-72-4741	3	1	2	2	93.20	2
## 244	217-58-1179	1	1	2	5	62.65	4
## 245	376-02-8238	2	2	2	5	93.87	8
## 246	530-90-9855	1	1	2	5	47.59	8
## 247	866-05-7563	2	1	1	1	81.40	3
## 248	604-70-6476	1	1	2	2	17.94	5
## 249	799-71-1548	1	1	2	1	77.72	4
## 250	785-13-7708	2	2	2	3	73.06	7
## 251	845-51-0542	2	1	2	3	46.55	9
## 252	662-47-5456	3	1	2	2	35.19	10
## 253	883-17-4236	3	2	1	6	14.39	2
## 254	290-68-2984	1	2	2	5	23.75	4
## 255	704-11-6354	1	1	2	5	58.90	8
## 256	110-48-7033	2	1	2	2	32.62	4
## 257	366-93-0948	1	1	2	1	66.35	1
## 258	729-09-9681	1	1	2	5	25.91	6
## 259	151-16-1484	1	1	2	1	32.25	4
## 260	380-94-4661	3	1	2	1	65.94	4
## 261	850-41-9669	1	2	1	1	75.06	9
## 262	821-07-3596	3	2	1	2	16.45	4

## 263	655-85-5130	2	1	1	2	38.30	4
## 264	447-15-7839	1	1	1	6	22.24	10
## 265	154-74-7179	2	2	2	6	54.45	1
## 266	253-12-6086	1	1	1	6	98.40	7
## 267	808-65-0703	3	2	2	5	35.47	4
## 268	571-94-0759	2	1	1	3	74.60	10
## 269	144-51-6085	1	1	2	5	70.74	4
## 270	731-14-2199	1	1	1	5	35.54	10
## 271	783-09-1637	2	2	1	6	67.43	5
## 272	687-15-1097	3	1	1	4	21.12	2
## 273	126-54-1082	1	1	1	5	21.54	9
## 274	633-91-1052	1	2	1	5	12.03	2
## 275	477-24-6490	2	2	1	4	99.71	6
## 276	566-19-5475	2	2	2	2	47.97	7
## 277	526-86-8552	3	1	1	5	21.82	10
## 278	376-56-3573	3	2	1	2	95.42	4
## 279	537-72-0426	3	1	2	2	70.99	10
## 280	828-61-5674	1	1	2	6	44.02	10
## 281	136-08-6195	1	2	1	5	69.96	8
## 282	523-38-0215	3	2	2	5	37.00	1
## 283	490-29-1201	1	2	1	6	15.34	1
## 284	667-92-0055	1	1	2	4	99.83	6
## 285	565-17-3836	1	1	1	4	47.67	4
## 286	498-41-1961	2	2	2	4	66.68	5
## 287	593-95-4461	3	1	2	5	74.86	1
## 288	226-71-3580	3	2	1	6	23.75	9
## 289	283-79-9594	2	2	1	3	48.51	7
## 290	430-60-3493	1	1	1	5	94.88	7
## 291	139-20-0155	2	1	2	1	40.30	10
## 292	558-80-4082	3	2	2	1	27.85	7
## 293	278-97-7759	1	1	1	1	62.48	1
## 294	316-68-6352	1	1	1	3	36.36	2
## 295	585-03-5943	2	2	2	4	18.11	10
## 296	211-05-0490	3	1	1	1	51.92	5
## 297	727-75-6477	3	2	2	1	28.84	4
## 298	744-02-5987	1	1	2	5	78.38	6
## 299	307-83-9164	1	1	2	5	60.01	4
## 300	779-06-0012	3	1	1	5	88.61	1
## 301	446-47-6729	3	2	2	2	99.82	2
## 302	573-10-3877	2	1	2	4	39.01	1
## 303	735-06-4124	3	2	2	3	48.61	1
## 304	439-54-7422	1	2	1	1	51.19	4
## 305	396-90-2219	2	2	1	1	14.96	8
## 306	411-77-0180	1	1	2	1	72.20	7
## 307	286-01-5402	1	2	1	6	40.23	7
## 308	803-17-8013	1	1	1	5	88.79	8
## 309	512-98-1403	1	1	1	1	26.48	3
## 310	848-42-2560	1	2	1	2	81.91	2
## 311	532-59-7201	2	1	2	6	79.93	6
## 312	181-94-6432	3	1	2	2	69.33	2
## 313	870-76-1733	1	1	1	3	14.23	5
## 314	423-64-4619	1	1	1	4	15.55	9
## 315	227-07-4446	3	1	1	1	78.13	10
## 316	174-36-3675	3	1	2	3	99.37	2

## 317	428-83-5800	3	1	1	3	21.08	3
## 318	603-07-0961	3	1	2	1	74.79	5
## 319	704-20-4138	3	1	1	4	29.67	7
## 320	787-15-1757	3	1	2	4	44.07	4
## 321	649-11-3678	3	2	1	3	22.93	9
## 322	622-20-1945	3	2	1	4	39.42	1
## 323	372-94-8041	1	2	2	4	15.26	6
## 324	563-91-7120	1	2	1	2	61.77	5
## 325	746-54-5508	1	2	2	5	21.52	6
## 326	276-54-0879	2	2	2	6	97.74	4
## 327	815-11-1168	1	1	2	3	99.78	5
## 328	719-76-3868	3	1	2	3	94.26	4
## 329	730-61-8757	2	1	2	4	51.13	4
## 330	340-66-0321	1	1	2	1	36.36	4
## 331	868-81-1752	2	2	2	5	22.02	9
## 332	634-97-8956	1	2	2	3	32.90	3
## 333	566-71-1091	1	2	2	2	77.02	5
## 334	442-48-3607	1	1	2	3	23.48	2
## 335	835-16-0096	3	1	2	6	14.70	5
## 336	527-09-6272	1	1	1	1	28.45	5
## 337	898-04-2717	1	2	2	2	76.40	9
## 338	692-27-8933	2	2	1	6	57.95	6
## 339	633-09-3463	3	2	1	1	47.65	3
## 340	374-17-3652	2	1	1	3	42.82	9
## 341	378-07-7001	2	1	2	1	48.09	3
## 342	433-75-6987	2	1	1	4	55.97	7
## 343	873-95-4984	2	1	1	4	76.90	7
## 344	416-13-5917	3	2	1	3	97.03	5
## 345	150-89-8043	1	2	2	6	44.65	3
## 346	135-84-8019	1	2	1	2	77.93	9
## 347	441-94-7118	1	1	2	1	71.95	1
## 348	725-96-3778	3	1	1	5	89.25	8
## 349	531-80-1784	1	2	2	1	26.02	7
## 350	400-45-1220	2	2	1	4	13.50	10
## 351	860-79-0874	3	1	1	2	99.30	10
## 352	834-61-8124	1	2	2	1	51.69	7
## 353	115-99-4379	2	1	1	2	54.73	7
## 354	565-67-6697	2	1	2	5	27.00	9
## 355	320-49-6392	3	2	1	1	30.24	1
## 356	889-04-9723	2	1	1	3	89.14	4
## 357	632-90-0281	3	2	1	2	37.55	10
## 358	554-42-2417	3	2	1	6	95.44	10
## 359	453-63-6187	2	2	2	1	27.50	3
## 360	578-80-7669	2	2	2	6	74.97	1
## 361	612-36-5536	1	1	2	3	80.96	8
## 362	605-72-4132	3	2	1	3	94.47	8
## 363	471-41-2823	3	2	2	3	99.79	2
## 364	462-67-9126	1	2	2	5	73.22	6
## 365	272-27-9238	3	2	1	3	41.24	4
## 366	834-25-9262	3	2	1	2	81.68	4
## 367	122-61-9553	3	2	1	1	51.32	9
## 368	468-88-0009	1	1	2	5	65.94	4
## 369	613-59-9758	3	2	1	6	14.36	10
## 370	254-31-0042	1	1	2	1	21.50	9

## 371	201-86-2184	2	1	1	1	26.26	7
## 372	261-12-8671	2	2	1	2	60.96	2
## 373	730-70-9830	3	2	1	5	70.11	6
## 374	382-25-8917	3	2	2	2	42.08	6
## 375	422-29-8786	1	2	1	5	67.09	5
## 376	667-23-5919	1	1	1	2	96.70	5
## 377	843-01-4703	2	1	1	5	35.38	9
## 378	743-88-1662	3	2	2	6	95.49	7
## 379	595-86-2894	3	1	2	2	96.98	4
## 380	182-69-8360	2	2	1	1	23.65	4
## 381	289-15-7034	1	1	2	6	82.33	4
## 382	462-78-5240	3	2	1	1	26.61	2
## 383	868-52-7573	2	2	1	3	99.69	5
## 384	153-58-4872	3	1	1	3	74.89	4
## 385	662-72-2873	1	2	1	3	40.94	5
## 386	525-88-7307	2	1	2	6	75.82	1
## 387	689-16-9784	3	2	2	3	46.77	6
## 388	725-56-0833	1	2	1	4	32.32	10
## 389	394-41-0748	3	1	1	2	54.07	9
## 390	596-42-3999	2	2	2	3	18.22	7
## 391	541-89-9860	3	1	1	2	80.48	3
## 392	173-82-9529	2	2	1	2	37.95	10
## 393	563-36-9814	1	1	2	1	76.82	1
## 394	308-47-4913	1	1	1	6	52.26	10
## 395	885-17-6250	1	2	1	4	79.74	1
## 396	726-27-2396	1	2	1	4	77.50	5
## 397	316-01-3952	1	2	1	3	54.27	5
## 398	760-54-1821	2	2	2	5	13.59	9
## 399	793-10-3222	2	1	1	4	41.06	6
## 400	346-12-3257	2	1	2	1	19.24	9
## 401	110-05-6330	3	2	1	3	39.43	6
## 402	651-61-0874	3	2	2	5	46.22	4
## 403	236-86-3015	3	1	2	5	13.98	1
## 404	831-64-0259	2	2	1	2	39.75	5
## 405	587-03-7455	3	1	1	2	97.79	7
## 406	882-40-4577	1	1	2	6	67.26	4
## 407	732-67-5346	1	2	2	3	13.79	5
## 408	725-32-9708	2	1	1	2	68.71	4
## 409	256-08-8343	1	2	1	5	56.53	4
## 410	372-26-1506	3	2	1	2	23.82	5
## 411	244-08-0162	2	2	1	4	34.21	10
## 412	569-71-4390	2	2	2	6	21.87	2
## 413	132-23-6451	1	1	2	4	20.97	5
## 414	696-90-2548	1	2	2	6	25.84	3
## 415	472-15-9636	1	2	2	5	50.93	8
## 416	268-03-6164	2	2	2	4	96.11	1
## 417	750-57-9686	3	2	1	5	45.38	4
## 418	186-09-3669	3	1	1	4	81.51	1
## 419	848-07-1692	2	2	1	4	57.22	2
## 420	745-71-3520	1	1	1	1	25.22	7
## 421	266-76-6436	3	1	1	3	38.60	3
## 422	740-22-2500	3	2	1	1	84.05	3
## 423	271-88-8734	3	1	1	2	97.21	10
## 424	301-81-8610	2	1	2	2	25.42	8

## 425	489-64-4354	3	2	2	2	16.28	1
## 426	198-84-7132	2	1	2	2	40.61	9
## 427	269-10-8440	1	1	2	4	53.17	7
## 428	650-98-6268	2	1	1	3	20.87	3
## 429	741-73-3559	2	2	2	6	67.27	5
## 430	325-77-6186	1	1	1	5	90.65	10
## 431	286-75-7818	2	2	2	2	69.08	2
## 432	574-57-9721	3	2	2	3	43.27	2
## 433	459-50-7686	1	2	1	1	23.46	6
## 434	616-87-0016	2	2	2	2	95.54	7
## 435	837-55-7229	2	2	1	2	47.44	1
## 436	751-69-0068	3	2	2	6	99.24	9
## 437	257-73-1380	3	1	2	6	82.93	4
## 438	345-08-4992	1	2	2	5	33.99	6
## 439	549-96-4200	3	1	2	3	17.04	4
## 440	810-60-6344	3	2	1	1	40.86	8
## 441	450-28-2866	3	1	2	3	17.44	5
## 442	394-30-3170	2	1	1	6	88.43	8
## 443	138-17-5109	1	1	1	5	89.21	9
## 444	192-98-7397	3	2	2	2	12.78	1
## 445	301-11-9629	1	2	1	6	19.10	7
## 446	390-80-5128	2	1	1	4	19.15	1
## 447	235-46-8343	3	1	2	3	27.66	10
## 448	453-12-7053	3	2	2	2	45.74	3
## 449	296-11-7041	2	1	1	4	27.07	1
## 450	449-27-2918	2	1	1	6	39.12	1
## 451	891-01-7034	2	2	1	1	74.71	6
## 452	744-09-5786	2	2	2	1	22.01	6
## 453	727-17-0390	1	2	1	3	63.61	5
## 454	568-88-3448	1	2	2	4	25.00	1
## 455	187-83-5490	1	1	2	1	20.77	4
## 456	767-54-1907	2	1	1	2	29.56	5
## 457	710-46-4433	2	1	1	3	77.40	9
## 458	533-33-5337	2	2	2	1	79.39	10
## 459	325-90-8763	3	1	1	1	46.57	10
## 460	729-46-7422	3	2	2	3	35.89	1
## 461	639-76-1242	3	2	2	3	40.52	5
## 462	234-03-4040	2	1	1	3	73.05	10
## 463	326-71-2155	3	2	1	6	73.95	4
## 464	320-32-8842	3	1	1	3	22.62	1
## 465	470-32-9057	1	1	2	3	51.34	5
## 466	878-30-2331	3	1	1	6	54.55	10
## 467	440-59-5691	3	1	1	4	37.15	7
## 468	554-53-3790	2	2	2	6	37.02	6
## 469	746-19-0921	3	2	2	3	21.58	1
## 470	233-34-0817	3	1	1	1	98.84	1
## 471	767-05-1286	3	1	1	5	83.77	6
## 472	340-21-9136	1	1	1	6	40.05	4
## 473	405-31-3305	1	1	2	2	43.13	10
## 474	731-59-7531	2	1	2	4	72.57	8
## 475	676-39-6028	1	1	1	1	64.44	5
## 476	502-05-1910	1	2	2	4	65.18	3
## 477	485-30-8700	1	2	1	6	33.26	5
## 478	598-47-9715	3	2	2	1	84.07	4

## 479	701-69-8742	2	2	2	6	34.37	10
## 480	575-67-1508	1	2	2	1	38.60	1
## 481	541-08-3113	3	2	2	3	65.97	8
## 482	246-11-3901	3	2	1	1	32.80	10
## 483	674-15-9296	1	2	2	6	37.14	5
## 484	305-18-3552	2	1	2	5	60.38	10
## 485	493-65-6248	3	1	1	6	36.98	10
## 486	438-01-4015	2	1	1	6	49.49	4
## 487	709-58-4068	2	2	1	2	41.09	10
## 488	795-49-7276	1	2	2	2	37.15	4
## 489	556-72-8512	3	2	2	5	22.96	1
## 490	627-95-3243	2	1	1	5	77.68	9
## 491	686-41-0932	2	2	1	2	34.70	2
## 492	510-09-5628	1	1	1	2	19.66	10
## 493	608-04-3797	2	1	1	4	25.32	8
## 494	148-82-2527	3	1	1	5	12.12	10
## 495	437-53-3084	2	2	2	2	99.89	2
## 496	632-32-4574	2	2	2	6	75.92	8
## 497	556-97-7101	3	2	1	1	63.22	2
## 498	862-59-8517	3	2	1	3	90.24	6
## 499	401-18-8016	2	1	1	6	98.13	1
## 500	420-18-8989	1	1	1	6	51.52	8
## 501	277-63-2961	2	1	2	6	73.97	1
## 502	573-98-8548	3	1	1	2	31.90	1
## 503	620-02-2046	3	2	2	5	69.40	2
## 504	282-35-2475	2	2	1	6	93.31	2
## 505	511-54-3087	2	2	2	6	88.45	1
## 506	726-29-6793	1	1	2	1	24.18	8
## 507	387-49-4215	2	1	1	6	48.50	3
## 508	862-17-9201	2	2	1	3	84.05	6
## 509	291-21-5991	2	1	2	4	61.29	5
## 510	602-80-9671	3	1	1	5	15.95	6
## 511	347-72-6115	2	1	1	6	90.74	7
## 512	209-61-0206	1	2	1	5	42.91	5
## 513	595-27-4851	1	2	1	2	54.28	7
## 514	189-52-0236	1	2	2	1	99.55	7
## 515	503-07-0930	3	1	2	6	58.39	7
## 516	413-20-6708	3	1	1	2	51.47	1
## 517	425-85-2085	2	1	2	4	54.86	5
## 518	521-18-7827	3	1	2	5	39.39	5
## 519	220-28-1851	1	2	2	5	34.73	2
## 520	600-38-9738	3	1	2	6	71.92	5
## 521	734-91-1155	2	2	1	1	45.71	3
## 522	451-28-5717	3	1	1	5	83.17	6
## 523	609-81-8548	1	1	1	5	37.44	6
## 524	133-14-7229	3	2	2	4	62.87	2
## 525	534-01-4457	1	2	2	3	81.71	6
## 526	719-89-8991	1	1	1	6	91.41	5
## 527	286-62-6248	2	2	2	2	39.21	4
## 528	339-38-9982	2	1	2	2	59.86	2
## 529	827-44-5872	2	1	1	3	54.36	10
## 530	827-77-7633	1	2	2	6	98.09	9
## 531	287-83-1405	1	2	2	4	25.43	6
## 532	435-13-4908	1	1	2	2	86.68	8

## 533	857-67-9057	2	2	2	1	22.95	10
## 534	236-27-1144	3	2	1	3	16.31	9
## 535	892-05-6689	1	2	1	5	28.32	5
## 536	583-41-4548	3	2	2	5	16.67	7
## 537	339-12-4827	2	1	1	2	73.96	1
## 538	643-38-7867	1	2	2	5	97.94	1
## 539	308-81-0538	1	2	1	2	73.05	4
## 540	358-88-9262	3	1	1	3	87.48	6
## 541	460-35-4390	1	2	2	5	30.68	3
## 542	343-87-0864	3	1	2	4	75.88	1
## 543	173-50-1108	2	1	1	6	20.18	4
## 544	243-47-2663	3	1	2	1	18.77	6
## 545	841-18-8232	2	2	1	3	71.20	1
## 546	701-23-5550	2	1	2	5	38.81	4
## 547	647-50-1224	1	2	1	2	29.42	10
## 548	541-48-8554	1	2	2	6	60.95	9
## 549	539-21-7227	2	2	1	6	51.54	5
## 550	213-32-1216	1	2	1	1	66.06	6
## 551	747-58-7183	2	2	2	2	57.27	3
## 552	582-52-8065	2	2	1	2	54.31	9
## 553	210-57-1719	2	2	1	4	58.24	9
## 554	399-69-4630	3	2	2	1	22.21	6
## 555	134-75-2619	1	1	2	1	19.32	7
## 556	356-44-8813	2	2	2	5	37.48	3
## 557	198-66-9832	2	1	1	2	72.04	2
## 558	283-26-5248	3	1	1	3	98.52	10
## 559	712-39-0363	1	1	2	3	41.66	6
## 560	218-59-9410	1	1	1	5	72.42	3
## 561	174-75-0888	2	2	2	1	21.58	9
## 562	866-99-7614	3	2	2	3	89.20	10
## 563	134-54-4720	2	2	1	1	42.42	8
## 564	760-90-2357	1	1	2	1	74.51	6
## 565	514-37-2845	2	2	2	2	99.25	2
## 566	698-98-5964	1	2	1	3	81.21	10
## 567	718-57-9773	3	2	1	6	49.33	10
## 568	651-88-7328	1	2	1	2	65.74	9
## 569	241-11-2261	2	2	1	2	79.86	7
## 570	408-26-9866	3	2	1	6	73.98	7
## 571	834-83-1826	2	1	1	5	82.04	5
## 572	343-61-3544	2	1	2	6	26.67	10
## 573	239-48-4278	1	1	2	3	10.13	7
## 574	355-34-6244	2	2	2	3	72.39	2
## 575	550-84-8664	1	2	2	6	85.91	5
## 576	339-96-8318	2	1	2	2	81.31	7
## 577	458-61-0011	2	2	2	3	60.30	4
## 578	592-34-6155	3	2	2	3	31.77	4
## 579	797-88-0493	1	2	1	4	64.27	4
## 580	207-73-1363	2	2	2	4	69.51	2
## 581	390-31-6381	3	2	2	3	27.22	3
## 582	443-82-0585	1	1	1	4	77.68	4
## 583	339-18-7061	3	1	1	2	92.98	2
## 584	359-90-3665	2	1	1	2	18.08	4
## 585	375-72-3056	2	2	2	6	63.06	3
## 586	127-47-6963	1	2	2	4	51.71	4

## 587	278-86-2735	1	2	1	3	52.34	3
## 588	695-28-6250	1	2	1	6	43.06	5
## 589	379-17-6588	3	2	2	2	59.61	10
## 590	227-50-3718	1	2	2	4	14.62	5
## 591	302-15-2162	3	1	2	4	46.53	6
## 592	788-07-8452	3	1	1	5	24.24	7
## 593	560-49-6611	1	1	1	6	45.58	1
## 594	880-35-0356	1	1	1	6	75.20	3
## 595	585-11-6748	2	1	2	6	96.80	3
## 596	470-31-3286	2	2	2	4	14.82	3
## 597	152-68-2907	1	2	2	3	52.20	3
## 598	123-35-4896	3	2	1	6	46.66	9
## 599	258-69-7810	3	2	1	2	36.85	5
## 600	334-64-2006	1	1	1	5	70.32	2
## 601	219-61-4139	3	2	2	1	83.08	1
## 602	881-41-7302	3	2	1	2	64.99	1
## 603	373-09-4567	3	2	2	3	77.56	10
## 604	642-30-6693	2	2	1	6	54.51	6
## 605	484-22-8230	3	1	1	2	51.89	7
## 606	830-58-2383	2	2	2	5	31.75	4
## 607	559-98-9873	1	1	1	2	53.65	7
## 608	544-32-5024	3	1	1	3	49.79	4
## 609	318-12-0304	1	2	2	2	30.61	1
## 610	349-97-8902	2	1	2	3	57.89	2
## 611	421-95-9805	1	2	1	1	28.96	1
## 612	277-35-5865	3	1	1	3	98.97	9
## 613	789-23-8625	2	1	2	2	93.22	3
## 614	284-54-4231	3	1	2	6	80.93	1
## 615	443-59-0061	1	1	2	3	67.45	10
## 616	509-29-3912	1	1	1	6	38.72	9
## 617	327-40-9673	2	1	2	6	72.60	6
## 618	840-19-2096	3	1	2	1	87.91	5
## 619	828-46-6863	1	1	2	3	98.53	6
## 620	641-96-3695	3	1	1	2	43.46	6
## 621	420-97-3340	1	2	1	3	71.68	3
## 622	436-54-4512	1	1	1	3	91.61	1
## 623	670-79-6321	2	1	1	5	94.59	7
## 624	852-62-7105	2	2	1	2	83.25	10
## 625	598-06-7312	2	1	2	2	91.35	1
## 626	135-13-8269	2	1	1	3	78.88	2
## 627	816-57-2053	1	2	2	6	60.87	2
## 628	628-90-8624	2	1	2	4	82.58	10
## 629	856-66-2701	1	1	2	5	53.30	3
## 630	308-39-1707	1	2	1	2	12.09	1
## 631	149-61-1929	1	2	2	6	64.19	10
## 632	655-07-2265	1	2	2	1	78.31	3
## 633	589-02-8023	1	1	2	3	83.77	2
## 634	420-04-7590	2	2	2	5	99.70	3
## 635	182-88-2763	2	1	2	3	79.91	3
## 636	188-55-0967	2	1	2	4	66.47	10
## 637	610-46-4100	1	2	2	4	28.95	7
## 638	318-81-2368	3	2	1	1	46.20	1
## 639	364-33-8584	2	1	1	3	17.63	5
## 640	665-63-9737	2	2	2	2	52.42	3

## 641	695-09-5146	2	1	1	3	98.79	3
## 642	155-45-3814	3	1	1	1	88.55	8
## 643	794-32-2436	2	1	2	1	55.67	2
## 644	131-15-8856	3	1	1	3	72.52	8
## 645	273-84-2164	3	1	2	1	12.05	5
## 646	706-36-6154	1	1	2	5	19.36	9
## 647	778-89-7974	3	2	2	4	70.21	6
## 648	574-31-8277	2	1	2	2	33.63	1
## 649	859-71-0933	3	1	1	6	15.49	2
## 650	740-11-5257	3	2	2	1	24.74	10
## 651	369-82-2676	2	2	2	1	75.66	5
## 652	563-47-4072	2	2	1	4	55.81	6
## 653	742-04-5161	1	1	2	5	72.78	10
## 654	149-15-7606	2	1	2	6	37.32	9
## 655	133-77-3154	2	1	2	2	60.18	4
## 656	169-52-4504	1	2	1	1	15.69	3
## 657	250-81-7186	3	2	1	1	99.69	1
## 658	562-12-5430	1	1	1	2	88.15	3
## 659	816-72-8853	1	1	1	6	27.93	5
## 660	491-38-3499	1	1	2	2	55.45	1
## 661	322-02-2271	2	2	1	6	42.97	3
## 662	842-29-4695	3	1	2	6	17.14	7
## 663	725-67-2480	2	1	1	2	58.75	6
## 664	641-51-2661	3	1	1	3	87.10	10
## 665	714-02-3114	3	2	1	6	98.80	2
## 666	518-17-2983	1	2	1	2	48.63	4
## 667	779-42-2410	2	1	2	3	57.74	3
## 668	190-14-3147	2	2	1	4	17.97	4
## 669	408-66-6712	3	1	1	4	47.71	6
## 670	679-22-6530	2	2	1	6	40.62	2
## 671	588-47-8641	1	1	2	2	56.04	10
## 672	642-61-4706	2	1	2	3	93.40	2
## 673	576-31-4774	2	2	1	4	73.41	3
## 674	556-41-6224	3	2	2	4	33.64	8
## 675	811-03-8790	1	2	1	1	45.48	10
## 676	242-11-3142	2	1	2	2	83.77	2
## 677	752-23-3760	2	1	1	6	64.08	7
## 678	274-05-5470	1	1	1	3	73.47	4
## 679	648-94-3045	3	2	2	4	58.95	10
## 680	130-67-4723	1	1	2	3	48.50	6
## 681	528-87-5606	2	1	1	1	39.48	1
## 682	320-85-2052	2	2	1	6	34.81	1
## 683	370-96-0655	3	2	1	2	49.32	6
## 684	105-10-6182	1	1	2	2	21.48	2
## 685	510-79-0415	2	1	1	6	23.08	6
## 686	241-96-5076	2	1	1	5	49.10	2
## 687	767-97-4650	2	1	1	6	64.83	2
## 688	648-83-1321	1	1	2	5	63.56	10
## 689	173-57-2300	3	1	2	6	72.88	2
## 690	305-03-2383	1	2	1	3	67.10	3
## 691	394-55-6384	3	1	1	6	70.19	9
## 692	266-20-6657	3	1	2	3	55.04	7
## 693	689-05-1884	1	1	2	4	48.63	10
## 694	196-01-2849	3	1	1	2	73.38	7

## 695	372-62-5264	3	2	1	3	52.60	9
## 696	800-09-8606	1	1	1	5	87.37	5
## 697	182-52-7000	1	1	1	6	27.04	4
## 698	826-58-8051	2	2	2	5	62.19	4
## 699	868-06-0466	1	1	2	1	69.58	9
## 700	751-41-9720	3	2	2	5	97.50	10
## 701	626-43-7888	3	2	1	2	60.41	8
## 702	176-64-7711	2	2	2	3	32.32	3
## 703	191-29-0321	2	1	1	2	19.77	10
## 704	729-06-2010	2	1	2	4	80.47	9
## 705	640-48-5028	2	1	1	5	88.39	9
## 706	186-79-9562	2	2	2	4	71.77	7
## 707	834-45-5519	2	2	1	1	43.00	4
## 708	162-65-8559	3	1	2	3	68.98	1
## 709	760-27-5490	3	2	2	2	15.62	8
## 710	445-30-9252	1	2	2	6	25.70	3
## 711	786-94-2700	1	1	2	3	80.62	6
## 712	728-88-7867	3	1	1	5	75.53	4
## 713	183-21-3799	3	2	1	1	77.63	9
## 714	268-20-3585	3	2	1	4	13.85	9
## 715	735-32-9839	3	1	2	2	98.70	8
## 716	258-92-7466	1	2	1	4	35.68	5
## 717	857-16-3520	1	1	1	2	71.46	7
## 718	482-17-1179	1	1	2	1	11.94	3
## 719	788-21-5741	1	2	2	2	45.38	3
## 720	821-14-9046	2	1	1	2	17.48	6
## 721	418-05-0656	2	2	1	2	25.56	7
## 722	678-79-0726	3	1	1	6	90.63	9
## 723	776-68-1096	2	2	2	5	44.12	3
## 724	592-46-1692	3	1	1	3	36.77	7
## 725	434-35-9162	2	1	2	3	23.34	4
## 726	149-14-0304	3	1	1	4	28.50	8
## 727	442-44-6497	3	1	2	5	55.57	3
## 728	174-64-0215	2	2	2	6	69.74	10
## 729	210-74-9613	3	2	2	2	97.26	4
## 730	299-29-0180	2	1	1	5	52.18	7
## 731	247-11-2470	1	1	1	2	22.32	4
## 732	635-28-5728	1	2	2	4	56.00	3
## 733	756-49-0168	1	1	2	2	19.70	1
## 734	438-23-1242	2	2	2	1	75.88	7
## 735	238-45-6950	2	1	2	3	53.72	1
## 736	607-65-2441	3	1	2	4	81.95	10
## 737	386-27-7606	3	1	1	5	81.20	7
## 738	137-63-5492	3	2	2	1	58.76	10
## 739	197-77-7132	2	1	2	1	91.56	8
## 740	805-86-0265	1	2	2	5	93.96	9
## 741	733-29-1227	3	2	2	5	55.61	7
## 742	451-73-2711	3	2	2	3	84.83	1
## 743	373-14-0504	1	1	1	6	71.63	2
## 744	546-80-2899	1	1	2	5	37.69	2
## 745	345-68-9016	3	1	1	6	31.67	8
## 746	390-17-5806	3	1	1	3	38.42	1
## 747	457-13-1708	2	1	2	2	65.23	10
## 748	664-14-2882	3	1	1	5	10.53	5

## 749	487-79-6868	2	1	1	5	12.29	9
## 750	314-23-4520	3	1	2	4	81.23	7
## 751	210-30-7976	2	1	1	2	22.32	4
## 752	585-86-8361	1	2	1	3	27.28	5
## 753	807-14-7833	1	1	1	1	17.42	10
## 754	775-72-1988	2	2	2	5	73.28	5
## 755	288-38-3758	3	1	1	2	84.87	3
## 756	652-43-6591	1	2	1	2	97.29	8
## 757	785-96-0615	2	1	1	1	35.74	8
## 758	406-46-7107	1	2	1	5	96.52	6
## 759	250-17-5703	1	1	2	3	18.85	10
## 760	156-95-3964	1	2	1	3	55.39	4
## 761	842-40-8179	2	1	1	3	77.20	10
## 762	525-09-8450	2	2	2	1	72.13	10
## 763	410-67-1709	1	1	1	2	63.88	8
## 764	587-73-4862	1	1	1	4	10.69	5
## 765	787-87-2010	1	1	2	4	55.50	4
## 766	593-14-4239	2	2	1	5	95.46	8
## 767	801-88-0346	3	2	1	2	76.06	3
## 768	388-76-2555	2	2	2	6	13.69	6
## 769	711-31-1234	2	2	1	1	95.64	4
## 770	886-54-6089	1	2	1	5	11.43	6
## 771	707-32-7409	2	1	1	6	95.54	4
## 772	759-98-4285	3	1	1	4	85.87	7
## 773	201-63-8275	3	1	1	6	67.99	7
## 774	471-06-8611	3	2	1	3	52.42	1
## 775	200-16-5952	3	1	2	3	65.65	2
## 776	120-54-2248	2	2	1	3	28.86	5
## 777	102-77-2261	3	1	2	4	65.31	7
## 778	875-31-8302	2	2	2	6	93.38	1
## 779	102-06-2002	3	1	2	6	25.25	5
## 780	457-94-0464	2	1	2	1	87.87	9
## 781	629-42-4133	3	2	2	4	21.80	8
## 782	534-53-3526	1	2	1	6	94.76	4
## 783	307-04-2070	1	1	1	2	30.62	1
## 784	468-99-7231	3	2	1	5	44.01	8
## 785	516-77-6464	3	1	1	4	10.16	5
## 786	404-91-5964	1	2	2	1	74.58	7
## 787	886-77-9084	3	2	2	1	71.89	8
## 788	790-38-4466	3	2	1	4	10.99	5
## 789	704-10-4056	3	1	2	4	60.47	3
## 790	497-37-6538	1	2	2	6	58.91	7
## 791	651-96-5970	1	2	2	2	46.41	1
## 792	400-80-4065	3	1	2	4	68.55	4
## 793	744-16-7898	2	2	1	5	97.37	10
## 794	263-12-5321	1	1	2	1	92.60	7
## 795	702-72-0487	1	2	1	1	46.61	2
## 796	605-83-1050	2	2	2	2	27.18	2
## 797	443-60-9639	3	1	1	5	60.87	1
## 798	864-24-7918	1	1	1	6	24.49	10
## 799	359-94-5395	2	2	2	4	92.78	1
## 800	401-09-4232	3	1	2	5	86.69	5
## 801	751-15-6198	2	2	2	6	23.01	6
## 802	324-41-6833	3	1	1	1	30.20	8

## 803	474-33-8305	3	1	2	2	67.39	7
## 804	759-29-9521	1	1	1	2	48.96	9
## 805	831-81-6575	2	1	1	1	75.59	9
## 806	220-68-6701	1	2	1	5	77.47	4
## 807	618-34-8551	1	2	1	6	93.18	2
## 808	257-60-7754	1	2	1	1	50.23	4
## 809	559-61-5987	2	2	1	4	17.75	1
## 810	189-55-2313	3	2	1	2	62.18	10
## 811	565-91-4567	2	2	2	4	10.75	8
## 812	380-60-5336	1	2	1	1	40.26	10
## 813	815-04-6282	3	1	1	6	64.97	5
## 814	674-56-6360	1	2	2	1	95.15	1
## 815	778-34-2523	1	1	1	1	48.62	8
## 816	499-27-7781	2	2	1	3	53.21	8
## 817	477-59-2456	3	2	1	2	45.44	7
## 818	832-51-6761	1	2	2	3	33.88	8
## 819	869-11-3082	2	1	2	4	96.16	4
## 820	190-59-3964	2	1	2	3	47.16	5
## 821	366-43-6862	2	2	2	1	52.89	4
## 822	186-43-8965	1	1	1	5	47.68	2
## 823	784-21-9238	3	1	2	6	10.17	1
## 824	276-75-6884	1	2	1	4	68.71	3
## 825	109-86-4363	2	1	1	6	60.08	7
## 826	569-76-2760	1	1	1	6	22.01	4
## 827	222-42-0244	2	1	1	4	72.11	9
## 828	760-53-9233	1	1	2	2	41.28	3
## 829	538-22-0304	3	2	2	1	64.95	10
## 830	416-17-9926	1	1	1	1	74.22	10
## 831	237-44-6163	1	2	2	1	10.56	8
## 832	636-17-0325	2	2	2	4	62.57	4
## 833	343-75-9322	2	1	1	6	11.85	8
## 834	528-14-9470	1	1	2	4	91.30	1
## 835	427-45-9297	2	1	1	5	40.73	7
## 836	807-34-3742	1	2	2	2	52.38	1
## 837	288-62-1085	1	1	2	2	38.54	5
## 838	670-71-7306	2	2	2	6	44.63	6
## 839	660-29-7083	3	2	2	1	55.87	10
## 840	271-77-8740	3	1	1	6	29.22	6
## 841	497-36-0989	1	2	2	2	51.94	3
## 842	291-59-1384	2	2	2	1	60.30	1
## 843	860-73-6466	1	1	1	6	39.47	2
## 844	549-23-9016	3	1	1	3	14.87	2
## 845	896-34-0956	1	2	2	2	21.32	1
## 846	804-38-3935	1	1	2	1	93.78	3
## 847	585-90-0249	1	1	2	1	73.26	1
## 848	862-29-5914	3	2	1	6	22.38	1
## 849	845-94-6841	3	1	1	3	72.88	9
## 850	125-45-2293	1	2	1	2	99.10	6
## 851	843-73-4724	1	2	2	2	74.10	1
## 852	409-33-9708	1	2	1	2	98.48	2
## 853	658-66-3967	3	2	2	4	53.19	7
## 854	866-70-2814	2	2	1	1	52.79	10
## 855	160-22-2687	1	1	1	4	95.95	5
## 856	895-03-6665	2	2	1	2	36.51	9

## 857	770-42-8960	2	2	2	3	21.12	8
## 858	748-45-2862	1	1	1	5	28.31	4
## 859	234-36-2483	2	2	2	4	57.59	6
## 860	316-66-3011	1	1	1	3	47.63	9
## 861	848-95-6252	3	1	1	5	86.27	1
## 862	840-76-5966	1	1	2	6	12.76	2
## 863	152-03-4217	2	2	1	5	11.28	9
## 864	533-66-5566	2	2	1	5	51.07	7
## 865	124-31-1458	1	1	1	1	79.59	3
## 866	176-78-1170	3	1	2	4	33.81	3
## 867	361-59-0574	2	1	2	6	90.53	8
## 868	101-81-4070	3	1	1	4	62.82	2
## 869	631-34-1880	3	1	2	3	24.31	3
## 870	852-82-2749	1	2	2	6	64.59	4
## 871	873-14-6353	1	1	2	3	24.82	7
## 872	584-66-4073	3	2	2	2	56.50	1
## 873	544-55-9589	2	1	1	1	21.43	10
## 874	166-19-2553	1	1	2	6	89.06	6
## 875	737-88-5876	1	1	2	5	23.29	4
## 876	154-87-7367	3	2	2	5	65.26	8
## 877	885-56-0389	3	1	2	2	52.35	1
## 878	608-05-3804	2	1	2	1	39.75	1
## 879	448-61-3783	1	2	1	1	90.02	8
## 880	761-49-0439	2	1	1	1	12.10	8
## 881	490-95-0021	2	1	1	3	33.21	10
## 882	115-38-7388	3	1	1	2	10.18	8
## 883	311-13-6971	2	1	2	6	31.99	10
## 884	291-55-6563	1	1	1	5	34.42	6
## 885	548-48-3156	1	1	1	3	83.34	2
## 886	460-93-5834	1	2	2	6	45.58	7
## 887	325-89-4209	1	1	2	3	87.90	1
## 888	884-80-6021	1	1	1	1	73.47	10
## 889	137-74-8729	3	2	1	2	12.19	8
## 890	880-46-5796	1	1	2	6	76.92	10
## 891	389-70-2397	3	2	1	4	83.66	5
## 892	114-35-5271	2	2	1	1	57.91	8
## 893	607-76-6216	3	1	1	2	92.49	5
## 894	715-20-1673	2	2	2	1	28.38	5
## 895	811-35-1094	2	1	2	1	50.45	6
## 896	699-88-1972	2	2	2	4	99.16	8
## 897	781-84-8059	3	2	2	2	60.74	7
## 898	409-49-6995	3	1	1	3	47.27	6
## 899	725-54-0677	3	1	2	4	85.60	7
## 900	146-09-5432	1	1	2	3	35.04	9
## 901	377-79-7592	3	1	1	1	44.84	9
## 902	509-10-0516	2	2	2	5	45.97	4
## 903	595-94-9924	1	1	1	4	27.73	5
## 904	865-41-9075	1	2	2	3	11.53	7
## 905	545-07-8534	3	2	1	4	58.32	2
## 906	118-62-1812	3	1	1	5	78.38	4
## 907	450-42-3339	3	2	2	4	84.61	10
## 908	851-98-3555	2	2	1	4	82.88	5
## 909	186-71-5196	1	1	1	3	79.54	2
## 910	624-01-8356	2	2	1	5	49.01	10

## 911	313-66-9943	2	1	1	3	29.15	3
## 912	151-27-8496	3	2	1	1	56.13	4
## 913	453-33-6436	1	2	1	5	93.12	8
## 914	522-57-8364	1	1	2	2	51.34	8
## 915	459-45-2396	1	1	1	3	99.60	3
## 916	717-96-4189	3	2	1	1	35.49	6
## 917	722-13-2115	3	1	2	6	42.85	1
## 918	749-81-8133	1	2	1	2	94.67	4
## 919	777-67-2495	2	2	2	5	68.97	3
## 920	636-98-3364	2	1	1	1	26.26	3
## 921	246-55-6923	3	1	1	5	35.79	9
## 922	181-82-6255	2	2	1	5	16.37	6
## 923	838-02-1821	3	1	1	5	12.73	2
## 924	887-42-0517	3	2	1	6	83.14	7
## 925	457-12-0244	3	1	1	6	35.22	6
## 926	226-34-0034	2	2	1	1	13.78	4
## 927	321-49-7382	2	1	2	6	88.31	1
## 928	397-25-8725	1	1	1	4	39.62	9
## 929	431-66-2305	2	2	1	1	88.25	9
## 930	825-94-5922	2	2	2	6	25.31	2
## 931	641-62-7288	2	2	2	5	99.92	6
## 932	756-93-1854	3	1	1	2	83.35	2
## 933	243-55-8457	1	2	1	3	74.44	10
## 934	458-10-8612	3	2	2	4	64.08	7
## 935	501-61-1753	2	2	1	5	63.15	6
## 936	235-06-8510	3	1	2	5	85.72	3
## 937	433-08-7822	3	2	1	4	78.89	7
## 938	361-85-2571	1	2	1	6	89.48	5
## 939	131-70-8179	1	1	1	4	92.09	3
## 940	500-02-2261	3	2	1	3	57.29	6
## 941	720-72-2436	1	2	2	3	66.52	4
## 942	702-83-5291	3	1	2	2	99.82	9
## 943	809-69-9497	1	2	1	5	45.68	10
## 944	449-16-6770	1	2	2	4	50.79	5
## 945	333-23-2632	1	1	2	4	10.08	7
## 946	489-82-1237	1	2	1	1	93.88	7
## 947	859-97-6048	3	1	2	1	84.25	2
## 948	676-10-2200	2	1	2	2	53.78	1
## 949	373-88-1424	3	1	2	5	35.81	5
## 950	365-16-4334	2	2	1	3	26.43	8
## 951	503-21-4385	2	1	2	4	39.91	3
## 952	305-89-2768	2	1	1	5	21.90	3
## 953	574-80-1489	2	1	1	3	62.85	4
## 954	784-08-0310	3	1	1	3	21.04	4
## 955	200-40-6154	2	1	2	5	65.91	6
## 956	846-10-0341	1	2	1	2	42.57	7
## 957	577-34-7579	3	1	2	3	50.49	9
## 958	430-02-3888	2	2	2	1	46.02	6
## 959	867-47-1948	3	2	1	5	15.80	10
## 960	384-59-6655	1	1	1	3	98.66	9
## 961	256-58-3609	3	1	2	2	91.98	1
## 962	324-92-3863	1	1	2	1	20.89	2
## 963	593-08-5916	1	2	1	2	15.50	1
## 964	364-34-2972	3	1	2	1	96.82	3

## 965	794-42-3736	2	2	2	3	33.33	2
## 966	172-42-8274	2	2	1	1	38.27	2
## 967	558-60-5016	1	2	1	5	33.30	9
## 968	195-06-0432	1	1	2	5	81.01	3
## 969	605-03-2706	1	2	1	4	15.80	3
## 970	214-30-2776	2	1	1	1	34.49	5
## 971	746-04-1077	2	1	1	3	84.63	10
## 972	448-34-8700	2	1	2	5	36.91	7
## 973	452-04-8808	2	2	2	1	87.08	7
## 974	531-56-4728	1	2	2	5	80.08	3
## 975	744-82-9138	3	2	2	2	86.13	2
## 976	883-69-1285	2	1	2	2	49.92	2
## 977	221-25-5073	1	2	1	3	74.66	4
## 978	518-71-6847	2	1	2	3	26.60	6
## 979	156-20-0370	2	2	1	1	25.45	1
## 980	151-33-7434	2	2	1	3	67.77	1
## 981	728-47-9078	3	1	2	3	59.59	4
## 982	809-46-1866	1	2	2	4	58.15	4
## 983	139-32-4183	1	1	1	6	97.48	9
## 984	148-41-7930	3	2	2	4	99.96	7
## 985	189-40-5216	3	2	2	1	96.37	7
## 986	374-38-5555	2	2	1	2	63.71	5
## 987	764-44-8999	2	2	1	4	14.76	2
## 988	552-44-5977	2	1	2	4	62.00	8
## 989	267-62-7380	3	1	2	1	82.34	10
## 990	430-53-4718	2	1	2	4	75.37	8
## 991	886-18-2897	1	2	1	3	56.56	5
## 992	602-16-6955	2	2	1	6	76.60	10
## 993	745-74-0715	1	2	2	1	58.03	2
## 994	690-01-6631	2	2	2	2	17.49	10
## 995	652-49-6720	3	1	1	1	60.95	1
## 996	233-67-5758	3	2	2	4	40.35	1
## 997	303-96-2227	2	2	1	5	97.38	10
## 998	727-02-1313	1	1	2	3	31.84	1
## 999	347-56-2442	1	2	2	5	65.82	1
## 1000	849-09-3807	1	1	1	2	88.34	7

##	Tax	Date	Time	Payment	cogs	gross.margin.percentage
## 1	26.1415	2019-01-05	13:08	3	522.83	4.761905
## 2	3.8200	2019-03-08	10:29	1	76.40	4.761905
## 3	16.2155	2019-03-03	13:23	2	324.31	4.761905
## 4	23.2880	2019-01-27	20:33	3	465.76	4.761905
## 5	30.2085	2019-02-08	10:37	3	604.17	4.761905
## 6	29.8865	2019-03-25	18:30	3	597.73	4.761905
## 7	20.6520	2019-02-25	14:36	3	413.04	4.761905
## 8	36.7800	2019-02-24	11:38	3	735.60	4.761905
## 9	3.6260	2019-01-10	17:15	2	72.52	4.761905
## 10	8.2260	2019-02-20	13:27	2	164.52	4.761905
## 11	2.8960	2019-02-06	18:07	3	57.92	4.761905
## 12	5.1020	2019-03-09	17:03	1	102.04	4.761905
## 13	11.7375	2019-02-12	10:25	3	234.75	4.761905
## 14	21.5950	2019-02-07	16:48	3	431.90	4.761905
## 15	35.6900	2019-03-29	19:21	1	713.80	4.761905
## 16	28.1160	2019-01-15	16:19	1	562.32	4.761905
## 17	24.1255	2019-03-11	11:03	2	482.51	4.761905

## 18	21.7830	2019-01-01	10:39	2	435.66	4.761905
## 19	8.2005	2019-01-21	18:00	2	164.01	4.761905
## 20	4.0300	2019-03-11	15:30	3	80.60	4.761905
## 21	21.5100	2019-02-25	11:24	3	430.20	4.761905
## 22	13.1970	2019-03-05	10:40	3	263.94	4.761905
## 23	3.3200	2019-03-15	12:20	2	66.40	4.761905
## 24	8.6400	2019-02-17	11:15	3	172.80	4.761905
## 25	13.2945	2019-03-02	17:36	3	265.89	4.761905
## 26	21.0360	2019-03-22	19:20	2	420.72	4.761905
## 27	1.6760	2019-02-08	15:31	1	33.52	4.761905
## 28	8.7670	2019-03-10	12:17	2	175.34	4.761905
## 29	22.0900	2019-01-25	19:48	1	441.80	4.761905
## 30	11.2005	2019-03-15	15:36	1	224.01	4.761905
## 31	23.5325	2019-02-25	19:39	2	470.65	4.761905
## 32	35.1315	2019-01-28	12:43	1	702.63	4.761905
## 33	33.5120	2019-01-10	14:49	1	670.24	4.761905
## 34	9.6580	2019-03-15	10:12	2	193.16	4.761905
## 35	19.8840	2019-02-06	10:42	3	397.68	4.761905
## 36	3.4060	2019-01-07	12:28	3	68.12	4.761905
## 37	15.6550	2019-03-10	19:15	3	313.10	4.761905
## 38	27.3960	2019-01-15	17:17	3	547.92	4.761905
## 39	21.9680	2019-03-23	13:24	3	439.36	4.761905
## 40	12.0480	2019-03-03	13:01	1	240.96	4.761905
## 41	4.3360	2019-01-17	18:45	3	86.72	4.761905
## 42	5.6110	2019-02-02	10:11	1	112.22	4.761905
## 43	20.7360	2019-02-08	13:03	1	414.72	4.761905
## 44	39.4800	2019-03-04	20:39	1	789.60	4.761905
## 45	1.5370	2019-03-16	19:47	1	30.74	4.761905
## 46	18.7920	2019-03-09	18:00	1	375.84	4.761905
## 47	25.5105	2019-02-27	17:24	2	510.21	4.761905
## 48	9.0045	2019-02-06	15:47	3	180.09	4.761905
## 49	5.6790	2019-02-10	12:45	2	113.58	4.761905
## 50	41.3150	2019-03-19	17:08	3	826.30	4.761905
## 51	31.9900	2019-02-03	10:19	1	639.80	4.761905
## 52	11.1475	2019-02-10	15:10	1	222.95	4.761905
## 53	3.5740	2019-03-22	14:42	3	71.48	4.761905
## 54	0.7715	2019-01-25	15:46	2	15.43	4.761905
## 55	1.6160	2019-03-07	11:49	3	32.32	4.761905
## 56	34.3920	2019-02-28	19:01	1	687.84	4.761905
## 57	4.4340	2019-03-27	11:26	1	88.68	4.761905
## 58	35.8400	2019-02-07	11:28	3	716.80	4.761905
## 59	36.1750	2019-01-20	15:55	1	723.50	4.761905
## 60	9.1830	2019-03-12	20:36	1	183.66	4.761905
## 61	3.7110	2019-02-15	17:47	2	74.22	4.761905
## 62	16.7190	2019-02-24	10:55	3	334.38	4.761905
## 63	24.7815	2019-02-03	13:40	3	495.63	4.761905
## 64	7.9050	2019-03-06	12:27	2	158.10	4.761905
## 65	15.1480	2019-02-14	14:35	1	302.96	4.761905
## 66	7.9350	2019-03-13	16:40	1	158.70	4.761905
## 67	3.3470	2019-02-10	15:43	3	66.94	4.761905
## 68	29.2830	2019-01-07	15:01	3	585.66	4.761905
## 69	39.3850	2019-01-24	10:04	1	787.70	4.761905
## 70	0.9165	2019-02-02	18:50	1	18.33	4.761905
## 71	44.7400	2019-01-06	12:46	2	894.80	4.761905

## 72	31.0600	2019-02-11	16:19	1	621.20	4.761905
## 73	7.2780	2019-03-05	18:17	3	145.56	4.761905
## 74	22.7730	2019-03-09	18:21	1	455.46	4.761905
## 75	33.6015	2019-01-22	10:55	3	672.03	4.761905
## 76	20.8250	2019-01-13	17:04	2	416.50	4.761905
## 77	22.0680	2019-01-09	14:20	2	441.36	4.761905
## 78	9.0045	2019-01-12	15:48	2	180.09	4.761905
## 79	39.1550	2019-03-05	16:24	3	783.10	4.761905
## 80	5.0950	2019-01-22	18:56	1	101.90	4.761905
## 81	29.7570	2019-01-21	14:42	2	595.14	4.761905
## 82	14.5020	2019-01-26	19:56	3	290.04	4.761905
## 83	7.7000	2019-01-23	18:37	3	154.00	4.761905
## 84	16.0720	2019-02-23	18:45	2	321.44	4.761905
## 85	12.2275	2019-03-09	10:17	1	244.55	4.761905
## 86	29.0710	2019-03-05	14:31	3	581.42	4.761905
## 87	19.1300	2019-03-25	10:23	1	382.60	4.761905
## 88	17.2830	2019-03-27	20:35	2	345.66	4.761905
## 89	2.1235	2019-01-02	16:57	1	42.47	4.761905
## 90	23.0970	2019-02-27	17:55	1	461.94	4.761905
## 91	9.4760	2019-01-23	10:25	1	189.52	4.761905
## 92	22.4300	2019-01-26	19:54	3	448.60	4.761905
## 93	7.6930	2019-01-10	16:42	3	153.86	4.761905
## 94	28.9620	2019-03-12	12:09	2	579.24	4.761905
## 95	4.4875	2019-02-06	20:05	2	89.75	4.761905
## 96	4.8580	2019-03-08	20:38	3	97.16	4.761905
## 97	43.9350	2019-03-29	10:25	3	878.70	4.761905
## 98	3.7350	2019-02-09	13:11	1	74.70	4.761905
## 99	7.9125	2019-03-23	10:16	3	158.25	4.761905
## 100	24.8100	2019-03-05	18:14	1	496.20	4.761905
## 101	2.4355	2019-03-26	19:20	1	48.71	4.761905
## 102	35.3475	2019-03-01	13:22	1	706.95	4.761905
## 103	10.3815	2019-02-01	11:27	1	207.63	4.761905
## 104	17.4780	2019-03-28	16:44	1	349.56	4.761905
## 105	10.6225	2019-03-19	18:19	1	212.45	4.761905
## 106	44.3350	2019-01-12	14:50	3	886.70	4.761905
## 107	8.2140	2019-01-05	20:54	2	164.28	4.761905
## 108	18.6390	2019-03-22	20:19	1	372.78	4.761905
## 109	15.2910	2019-03-24	10:43	1	305.82	4.761905
## 110	40.9850	2019-03-03	14:30	1	819.70	4.761905
## 111	1.6490	2019-02-05	11:32	3	32.98	4.761905
## 112	14.7315	2019-02-05	10:41	2	294.63	4.761905
## 113	25.4940	2019-02-15	12:44	1	509.88	4.761905
## 114	26.1315	2019-01-19	20:07	3	522.63	4.761905
## 115	36.3555	2019-02-01	20:31	2	727.11	4.761905
## 116	4.0530	2019-03-02	13:01	2	81.06	4.761905
## 117	5.4850	2019-03-05	12:29	3	109.70	4.761905
## 118	2.5680	2019-01-16	15:26	3	51.36	4.761905
## 119	5.4800	2019-02-02	20:48	3	109.60	4.761905
## 120	5.3440	2019-01-20	20:38	3	106.88	4.761905
## 121	39.8240	2019-02-14	17:03	2	796.48	4.761905
## 122	19.9920	2019-01-12	12:02	2	399.84	4.761905
## 123	44.9820	2019-03-09	17:26	2	899.64	4.761905
## 124	25.5640	2019-03-13	19:52	2	511.28	4.761905
## 125	22.5880	2019-03-09	14:57	3	451.76	4.761905

## 126	32.7915	2019-03-10	18:44	2 655.83	4.761905
## 127	8.0625	2019-01-27	13:26	1 161.25	4.761905
## 128	14.2785	2019-01-08	16:17	2 285.57	4.761905
## 129	27.4160	2019-01-08	15:57	3 548.32	4.761905
## 130	40.6260	2019-02-08	11:15	3 812.52	4.761905
## 131	13.8670	2019-01-25	13:18	1 277.34	4.761905
## 132	27.6390	2019-03-06	20:34	1 552.78	4.761905
## 133	6.9680	2019-02-10	18:36	1 139.36	4.761905
## 134	26.2350	2019-02-17	14:40	2 524.70	4.761905
## 135	24.3900	2019-03-08	16:43	3 487.80	4.761905
## 136	13.5330	2019-02-18	19:39	1 270.66	4.761905
## 137	6.5775	2019-01-18	20:59	2 131.55	4.761905
## 138	10.3260	2019-02-18	15:39	1 206.52	4.761905
## 139	25.9550	2019-02-16	12:21	1 519.10	4.761905
## 140	29.0000	2019-03-16	19:25	3 580.00	4.761905
## 141	44.9000	2019-01-23	13:00	2 898.00	4.761905
## 142	45.2500	2019-01-25	13:48	1 905.00	4.761905
## 143	34.3000	2019-02-05	19:57	1 686.00	4.761905
## 144	1.5205	2019-02-22	10:36	2 30.41	4.761905
## 145	23.3850	2019-01-21	16:37	3 467.70	4.761905
## 146	13.8780	2019-03-08	17:11	2 277.56	4.761905
## 147	15.0700	2019-02-10	12:28	3 301.40	4.761905
## 148	13.2280	2019-03-19	12:46	2 264.56	4.761905
## 149	28.7440	2019-03-06	15:07	2 574.88	4.761905
## 150	12.9840	2019-03-27	13:48	2 259.68	4.761905
## 151	18.3080	2019-03-23	19:20	2 366.16	4.761905
## 152	12.0960	2019-03-11	16:07	2 241.92	4.761905
## 153	37.4580	2019-01-29	11:56	2 749.16	4.761905
## 154	4.9440	2019-02-07	18:23	3 98.88	4.761905
## 155	32.3880	2019-01-28	13:05	1 647.76	4.761905
## 156	23.0725	2019-02-20	15:55	2 461.45	4.761905
## 157	3.6085	2019-01-04	19:40	1 72.17	4.761905
## 158	12.5700	2019-03-07	13:58	3 251.40	4.761905
## 159	43.7490	2019-03-30	14:43	3 874.98	4.761905
## 160	28.0170	2019-03-27	19:18	3 560.34	4.761905
## 161	17.2720	2019-01-19	19:39	2 345.44	4.761905
## 162	3.1845	2019-02-25	16:21	1 63.69	4.761905
## 163	16.0265	2019-03-13	19:44	2 320.53	4.761905
## 164	7.6400	2019-01-30	19:42	3 152.80	4.761905
## 165	19.9500	2019-02-20	15:24	2 399.00	4.761905
## 166	17.0280	2019-02-25	14:12	3 340.56	4.761905
## 167	47.7900	2019-01-16	13:32	1 955.80	4.761905
## 168	49.4900	2019-02-08	16:20	2 989.80	4.761905
## 169	15.3840	2019-01-19	16:31	1 307.68	4.761905
## 170	24.3320	2019-02-01	15:10	2 486.64	4.761905
## 171	17.5025	2019-01-03	11:36	3 350.05	4.761905
## 172	20.0125	2019-01-26	12:45	2 400.25	4.761905
## 173	8.3400	2019-03-03	19:17	1 166.80	4.761905
## 174	15.8670	2019-01-19	17:34	2 317.34	4.761905
## 175	7.9160	2019-01-18	12:04	3 158.32	4.761905
## 176	15.2280	2019-03-21	16:21	3 304.56	4.761905
## 177	8.8680	2019-03-03	17:01	2 177.36	4.761905
## 178	7.8785	2019-02-13	10:50	2 157.57	4.761905
## 179	22.1640	2019-03-23	19:16	3 443.28	4.761905

## 180	13.0200	2019-01-28	16:47	3	260.40	4.761905
## 181	22.4910	2019-02-09	10:00	1	449.82	4.761905
## 182	15.3880	2019-01-23	11:51	1	307.76	4.761905
## 183	7.7500	2019-03-23	10:55	3	155.00	4.761905
## 184	13.7240	2019-01-25	15:00	3	274.48	4.761905
## 185	4.3190	2019-03-04	11:19	2	86.38	4.761905
## 186	2.7120	2019-03-05	19:46	3	54.24	4.761905
## 187	37.7960	2019-03-03	19:00	3	755.92	4.761905
## 188	9.2940	2019-02-08	10:53	1	185.88	4.761905
## 189	3.7035	2019-02-10	12:50	3	74.07	4.761905
## 190	13.9620	2019-01-28	20:50	2	279.24	4.761905
## 191	11.5560	2019-02-11	10:39	2	231.12	4.761905
## 192	7.3520	2019-01-15	13:41	3	147.04	4.761905
## 193	39.5100	2019-03-16	19:08	1	790.20	4.761905
## 194	5.1100	2019-01-26	20:23	3	102.20	4.761905
## 195	8.1775	2019-03-19	11:30	2	163.55	4.761905
## 196	3.7145	2019-01-13	19:30	1	74.29	4.761905
## 197	4.3700	2019-03-26	18:03	1	87.40	4.761905
## 198	1.2645	2019-03-23	10:13	3	25.29	4.761905
## 199	8.3000	2019-03-12	19:58	2	166.00	4.761905
## 200	17.8475	2019-02-17	19:57	2	356.95	4.761905
## 201	5.7450	2019-01-29	10:01	2	114.90	4.761905
## 202	11.4980	2019-03-15	11:57	1	229.96	4.761905
## 203	21.4935	2019-01-14	10:02	1	429.87	4.761905
## 204	12.9500	2019-02-06	14:51	3	259.00	4.761905
## 205	4.4425	2019-02-15	12:42	2	88.85	4.761905
## 206	10.3635	2019-01-03	12:02	3	207.27	4.761905
## 207	29.9925	2019-01-04	18:19	2	599.85	4.761905
## 208	14.2650	2019-03-18	17:38	3	285.30	4.761905
## 209	4.5555	2019-03-28	13:41	3	91.11	4.761905
## 210	44.8785	2019-03-02	19:42	2	897.57	4.761905
## 211	11.8035	2019-01-25	20:24	3	236.07	4.761905
## 212	41.9670	2019-01-16	18:08	1	839.34	4.761905
## 213	23.0900	2019-03-20	19:17	3	461.80	4.761905
## 214	6.9630	2019-01-04	13:24	2	139.26	4.761905
## 215	10.3635	2019-03-11	15:53	1	207.27	4.761905
## 216	0.9140	2019-03-22	15:05	2	18.28	4.761905
## 217	6.1925	2019-03-24	18:27	1	123.85	4.761905
## 218	14.1960	2019-02-21	16:55	1	283.92	4.761905
## 219	37.9480	2019-02-12	12:58	3	758.96	4.761905
## 220	8.6010	2019-03-10	18:59	2	172.02	4.761905
## 221	13.6050	2019-01-31	13:44	3	272.10	4.761905
## 222	21.7280	2019-03-06	13:46	3	434.56	4.761905
## 223	2.9525	2019-02-17	18:06	1	59.05	4.761905
## 224	0.6270	2019-02-21	12:38	1	12.54	4.761905
## 225	4.3250	2019-03-20	15:56	1	86.50	4.761905
## 226	8.7160	2019-01-11	14:29	2	174.32	4.761905
## 227	31.2165	2019-01-26	19:14	3	624.33	4.761905
## 228	7.4120	2019-01-31	16:24	3	148.24	4.761905
## 229	27.2100	2019-02-26	10:52	1	544.20	4.761905
## 230	25.3680	2019-03-11	12:55	3	507.36	4.761905
## 231	8.1370	2019-01-26	19:28	1	162.74	4.761905
## 232	1.5885	2019-03-12	13:52	2	31.77	4.761905
## 233	37.8405	2019-02-11	10:54	1	756.81	4.761905

## 234	14.7640	2019-02-21	18:31	1	295.28	4.761905
## 235	25.9700	2019-03-09	18:24	3	519.40	4.761905
## 236	9.3140	2019-01-20	18:09	3	186.28	4.761905
## 237	4.3525	2019-01-28	15:16	2	87.05	4.761905
## 238	11.0550	2019-03-05	17:07	2	221.10	4.761905
## 239	3.3050	2019-03-02	19:26	1	66.10	4.761905
## 240	4.4845	2019-01-11	11:20	3	89.69	4.761905
## 241	11.2230	2019-01-11	16:49	2	224.46	4.761905
## 242	5.9770	2019-03-11	12:01	2	119.54	4.761905
## 243	9.3200	2019-02-28	18:37	2	186.40	4.761905
## 244	12.5300	2019-01-05	11:25	1	250.60	4.761905
## 245	37.5480	2019-02-02	18:42	2	750.96	4.761905
## 246	19.0360	2019-01-01	14:47	1	380.72	4.761905
## 247	12.2100	2019-02-09	19:43	1	244.20	4.761905
## 248	4.4850	2019-01-23	14:04	3	89.70	4.761905
## 249	15.5440	2019-01-07	16:11	2	310.88	4.761905
## 250	25.5710	2019-01-14	19:06	2	511.42	4.761905
## 251	20.9475	2019-02-02	15:34	3	418.95	4.761905
## 252	17.5950	2019-03-17	19:06	2	351.90	4.761905
## 253	1.4390	2019-03-02	19:44	2	28.78	4.761905
## 254	4.7500	2019-03-16	11:22	1	95.00	4.761905
## 255	23.5600	2019-01-06	11:23	1	471.20	4.761905
## 256	6.5240	2019-01-29	14:12	1	130.48	4.761905
## 257	3.3175	2019-01-31	10:46	2	66.35	4.761905
## 258	7.7730	2019-02-05	10:16	3	155.46	4.761905
## 259	6.4500	2019-02-13	12:38	3	129.00	4.761905
## 260	13.1880	2019-02-07	13:05	2	263.76	4.761905
## 261	33.7770	2019-03-19	13:25	3	675.54	4.761905
## 262	3.2900	2019-03-07	14:53	3	65.80	4.761905
## 263	7.6600	2019-03-13	19:22	1	153.20	4.761905
## 264	11.1200	2019-02-09	11:00	1	222.40	4.761905
## 265	2.7225	2019-02-26	19:24	3	54.45	4.761905
## 266	34.4400	2019-03-12	12:43	2	688.80	4.761905
## 267	7.0940	2019-03-14	17:22	2	141.88	4.761905
## 268	37.3000	2019-01-08	20:55	1	746.00	4.761905
## 269	14.1480	2019-01-05	16:05	2	282.96	4.761905
## 270	17.7700	2019-01-04	13:34	3	355.40	4.761905
## 271	16.8575	2019-03-06	18:13	3	337.15	4.761905
## 272	2.1120	2019-01-03	19:17	1	42.24	4.761905
## 273	9.6930	2019-01-07	11:44	2	193.86	4.761905
## 274	1.2030	2019-01-27	15:51	1	24.06	4.761905
## 275	29.9130	2019-02-26	16:52	3	598.26	4.761905
## 276	16.7895	2019-01-07	20:52	1	335.79	4.761905
## 277	10.9100	2019-01-07	17:36	1	218.20	4.761905
## 278	19.0840	2019-02-02	13:23	3	381.68	4.761905
## 279	35.4950	2019-03-20	16:28	1	709.90	4.761905
## 280	22.0100	2019-03-20	19:57	2	440.20	4.761905
## 281	27.9840	2019-02-15	17:01	2	559.68	4.761905
## 282	1.8500	2019-03-06	13:29	2	37.00	4.761905
## 283	0.7670	2019-01-06	11:09	1	15.34	4.761905
## 284	29.9490	2019-03-04	15:02	3	598.98	4.761905
## 285	9.5340	2019-03-12	14:21	1	190.68	4.761905
## 286	16.6700	2019-02-20	18:01	1	333.40	4.761905
## 287	3.7430	2019-03-24	14:49	1	74.86	4.761905

## 288	10.6875	2019-01-31	12:02	1	213.75	4.761905
## 289	16.9785	2019-01-25	13:30	2	339.57	4.761905
## 290	33.2080	2019-02-03	14:38	1	664.16	4.761905
## 291	20.1500	2019-01-24	17:37	2	403.00	4.761905
## 292	9.7475	2019-03-14	17:20	3	194.95	4.761905
## 293	3.1240	2019-02-18	20:29	1	62.48	4.761905
## 294	3.6360	2019-01-21	10:00	1	72.72	4.761905
## 295	9.0550	2019-03-13	11:46	3	181.10	4.761905
## 296	12.9800	2019-03-03	13:42	1	259.60	4.761905
## 297	5.7680	2019-03-29	14:44	1	115.36	4.761905
## 298	23.5140	2019-01-10	14:16	3	470.28	4.761905
## 299	12.0020	2019-01-25	15:54	1	240.04	4.761905
## 300	4.4305	2019-01-19	10:21	1	88.61	4.761905
## 301	9.9820	2019-01-02	18:09	2	199.64	4.761905
## 302	1.9505	2019-03-12	16:46	2	39.01	4.761905
## 303	2.4305	2019-02-25	15:31	1	48.61	4.761905
## 304	10.2380	2019-03-18	17:15	2	204.76	4.761905
## 305	5.9840	2019-02-23	12:29	1	119.68	4.761905
## 306	25.2700	2019-03-26	20:14	3	505.40	4.761905
## 307	14.0805	2019-03-30	13:22	1	281.61	4.761905
## 308	35.5160	2019-02-17	17:09	1	710.32	4.761905
## 309	3.9720	2019-03-21	10:40	3	79.44	4.761905
## 310	8.1910	2019-03-05	17:43	1	163.82	4.761905
## 311	23.9790	2019-01-31	14:04	1	479.58	4.761905
## 312	6.9330	2019-02-05	19:05	3	138.66	4.761905
## 313	3.5575	2019-02-01	10:08	2	71.15	4.761905
## 314	6.9975	2019-03-07	13:12	1	139.95	4.761905
## 315	39.0650	2019-02-10	20:51	1	781.30	4.761905
## 316	9.9370	2019-02-14	17:29	1	198.74	4.761905
## 317	3.1620	2019-02-09	10:25	1	63.24	4.761905
## 318	18.6975	2019-01-10	11:34	1	373.95	4.761905
## 319	10.3845	2019-03-11	18:58	2	207.69	4.761905
## 320	8.8140	2019-02-18	16:28	3	176.28	4.761905
## 321	10.3185	2019-02-26	20:26	1	206.37	4.761905
## 322	1.9710	2019-01-18	15:08	1	39.42	4.761905
## 323	4.5780	2019-02-15	18:03	3	91.56	4.761905
## 324	15.4425	2019-03-08	13:21	1	308.85	4.761905
## 325	6.4560	2019-01-17	12:48	2	129.12	4.761905
## 326	19.5480	2019-03-12	19:53	3	390.96	4.761905
## 327	24.9450	2019-03-09	19:09	1	498.90	4.761905
## 328	18.8520	2019-03-12	16:30	1	377.04	4.761905
## 329	10.2260	2019-01-25	10:11	2	204.52	4.761905
## 330	7.2720	2019-03-25	13:07	1	145.44	4.761905
## 331	9.9090	2019-02-07	18:48	1	198.18	4.761905
## 332	4.9350	2019-02-17	17:27	2	98.70	4.761905
## 333	19.2550	2019-02-03	15:59	1	385.10	4.761905
## 334	2.3480	2019-03-14	11:21	2	46.96	4.761905
## 335	3.6750	2019-03-24	13:48	3	73.50	4.761905
## 336	7.1125	2019-03-21	10:17	2	142.25	4.761905
## 337	34.3800	2019-03-19	15:49	3	687.60	4.761905
## 338	17.3850	2019-02-24	13:02	1	347.70	4.761905
## 339	7.1475	2019-03-28	12:58	2	142.95	4.761905
## 340	19.2690	2019-02-05	15:26	2	385.38	4.761905
## 341	7.2135	2019-02-10	18:23	2	144.27	4.761905

## 342	19.5895	2019-03-05	19:06	3	391.79	4.761905
## 343	26.9150	2019-02-15	20:21	1	538.30	4.761905
## 344	24.2575	2019-01-30	16:24	3	485.15	4.761905
## 345	6.6975	2019-02-14	15:04	1	133.95	4.761905
## 346	35.0685	2019-02-27	16:10	3	701.37	4.761905
## 347	3.5975	2019-02-04	12:14	1	71.95	4.761905
## 348	35.7000	2019-01-20	10:13	1	714.00	4.761905
## 349	9.1070	2019-03-28	17:38	1	182.14	4.761905
## 350	6.7500	2019-02-27	11:06	2	135.00	4.761905
## 351	49.6500	2019-02-15	14:53	2	993.00	4.761905
## 352	18.0915	2019-01-26	18:22	1	361.83	4.761905
## 353	19.1555	2019-03-14	19:02	2	383.11	4.761905
## 354	12.1500	2019-03-02	14:16	1	243.00	4.761905
## 355	1.5120	2019-03-04	15:44	1	30.24	4.761905
## 356	17.8280	2019-01-07	12:20	2	356.56	4.761905
## 357	18.7750	2019-03-08	20:01	2	375.50	4.761905
## 358	47.7200	2019-01-09	13:45	1	954.40	4.761905
## 359	4.1250	2019-03-01	15:40	3	82.50	4.761905
## 360	3.7485	2019-03-16	16:58	1	74.97	4.761905
## 361	32.3840	2019-02-17	11:12	2	647.68	4.761905
## 362	37.7880	2019-02-27	15:12	1	755.76	4.761905
## 363	9.9790	2019-03-07	20:37	3	199.58	4.761905
## 364	21.9660	2019-01-21	17:44	1	439.32	4.761905
## 365	8.2480	2019-02-19	16:23	1	164.96	4.761905
## 366	16.3360	2019-01-06	12:12	1	326.72	4.761905
## 367	23.0940	2019-03-14	19:33	1	461.88	4.761905
## 368	13.1880	2019-03-24	10:29	1	263.76	4.761905
## 369	7.1800	2019-01-27	14:28	1	143.60	4.761905
## 370	9.6750	2019-03-06	12:46	2	193.50	4.761905
## 371	9.1910	2019-02-02	19:40	1	183.82	4.761905
## 372	6.0960	2019-01-25	19:39	2	121.92	4.761905
## 373	21.0330	2019-03-14	17:54	3	420.66	4.761905
## 374	12.6240	2019-01-29	12:25	1	252.48	4.761905
## 375	16.7725	2019-01-03	16:47	2	335.45	4.761905
## 376	24.1750	2019-01-14	12:52	3	483.50	4.761905
## 377	15.9210	2019-01-05	19:50	2	318.42	4.761905
## 378	33.4215	2019-02-22	18:17	3	668.43	4.761905
## 379	19.3960	2019-02-06	17:20	3	387.92	4.761905
## 380	4.7300	2019-01-30	13:32	2	94.60	4.761905
## 381	16.4660	2019-01-11	10:37	2	329.32	4.761905
## 382	2.6610	2019-03-19	14:35	1	53.22	4.761905
## 383	24.9225	2019-01-14	12:09	1	498.45	4.761905
## 384	14.9780	2019-03-01	15:32	3	299.56	4.761905
## 385	10.2350	2019-01-06	13:58	3	204.70	4.761905
## 386	3.7910	2019-01-31	13:19	1	75.82	4.761905
## 387	14.0310	2019-03-11	13:37	1	280.62	4.761905
## 388	16.1600	2019-02-20	16:49	2	323.20	4.761905
## 389	24.3315	2019-01-27	14:55	3	486.63	4.761905
## 390	6.3770	2019-03-10	14:04	2	127.54	4.761905
## 391	12.0720	2019-02-15	12:31	1	241.44	4.761905
## 392	18.9750	2019-01-26	14:51	1	379.50	4.761905
## 393	3.8410	2019-02-13	18:27	3	76.82	4.761905
## 394	26.1300	2019-03-09	12:45	2	522.60	4.761905
## 395	3.9870	2019-03-06	10:36	3	79.74	4.761905

## 396	19.3750	2019-01-24	20:36	3	387.50	4.761905
## 397	13.5675	2019-03-13	14:16	3	271.35	4.761905
## 398	6.1155	2019-03-15	10:26	1	122.31	4.761905
## 399	12.3180	2019-03-05	13:30	2	246.36	4.761905
## 400	8.6580	2019-03-04	16:28	1	173.16	4.761905
## 401	11.8290	2019-03-25	20:18	2	236.58	4.761905
## 402	9.2440	2019-03-12	20:04	2	184.88	4.761905
## 403	0.6990	2019-02-04	13:38	3	13.98	4.761905
## 404	9.9375	2019-02-22	10:43	3	198.75	4.761905
## 405	34.2265	2019-02-16	17:30	3	684.53	4.761905
## 406	13.4520	2019-01-19	15:28	2	269.04	4.761905
## 407	3.4475	2019-01-11	19:07	2	68.95	4.761905
## 408	13.7420	2019-01-04	19:01	1	274.84	4.761905
## 409	11.3060	2019-03-04	19:48	3	226.12	4.761905
## 410	5.9550	2019-01-28	19:24	3	119.10	4.761905
## 411	17.1050	2019-01-02	13:00	1	342.10	4.761905
## 412	2.1870	2019-01-25	14:29	3	43.74	4.761905
## 413	5.2425	2019-01-04	13:21	1	104.85	4.761905
## 414	3.8760	2019-03-10	18:55	3	77.52	4.761905
## 415	20.3720	2019-03-22	19:36	3	407.44	4.761905
## 416	4.8055	2019-01-25	16:28	3	96.11	4.761905
## 417	9.0760	2019-01-08	13:48	2	181.52	4.761905
## 418	4.0755	2019-01-22	10:57	3	81.51	4.761905
## 419	5.7220	2019-01-12	17:13	3	114.44	4.761905
## 420	8.8270	2019-02-04	10:23	1	176.54	4.761905
## 421	5.7900	2019-03-28	13:57	3	115.80	4.761905
## 422	12.6075	2019-01-23	13:29	1	252.15	4.761905
## 423	48.6050	2019-02-08	13:00	2	972.10	4.761905
## 424	10.1680	2019-03-19	19:42	2	203.36	4.761905
## 425	0.8140	2019-03-09	15:36	1	16.28	4.761905
## 426	18.2745	2019-01-02	13:40	1	365.49	4.761905
## 427	18.6095	2019-01-21	18:01	1	372.19	4.761905
## 428	3.1305	2019-03-20	13:53	2	62.61	4.761905
## 429	16.8175	2019-02-27	17:27	1	336.35	4.761905
## 430	45.3250	2019-03-08	10:53	3	906.50	4.761905
## 431	6.9080	2019-01-31	19:48	2	138.16	4.761905
## 432	4.3270	2019-03-08	16:53	3	86.54	4.761905
## 433	7.0380	2019-01-13	19:14	3	140.76	4.761905
## 434	33.4390	2019-03-09	14:36	2	668.78	4.761905
## 435	2.3720	2019-02-22	18:19	2	47.44	4.761905
## 436	44.6580	2019-03-19	19:09	3	893.16	4.761905
## 437	16.5860	2019-01-20	16:51	3	331.72	4.761905
## 438	10.1970	2019-03-08	15:37	2	203.94	4.761905
## 439	3.4080	2019-03-08	20:15	3	68.16	4.761905
## 440	16.3440	2019-02-07	14:38	2	326.88	4.761905
## 441	4.3600	2019-01-15	19:25	1	87.20	4.761905
## 442	35.3720	2019-03-22	19:35	2	707.44	4.761905
## 443	40.1445	2019-01-15	15:42	2	802.89	4.761905
## 444	0.6390	2019-01-08	14:11	3	12.78	4.761905
## 445	6.6850	2019-01-15	10:43	1	133.70	4.761905
## 446	0.9575	2019-01-28	17:58	2	19.15	4.761905
## 447	13.8300	2019-02-14	11:26	2	276.60	4.761905
## 448	6.8610	2019-03-10	17:38	2	137.22	4.761905
## 449	1.3535	2019-01-12	20:07	2	27.07	4.761905

## 450	1.9560	2019-03-26	11:02	2	39.12	4.761905
## 451	22.4130	2019-01-01	19:07	1	448.26	4.761905
## 452	6.6030	2019-01-02	18:50	1	132.06	4.761905
## 453	15.9025	2019-03-16	12:43	3	318.05	4.761905
## 454	1.2500	2019-03-03	15:09	3	25.00	4.761905
## 455	4.1540	2019-01-31	13:47	1	83.08	4.761905
## 456	7.3900	2019-02-13	16:59	1	147.80	4.761905
## 457	34.8300	2019-02-15	14:15	2	696.60	4.761905
## 458	39.6950	2019-02-07	20:24	1	793.90	4.761905
## 459	23.2850	2019-01-27	13:58	1	465.70	4.761905
## 460	1.7945	2019-02-23	16:52	2	35.89	4.761905
## 461	10.1300	2019-02-03	15:19	1	202.60	4.761905
## 462	36.5250	2019-03-03	12:25	2	730.50	4.761905
## 463	14.7900	2019-02-03	10:02	1	295.80	4.761905
## 464	1.1310	2019-03-17	18:58	1	22.62	4.761905
## 465	12.8350	2019-03-28	15:31	2	256.70	4.761905
## 466	27.2750	2019-03-02	11:22	2	545.50	4.761905
## 467	13.0025	2019-02-08	13:12	2	260.05	4.761905
## 468	11.1060	2019-03-22	18:33	1	222.12	4.761905
## 469	1.0790	2019-02-09	10:02	3	21.58	4.761905
## 470	4.9420	2019-02-15	11:21	1	98.84	4.761905
## 471	25.1310	2019-01-23	12:10	3	502.62	4.761905
## 472	8.0100	2019-01-25	11:40	1	160.20	4.761905
## 473	21.5650	2019-02-02	18:31	2	431.30	4.761905
## 474	29.0280	2019-03-30	17:58	1	580.56	4.761905
## 475	16.1100	2019-03-30	17:04	1	322.20	4.761905
## 476	9.7770	2019-02-25	20:35	2	195.54	4.761905
## 477	8.3150	2019-03-18	16:10	2	166.30	4.761905
## 478	16.8140	2019-03-07	16:54	3	336.28	4.761905
## 479	17.1850	2019-03-16	10:11	3	343.70	4.761905
## 480	1.9300	2019-01-29	11:26	3	38.60	4.761905
## 481	26.3880	2019-02-02	20:29	1	527.76	4.761905
## 482	16.4000	2019-02-15	12:12	1	328.00	4.761905
## 483	9.2850	2019-01-08	13:05	3	185.70	4.761905
## 484	30.1900	2019-02-12	16:19	1	603.80	4.761905
## 485	18.4900	2019-01-01	19:48	2	369.80	4.761905
## 486	9.8980	2019-03-21	15:25	3	197.96	4.761905
## 487	20.5450	2019-02-28	14:42	1	410.90	4.761905
## 488	7.4300	2019-03-23	18:59	3	148.60	4.761905
## 489	1.1480	2019-01-30	20:47	1	22.96	4.761905
## 490	34.9560	2019-02-04	13:21	3	699.12	4.761905
## 491	3.4700	2019-03-13	19:48	3	69.40	4.761905
## 492	9.8300	2019-03-15	18:20	2	196.60	4.761905
## 493	10.1280	2019-03-05	20:24	3	202.56	4.761905
## 494	6.0600	2019-03-05	13:44	2	121.20	4.761905
## 495	9.9890	2019-02-26	11:48	3	199.78	4.761905
## 496	30.3680	2019-03-20	14:14	1	607.36	4.761905
## 497	6.3220	2019-01-01	15:51	1	126.44	4.761905
## 498	27.0720	2019-01-27	11:17	1	541.44	4.761905
## 499	4.9065	2019-01-21	17:36	1	98.13	4.761905
## 500	20.6080	2019-02-02	15:47	1	412.16	4.761905
## 501	3.6985	2019-02-03	15:53	2	73.97	4.761905
## 502	1.5950	2019-01-05	12:40	3	31.90	4.761905
## 503	6.9400	2019-01-27	19:48	3	138.80	4.761905

## 504	9.3310	2019-03-25	17:53	1	186.62	4.761905
## 505	4.4225	2019-02-25	16:36	2	88.45	4.761905
## 506	9.6720	2019-01-28	20:54	3	193.44	4.761905
## 507	7.2750	2019-01-08	12:50	1	145.50	4.761905
## 508	25.2150	2019-01-29	10:48	2	504.30	4.761905
## 509	15.3225	2019-03-29	14:28	1	306.45	4.761905
## 510	4.7850	2019-02-09	17:15	2	95.70	4.761905
## 511	31.7590	2019-01-16	18:03	2	635.18	4.761905
## 512	10.7275	2019-01-05	17:29	3	214.55	4.761905
## 513	18.9980	2019-01-27	18:05	3	379.96	4.761905
## 514	34.8425	2019-03-14	12:07	1	696.85	4.761905
## 515	20.4365	2019-02-23	19:49	2	408.73	4.761905
## 516	2.5735	2019-03-18	15:52	3	51.47	4.761905
## 517	13.7150	2019-03-29	16:48	3	274.30	4.761905
## 518	9.8475	2019-01-22	20:46	2	196.95	4.761905
## 519	3.4730	2019-03-01	18:14	3	69.46	4.761905
## 520	17.9800	2019-01-17	15:05	2	359.60	4.761905
## 521	6.8565	2019-03-26	10:34	2	137.13	4.761905
## 522	24.9510	2019-03-20	11:23	1	499.02	4.761905
## 523	11.2320	2019-02-06	13:55	2	224.64	4.761905
## 524	6.2870	2019-01-01	11:43	1	125.74	4.761905
## 525	24.5130	2019-01-27	14:36	2	490.26	4.761905
## 526	22.8525	2019-02-25	16:03	3	457.05	4.761905
## 527	7.8420	2019-01-16	20:03	2	156.84	4.761905
## 528	5.9860	2019-01-13	14:55	3	119.72	4.761905
## 529	27.1800	2019-02-07	11:28	2	543.60	4.761905
## 530	44.1405	2019-02-17	19:41	1	882.81	4.761905
## 531	7.6290	2019-02-12	19:01	3	152.58	4.761905
## 532	34.6720	2019-01-24	18:04	2	693.44	4.761905
## 533	11.4750	2019-02-06	19:20	3	229.50	4.761905
## 534	7.3395	2019-03-26	10:31	3	146.79	4.761905
## 535	7.0800	2019-03-11	13:28	3	141.60	4.761905
## 536	5.8345	2019-02-07	11:36	3	116.69	4.761905
## 537	3.6980	2019-01-05	11:32	2	73.96	4.761905
## 538	4.8970	2019-03-07	11:44	3	97.94	4.761905
## 539	14.6100	2019-02-25	17:16	2	292.20	4.761905
## 540	26.2440	2019-02-01	18:43	3	524.88	4.761905
## 541	4.6020	2019-01-22	11:00	3	92.04	4.761905
## 542	3.7940	2019-01-03	10:30	2	75.88	4.761905
## 543	4.0360	2019-02-13	12:14	2	80.72	4.761905
## 544	5.6310	2019-01-28	16:43	2	112.62	4.761905
## 545	3.5600	2019-01-05	20:40	2	71.20	4.761905
## 546	7.7620	2019-03-19	13:40	3	155.24	4.761905
## 547	14.7100	2019-01-12	16:23	3	294.20	4.761905
## 548	27.4275	2019-01-07	12:08	2	548.55	4.761905
## 549	12.8850	2019-01-26	17:45	1	257.70	4.761905
## 550	19.8180	2019-01-23	10:28	1	396.36	4.761905
## 551	8.5905	2019-02-09	20:31	3	171.81	4.761905
## 552	24.4395	2019-02-22	10:49	1	488.79	4.761905
## 553	26.2080	2019-02-05	12:34	1	524.16	4.761905
## 554	6.6630	2019-03-07	10:23	2	133.26	4.761905
## 555	6.7620	2019-03-25	18:51	1	135.24	4.761905
## 556	5.6220	2019-01-20	13:45	2	112.44	4.761905
## 557	7.2040	2019-02-04	19:38	1	144.08	4.761905

## 558	49.2600	2019-01-30	20:23	3	985.20	4.761905
## 559	12.4980	2019-01-02	15:24	3	249.96	4.761905
## 560	10.8630	2019-03-29	16:54	3	217.26	4.761905
## 561	9.7110	2019-03-14	12:32	1	194.22	4.761905
## 562	44.6000	2019-02-11	15:42	2	892.00	4.761905
## 563	16.9680	2019-01-30	13:58	3	339.36	4.761905
## 564	22.3530	2019-03-20	15:08	3	447.06	4.761905
## 565	9.9250	2019-03-20	13:02	1	198.50	4.761905
## 566	40.6050	2019-01-17	13:01	2	812.10	4.761905
## 567	24.6650	2019-02-03	16:40	2	493.30	4.761905
## 568	29.5830	2019-01-01	13:55	1	591.66	4.761905
## 569	27.9510	2019-01-10	10:33	2	559.02	4.761905
## 570	25.8930	2019-03-02	16:42	3	517.86	4.761905
## 571	20.5100	2019-02-25	17:16	2	410.20	4.761905
## 572	13.3350	2019-01-29	11:48	1	266.70	4.761905
## 573	3.5455	2019-03-10	19:35	3	70.91	4.761905
## 574	7.2390	2019-01-13	19:55	2	144.78	4.761905
## 575	21.4775	2019-03-22	14:33	2	429.55	4.761905
## 576	28.4585	2019-03-01	19:49	3	569.17	4.761905
## 577	12.0600	2019-02-20	18:43	1	241.20	4.761905
## 578	6.3540	2019-01-14	14:43	3	127.08	4.761905
## 579	12.8540	2019-03-26	13:54	1	257.08	4.761905
## 580	6.9510	2019-03-01	12:15	3	139.02	4.761905
## 581	4.0830	2019-01-07	12:37	1	81.66	4.761905
## 582	15.5360	2019-02-01	19:54	1	310.72	4.761905
## 583	9.2980	2019-02-13	15:06	2	185.96	4.761905
## 584	3.6160	2019-01-14	18:03	2	72.32	4.761905
## 585	9.4590	2019-01-19	15:58	3	189.18	4.761905
## 586	10.3420	2019-03-09	13:53	2	206.84	4.761905
## 587	7.8510	2019-03-27	14:03	1	157.02	4.761905
## 588	10.7650	2019-02-04	16:38	3	215.30	4.761905
## 589	29.8050	2019-03-14	11:07	1	596.10	4.761905
## 590	3.6550	2019-03-04	12:23	1	73.10	4.761905
## 591	13.9590	2019-03-03	10:54	2	279.18	4.761905
## 592	8.4840	2019-01-27	17:38	3	169.68	4.761905
## 593	2.2790	2019-02-07	14:13	1	45.58	4.761905
## 594	11.2800	2019-02-05	11:51	3	225.60	4.761905
## 595	14.5200	2019-03-15	13:05	1	290.40	4.761905
## 596	2.2230	2019-03-01	11:30	2	44.46	4.761905
## 597	7.8300	2019-02-15	13:30	2	156.60	4.761905
## 598	20.9970	2019-02-17	19:11	3	419.94	4.761905
## 599	9.2125	2019-01-26	18:53	1	184.25	4.761905
## 600	7.0320	2019-03-24	14:22	3	140.64	4.761905
## 601	4.1540	2019-01-23	17:16	3	83.08	4.761905
## 602	3.2495	2019-01-26	10:06	2	64.99	4.761905
## 603	38.7800	2019-03-14	20:35	3	775.60	4.761905
## 604	16.3530	2019-03-17	13:54	3	327.06	4.761905
## 605	18.1615	2019-01-08	20:08	1	363.23	4.761905
## 606	6.3500	2019-02-08	15:26	1	127.00	4.761905
## 607	18.7775	2019-02-10	12:56	3	375.55	4.761905
## 608	9.9580	2019-03-28	19:16	2	199.16	4.761905
## 609	1.5305	2019-01-23	12:20	3	30.61	4.761905
## 610	5.7890	2019-01-17	10:37	3	115.78	4.761905
## 611	1.4480	2019-02-07	10:18	2	28.96	4.761905

## 612	44.5365	2019-03-09	11:23	1	890.73	4.761905
## 613	13.9830	2019-01-24	11:45	1	279.66	4.761905
## 614	4.0465	2019-01-19	16:08	2	80.93	4.761905
## 615	33.7250	2019-02-03	11:25	3	674.50	4.761905
## 616	17.4240	2019-03-20	12:24	3	348.48	4.761905
## 617	21.7800	2019-01-13	19:51	1	435.60	4.761905
## 618	21.9775	2019-03-14	18:10	3	439.55	4.761905
## 619	29.5590	2019-01-23	11:22	2	591.18	4.761905
## 620	13.0380	2019-02-07	17:55	3	260.76	4.761905
## 621	10.7520	2019-03-28	15:30	2	215.04	4.761905
## 622	4.5805	2019-03-20	19:44	1	91.61	4.761905
## 623	33.1065	2019-01-17	15:27	2	662.13	4.761905
## 624	41.6250	2019-01-12	11:25	2	832.50	4.761905
## 625	4.5675	2019-02-16	15:42	1	91.35	4.761905
## 626	7.8880	2019-01-26	16:04	1	157.76	4.761905
## 627	6.0870	2019-03-09	12:37	3	121.74	4.761905
## 628	41.2900	2019-03-14	14:41	1	825.80	4.761905
## 629	7.9950	2019-01-25	14:19	3	159.90	4.761905
## 630	0.6045	2019-01-26	18:19	2	12.09	4.761905
## 631	32.0950	2019-01-19	14:08	2	641.90	4.761905
## 632	11.7465	2019-03-05	16:38	3	234.93	4.761905
## 633	8.3770	2019-01-15	10:54	2	167.54	4.761905
## 634	14.9550	2019-03-18	11:29	3	299.10	4.761905
## 635	11.9865	2019-03-20	19:28	2	239.73	4.761905
## 636	33.2350	2019-01-15	15:01	2	664.70	4.761905
## 637	10.1325	2019-03-03	20:31	2	202.65	4.761905
## 638	2.3100	2019-03-19	12:16	1	46.20	4.761905
## 639	4.4075	2019-03-08	15:27	1	88.15	4.761905
## 640	7.8630	2019-02-27	17:36	3	157.26	4.761905
## 641	14.8185	2019-02-23	20:00	3	296.37	4.761905
## 642	35.4200	2019-03-19	15:29	3	708.40	4.761905
## 643	5.5670	2019-03-27	15:08	3	111.34	4.761905
## 644	29.0080	2019-03-30	19:26	2	580.16	4.761905
## 645	3.0125	2019-02-16	15:53	3	60.25	4.761905
## 646	8.7120	2019-01-18	18:43	3	174.24	4.761905
## 647	21.0630	2019-03-30	14:58	1	421.26	4.761905
## 648	1.6815	2019-03-20	19:55	1	33.63	4.761905
## 649	1.5490	2019-01-16	15:10	1	30.98	4.761905
## 650	12.3700	2019-02-24	16:44	1	247.40	4.761905
## 651	18.9150	2019-01-15	18:22	3	378.30	4.761905
## 652	16.7430	2019-01-22	11:52	1	334.86	4.761905
## 653	36.3900	2019-02-03	17:24	1	727.80	4.761905
## 654	16.7940	2019-03-06	15:31	3	335.88	4.761905
## 655	12.0360	2019-02-16	18:04	2	240.72	4.761905
## 656	2.3535	2019-03-14	14:13	2	47.07	4.761905
## 657	4.9845	2019-02-27	10:23	2	99.69	4.761905
## 658	13.2225	2019-01-18	10:11	3	264.45	4.761905
## 659	6.9825	2019-01-29	15:48	1	139.65	4.761905
## 660	2.7725	2019-02-26	17:46	2	55.45	4.761905
## 661	6.4455	2019-02-03	11:46	1	128.91	4.761905
## 662	5.9990	2019-01-16	12:07	2	119.98	4.761905
## 663	17.6250	2019-03-24	18:14	2	352.50	4.761905
## 664	43.5500	2019-02-12	14:45	2	871.00	4.761905
## 665	9.8800	2019-02-21	11:39	1	197.60	4.761905

## 666	9.7260	2019-02-04	15:44	3	194.52	4.761905
## 667	8.6610	2019-02-20	13:06	3	173.22	4.761905
## 668	3.5940	2019-02-23	20:43	3	71.88	4.761905
## 669	14.3130	2019-02-16	14:19	3	286.26	4.761905
## 670	4.0620	2019-01-17	10:01	2	81.24	4.761905
## 671	28.0200	2019-01-14	19:30	3	560.40	4.761905
## 672	9.3400	2019-03-30	16:34	1	186.80	4.761905
## 673	11.0115	2019-03-02	13:10	3	220.23	4.761905
## 674	13.4560	2019-02-15	17:10	2	269.12	4.761905
## 675	22.7400	2019-03-01	10:22	2	454.80	4.761905
## 676	8.3770	2019-02-24	19:57	1	167.54	4.761905
## 677	22.4280	2019-02-19	19:29	2	448.56	4.761905
## 678	14.6940	2019-02-23	18:30	1	293.88	4.761905
## 679	29.4750	2019-02-07	14:27	3	589.50	4.761905
## 680	14.5500	2019-01-11	13:57	3	291.00	4.761905
## 681	1.9740	2019-02-12	19:43	1	39.48	4.761905
## 682	1.7405	2019-01-14	10:11	2	34.81	4.761905
## 683	14.7960	2019-01-09	13:46	3	295.92	4.761905
## 684	2.1480	2019-02-27	12:22	3	42.96	4.761905
## 685	6.9240	2019-01-24	19:20	3	138.48	4.761905
## 686	4.9100	2019-01-08	12:58	2	98.20	4.761905
## 687	6.4830	2019-01-08	11:59	2	129.66	4.761905
## 688	31.7800	2019-01-16	17:59	1	635.60	4.761905
## 689	7.2880	2019-03-13	12:51	1	145.76	4.761905
## 690	10.0650	2019-02-15	10:36	1	201.30	4.761905
## 691	31.5855	2019-01-25	13:38	1	631.71	4.761905
## 692	19.2640	2019-03-12	19:39	3	385.28	4.761905
## 693	24.3150	2019-03-04	12:44	1	486.30	4.761905
## 694	25.6830	2019-02-10	13:56	1	513.66	4.761905
## 695	23.6700	2019-01-16	14:42	1	473.40	4.761905
## 696	21.8425	2019-01-29	19:45	1	436.85	4.761905
## 697	5.4080	2019-01-01	20:26	3	108.16	4.761905
## 698	12.4380	2019-01-06	19:46	3	248.76	4.761905
## 699	31.3110	2019-02-19	19:38	2	626.22	4.761905
## 700	48.7500	2019-01-12	16:18	3	975.00	4.761905
## 701	24.1640	2019-02-07	12:23	3	483.28	4.761905
## 702	4.8480	2019-03-27	19:11	2	96.96	4.761905
## 703	9.8850	2019-02-27	18:57	2	197.70	4.761905
## 704	36.2115	2019-01-06	11:18	1	724.23	4.761905
## 705	39.7755	2019-03-02	12:40	1	795.51	4.761905
## 706	25.1195	2019-03-29	14:06	1	502.39	4.761905
## 707	8.6000	2019-01-31	20:48	3	172.00	4.761905
## 708	3.4490	2019-01-21	20:13	1	68.98	4.761905
## 709	6.2480	2019-01-20	20:37	3	124.96	4.761905
## 710	3.8550	2019-01-17	17:59	3	77.10	4.761905
## 711	24.1860	2019-02-28	20:18	1	483.72	4.761905
## 712	15.1060	2019-03-19	15:52	3	302.12	4.761905
## 713	34.9335	2019-02-19	15:14	3	698.67	4.761905
## 714	6.2325	2019-02-04	12:50	3	124.65	4.761905
## 715	39.4800	2019-01-31	10:36	3	789.60	4.761905
## 716	8.9200	2019-02-06	18:33	2	178.40	4.761905
## 717	25.0110	2019-03-28	16:06	3	500.22	4.761905
## 718	1.7910	2019-01-19	12:47	2	35.82	4.761905
## 719	6.8070	2019-02-17	13:34	2	136.14	4.761905

## 720	5.2440	2019-01-18	15:04	2	104.88	4.761905
## 721	8.9460	2019-02-02	20:42	1	178.92	4.761905
## 722	40.7835	2019-01-18	15:28	1	815.67	4.761905
## 723	6.6180	2019-03-18	13:45	2	132.36	4.761905
## 724	12.8695	2019-01-11	20:10	1	257.39	4.761905
## 725	4.6680	2019-02-04	18:53	3	93.36	4.761905
## 726	11.4000	2019-02-06	14:24	1	228.00	4.761905
## 727	8.3355	2019-01-08	11:42	2	166.71	4.761905
## 728	34.8700	2019-03-05	17:49	2	697.40	4.761905
## 729	19.4520	2019-03-16	15:33	3	389.04	4.761905
## 730	18.2630	2019-03-09	10:54	1	365.26	4.761905
## 731	4.4640	2019-03-01	16:23	2	89.28	4.761905
## 732	8.4000	2019-02-28	19:33	3	168.00	4.761905
## 733	0.9850	2019-02-08	11:39	3	19.70	4.761905
## 734	26.5580	2019-01-24	10:38	3	531.16	4.761905
## 735	2.6860	2019-03-01	20:03	3	53.72	4.761905
## 736	40.9750	2019-03-10	12:39	2	819.50	4.761905
## 737	28.4200	2019-03-23	15:59	2	568.40	4.761905
## 738	29.3800	2019-01-29	14:26	3	587.60	4.761905
## 739	36.6240	2019-01-12	18:22	3	732.48	4.761905
## 740	42.2820	2019-03-20	11:32	1	845.64	4.761905
## 741	19.4635	2019-03-23	12:41	1	389.27	4.761905
## 742	4.2415	2019-01-14	15:20	3	84.83	4.761905
## 743	7.1630	2019-02-12	14:33	3	143.26	4.761905
## 744	3.7690	2019-02-20	15:29	3	75.38	4.761905
## 745	12.6680	2019-01-02	16:19	2	253.36	4.761905
## 746	1.9210	2019-02-02	16:33	1	38.42	4.761905
## 747	32.6150	2019-01-08	19:07	2	652.30	4.761905
## 748	2.6325	2019-01-30	14:43	2	52.65	4.761905
## 749	5.5305	2019-03-26	19:28	2	110.61	4.761905
## 750	28.4305	2019-01-15	20:44	1	568.61	4.761905
## 751	4.4640	2019-03-14	11:16	3	89.28	4.761905
## 752	6.8200	2019-02-03	10:31	2	136.40	4.761905
## 753	8.7100	2019-02-22	12:30	3	174.20	4.761905
## 754	18.3200	2019-01-24	15:05	3	366.40	4.761905
## 755	12.7305	2019-01-25	18:30	3	254.61	4.761905
## 756	38.9160	2019-03-09	13:18	2	778.32	4.761905
## 757	14.2960	2019-02-17	15:28	3	285.92	4.761905
## 758	28.9560	2019-01-11	11:52	1	579.12	4.761905
## 759	9.4250	2019-02-27	18:24	3	188.50	4.761905
## 760	11.0780	2019-03-25	15:19	3	221.56	4.761905
## 761	38.6000	2019-02-11	10:38	2	772.00	4.761905
## 762	36.0650	2019-01-31	15:12	2	721.30	4.761905
## 763	25.5520	2019-01-20	17:48	3	511.04	4.761905
## 764	2.6725	2019-03-26	11:07	3	53.45	4.761905
## 765	11.1000	2019-01-20	15:48	2	222.00	4.761905
## 766	38.1840	2019-03-05	19:40	3	763.68	4.761905
## 767	11.4090	2019-01-05	20:30	2	228.18	4.761905
## 768	4.1070	2019-02-13	13:59	1	82.14	4.761905
## 769	19.1280	2019-03-16	18:51	1	382.56	4.761905
## 770	3.4290	2019-01-15	17:24	1	68.58	4.761905
## 771	19.1080	2019-02-26	11:58	3	382.16	4.761905
## 772	30.0545	2019-02-27	19:01	2	601.09	4.761905
## 773	23.7965	2019-02-17	16:50	3	475.93	4.761905

## 774	2.6210	2019-02-06	10:22	2	52.42	4.761905
## 775	6.5650	2019-01-17	16:46	1	131.30	4.761905
## 776	7.2150	2019-01-22	18:08	2	144.30	4.761905
## 777	22.8585	2019-03-05	18:02	2	457.17	4.761905
## 778	4.6690	2019-01-03	13:07	1	93.38	4.761905
## 779	6.3125	2019-03-20	17:52	1	126.25	4.761905
## 780	39.5415	2019-01-31	20:32	3	790.83	4.761905
## 781	8.7200	2019-02-19	19:24	1	174.40	4.761905
## 782	18.9520	2019-02-11	16:06	3	379.04	4.761905
## 783	1.5310	2019-02-05	14:14	2	30.62	4.761905
## 784	17.6040	2019-03-03	17:36	1	352.08	4.761905
## 785	2.5400	2019-02-24	13:08	3	50.80	4.761905
## 786	26.1030	2019-02-04	16:09	2	522.06	4.761905
## 787	28.7560	2019-02-19	11:33	3	575.12	4.761905
## 788	2.7475	2019-01-23	10:18	2	54.95	4.761905
## 789	9.0705	2019-01-14	10:55	2	181.41	4.761905
## 790	20.6185	2019-01-17	15:15	3	412.37	4.761905
## 791	2.3205	2019-03-03	20:06	2	46.41	4.761905
## 792	13.7100	2019-02-15	20:21	2	274.20	4.761905
## 793	48.6850	2019-01-15	13:48	2	973.70	4.761905
## 794	32.4100	2019-02-27	12:52	2	648.20	4.761905
## 795	4.6610	2019-02-26	12:28	2	93.22	4.761905
## 796	2.7180	2019-03-15	16:26	3	54.36	4.761905
## 797	3.0435	2019-01-24	13:24	1	60.87	4.761905
## 798	12.2450	2019-02-22	15:15	1	244.90	4.761905
## 799	4.6390	2019-03-15	10:50	2	92.78	4.761905
## 800	21.6725	2019-02-11	18:38	3	433.45	4.761905
## 801	6.9030	2019-01-12	16:45	3	138.06	4.761905
## 802	12.0800	2019-03-03	19:30	3	241.60	4.761905
## 803	23.5865	2019-03-23	13:23	3	471.73	4.761905
## 804	22.0320	2019-03-04	11:27	1	440.64	4.761905
## 805	34.0155	2019-02-23	11:12	1	680.31	4.761905
## 806	15.4940	2019-03-17	16:36	1	309.88	4.761905
## 807	9.3180	2019-01-16	18:41	2	186.36	4.761905
## 808	10.0460	2019-01-08	17:12	1	200.92	4.761905
## 809	0.8875	2019-01-14	10:38	1	17.75	4.761905
## 810	31.0900	2019-01-31	10:33	3	621.80	4.761905
## 811	4.3000	2019-03-15	14:38	3	86.00	4.761905
## 812	20.1300	2019-02-24	18:06	2	402.60	4.761905
## 813	16.2425	2019-02-08	12:52	2	324.85	4.761905
## 814	4.7575	2019-03-22	14:00	1	95.15	4.761905
## 815	19.4480	2019-01-24	10:57	1	388.96	4.761905
## 816	21.2840	2019-03-14	16:45	3	425.68	4.761905
## 817	15.9040	2019-01-23	11:15	1	318.08	4.761905
## 818	13.5520	2019-01-19	20:29	3	271.04	4.761905
## 819	19.2320	2019-01-27	20:03	2	384.64	4.761905
## 820	11.7900	2019-02-03	14:35	2	235.80	4.761905
## 821	10.5780	2019-03-25	16:32	3	211.56	4.761905
## 822	4.7680	2019-02-24	10:10	2	95.36	4.761905
## 823	0.5085	2019-02-07	14:15	1	10.17	4.761905
## 824	10.3065	2019-03-04	10:05	1	206.13	4.761905
## 825	21.0280	2019-02-14	11:36	2	420.56	4.761905
## 826	4.4020	2019-01-29	18:15	2	88.04	4.761905
## 827	32.4495	2019-01-28	13:53	2	648.99	4.761905

## 828	6.1920	2019-03-26	18:37	2 123.84	4.761905
## 829	32.4750	2019-03-24	18:27	1 649.50	4.761905
## 830	37.1100	2019-01-01	14:42	2 742.20	4.761905
## 831	4.2240	2019-01-24	17:43	1 84.48	4.761905
## 832	12.5140	2019-02-25	18:37	1 250.28	4.761905
## 833	4.7400	2019-01-09	16:34	1 94.80	4.761905
## 834	4.5650	2019-02-14	14:42	3 91.30	4.761905
## 835	14.2555	2019-03-12	11:01	3 285.11	4.761905
## 836	2.6190	2019-03-26	19:44	1 52.38	4.761905
## 837	9.6350	2019-01-09	13:34	3 192.70	4.761905
## 838	13.3890	2019-01-02	20:08	2 267.78	4.761905
## 839	27.9350	2019-01-15	15:01	1 558.70	4.761905
## 840	8.7660	2019-01-01	11:40	3 175.32	4.761905
## 841	7.7910	2019-02-15	15:21	1 155.82	4.761905
## 842	3.0150	2019-02-28	17:38	1 60.30	4.761905
## 843	3.9470	2019-03-02	16:16	2 78.94	4.761905
## 844	1.4870	2019-02-13	18:15	2 29.74	4.761905
## 845	1.0660	2019-01-26	12:43	1 21.32	4.761905
## 846	14.0670	2019-01-30	11:32	2 281.34	4.761905
## 847	3.6630	2019-01-27	18:08	3 73.26	4.761905
## 848	1.1190	2019-01-30	17:08	2 22.38	4.761905
## 849	32.7960	2019-01-08	19:38	1 655.92	4.761905
## 850	29.7300	2019-01-19	13:11	1 594.60	4.761905
## 851	3.7050	2019-01-25	11:05	1 74.10	4.761905
## 852	9.8480	2019-02-19	10:12	3 196.96	4.761905
## 853	18.6165	2019-01-14	15:42	3 372.33	4.761905
## 854	26.3950	2019-02-25	11:58	3 527.90	4.761905
## 855	23.9875	2019-01-23	14:21	3 479.75	4.761905
## 856	16.4295	2019-02-16	10:52	1 328.59	4.761905
## 857	8.4480	2019-01-01	19:31	1 168.96	4.761905
## 858	5.6620	2019-03-07	18:35	1 113.24	4.761905
## 859	17.2770	2019-02-15	13:51	1 345.54	4.761905
## 860	21.4335	2019-01-23	12:35	1 428.67	4.761905
## 861	4.3135	2019-02-20	13:24	3 86.27	4.761905
## 862	1.2760	2019-01-08	18:06	3 25.52	4.761905
## 863	5.0760	2019-03-17	11:55	2 101.52	4.761905
## 864	17.8745	2019-01-12	11:42	1 357.49	4.761905
## 865	11.9385	2019-01-08	14:30	1 238.77	4.761905
## 866	5.0715	2019-01-26	15:11	3 101.43	4.761905
## 867	36.2120	2019-03-15	14:48	2 724.24	4.761905
## 868	6.2820	2019-01-17	12:36	3 125.64	4.761905
## 869	3.6465	2019-01-08	19:09	2 72.93	4.761905
## 870	12.9180	2019-01-06	13:35	3 258.36	4.761905
## 871	8.6870	2019-02-16	10:33	2 173.74	4.761905
## 872	2.8250	2019-03-13	15:45	3 56.50	4.761905
## 873	10.7150	2019-01-28	11:51	1 214.30	4.761905
## 874	26.7180	2019-01-18	17:26	1 534.36	4.761905
## 875	4.6580	2019-03-19	11:52	2 93.16	4.761905
## 876	26.1040	2019-03-15	14:04	3 522.08	4.761905
## 877	2.6175	2019-02-12	17:49	1 52.35	4.761905
## 878	1.9875	2019-02-25	20:19	1 39.75	4.761905
## 879	36.0080	2019-03-21	16:08	2 720.16	4.761905
## 880	4.8400	2019-01-19	10:17	3 96.80	4.761905
## 881	16.6050	2019-01-08	14:25	3 332.10	4.761905

## 882	4.0720	2019-03-30	12:51	2	81.44	4.761905
## 883	15.9950	2019-02-20	15:18	2	319.90	4.761905
## 884	10.3260	2019-03-30	12:45	3	206.52	4.761905
## 885	8.3340	2019-03-19	13:37	1	166.68	4.761905
## 886	15.9530	2019-01-13	10:03	1	319.06	4.761905
## 887	4.3950	2019-02-05	19:42	3	87.90	4.761905
## 888	36.7350	2019-03-23	13:14	3	734.70	4.761905
## 889	4.8760	2019-03-13	12:47	3	97.52	4.761905
## 890	38.4600	2019-03-17	19:53	3	769.20	4.761905
## 891	20.9150	2019-02-21	10:26	1	418.30	4.761905
## 892	23.1640	2019-02-07	15:06	1	463.28	4.761905
## 893	23.1225	2019-03-02	16:35	2	462.45	4.761905
## 894	7.0950	2019-03-06	20:57	1	141.90	4.761905
## 895	15.1350	2019-02-06	15:16	2	302.70	4.761905
## 896	39.6640	2019-01-28	17:47	2	793.28	4.761905
## 897	21.2590	2019-01-18	16:23	3	425.18	4.761905
## 898	14.1810	2019-02-05	10:17	1	283.62	4.761905
## 899	29.9600	2019-03-02	13:50	1	599.20	4.761905
## 900	15.7680	2019-02-09	19:17	3	315.36	4.761905
## 901	20.1780	2019-01-14	14:00	2	403.56	4.761905
## 902	9.1940	2019-02-09	12:02	3	183.88	4.761905
## 903	6.9325	2019-03-26	20:21	2	138.65	4.761905
## 904	4.0355	2019-01-28	17:35	1	80.71	4.761905
## 905	5.8320	2019-02-14	12:42	3	116.64	4.761905
## 906	15.6760	2019-03-24	17:56	1	313.52	4.761905
## 907	42.3050	2019-02-09	18:58	2	846.10	4.761905
## 908	20.7200	2019-03-24	14:08	2	414.40	4.761905
## 909	7.9540	2019-03-27	16:30	3	159.08	4.761905
## 910	24.5050	2019-01-27	10:44	2	490.10	4.761905
## 911	4.3725	2019-03-27	20:29	2	87.45	4.761905
## 912	11.2260	2019-01-19	11:43	3	224.52	4.761905
## 913	37.2480	2019-02-07	10:09	1	744.96	4.761905
## 914	20.5360	2019-01-31	10:00	3	410.72	4.761905
## 915	14.9400	2019-02-25	18:45	1	298.80	4.761905
## 916	10.6470	2019-02-02	12:40	1	212.94	4.761905
## 917	2.1425	2019-03-14	15:36	2	42.85	4.761905
## 918	18.9340	2019-03-11	12:04	1	378.68	4.761905
## 919	10.3455	2019-02-22	11:26	3	206.91	4.761905
## 920	3.9390	2019-03-02	12:36	3	78.78	4.761905
## 921	16.1055	2019-03-10	15:06	2	322.11	4.761905
## 922	4.9110	2019-02-08	10:58	1	98.22	4.761905
## 923	1.2730	2019-02-22	12:10	2	25.46	4.761905
## 924	29.0990	2019-01-10	10:31	2	581.98	4.761905
## 925	10.5660	2019-03-14	13:49	3	211.32	4.761905
## 926	2.7560	2019-01-10	11:10	3	55.12	4.761905
## 927	4.4155	2019-02-15	17:38	2	88.31	4.761905
## 928	17.8290	2019-01-13	17:54	2	356.58	4.761905
## 929	39.7125	2019-02-15	20:51	2	794.25	4.761905
## 930	2.5310	2019-03-02	19:26	3	50.62	4.761905
## 931	29.9760	2019-03-24	13:33	3	599.52	4.761905
## 932	8.3350	2019-02-02	14:05	2	166.70	4.761905
## 933	37.2200	2019-02-27	11:40	3	744.40	4.761905
## 934	22.4280	2019-01-20	12:27	3	448.56	4.761905
## 935	18.9450	2019-01-03	20:24	3	378.90	4.761905

## 936	12.8580	2019-01-24	20:59	3	257.16	4.761905
## 937	27.6115	2019-01-05	19:48	3	552.23	4.761905
## 938	22.3700	2019-03-30	10:18	1	447.40	4.761905
## 939	13.8135	2019-02-17	16:27	1	276.27	4.761905
## 940	17.1870	2019-03-21	17:04	3	343.74	4.761905
## 941	13.3040	2019-03-02	18:14	3	266.08	4.761905
## 942	44.9190	2019-03-27	10:43	1	898.38	4.761905
## 943	22.8400	2019-01-19	19:30	3	456.80	4.761905
## 944	12.6975	2019-02-19	14:53	2	253.95	4.761905
## 945	3.5280	2019-03-28	20:14	1	70.56	4.761905
## 946	32.8580	2019-01-05	11:51	2	657.16	4.761905
## 947	8.4250	2019-03-26	14:13	2	168.50	4.761905
## 948	2.6890	2019-02-03	20:13	3	53.78	4.761905
## 949	8.9525	2019-02-06	18:44	3	179.05	4.761905
## 950	10.5720	2019-02-24	14:26	3	211.44	4.761905
## 951	5.9865	2019-02-21	12:40	3	119.73	4.761905
## 952	3.2850	2019-01-09	18:43	3	65.70	4.761905
## 953	12.5700	2019-02-25	13:22	3	251.40	4.761905
## 954	4.2080	2019-01-13	13:58	1	84.16	4.761905
## 955	19.7730	2019-02-09	11:45	1	395.46	4.761905
## 956	14.8995	2019-01-06	11:51	1	297.99	4.761905
## 957	22.7205	2019-01-10	17:16	1	454.41	4.761905
## 958	13.8060	2019-02-07	15:55	1	276.12	4.761905
## 959	7.9000	2019-01-09	12:07	1	158.00	4.761905
## 960	44.3970	2019-02-19	15:07	1	887.94	4.761905
## 961	4.5990	2019-03-18	15:29	1	91.98	4.761905
## 962	2.0890	2019-02-05	18:45	1	41.78	4.761905
## 963	0.7750	2019-03-19	15:23	2	15.50	4.761905
## 964	14.5230	2019-03-30	20:37	1	290.46	4.761905
## 965	3.3330	2019-01-26	14:41	2	66.66	4.761905
## 966	3.8270	2019-03-02	18:18	2	76.54	4.761905
## 967	14.9850	2019-03-04	15:27	3	299.70	4.761905
## 968	12.1515	2019-01-13	12:55	2	243.03	4.761905
## 969	2.3700	2019-03-25	18:02	1	47.40	4.761905
## 970	8.6225	2019-03-11	19:44	2	172.45	4.761905
## 971	42.3150	2019-01-01	11:36	2	846.30	4.761905
## 972	12.9185	2019-02-10	13:51	3	258.37	4.761905
## 973	30.4780	2019-01-26	15:17	1	609.56	4.761905
## 974	12.0120	2019-02-11	15:29	1	240.24	4.761905
## 975	8.6130	2019-02-07	17:59	1	172.26	4.761905
## 976	4.9920	2019-03-06	11:55	2	99.84	4.761905
## 977	14.9320	2019-03-04	10:39	1	298.64	4.761905
## 978	7.9800	2019-02-26	15:10	3	159.60	4.761905
## 979	1.2725	2019-03-10	18:10	2	25.45	4.761905
## 980	3.3885	2019-02-04	20:43	2	67.77	4.761905
## 981	11.9180	2019-01-19	12:46	1	238.36	4.761905
## 982	11.6300	2019-01-23	17:44	1	232.60	4.761905
## 983	43.8660	2019-03-14	14:19	3	877.32	4.761905
## 984	34.9860	2019-01-23	10:33	1	699.72	4.761905
## 985	33.7295	2019-01-09	11:40	1	674.59	4.761905
## 986	15.9275	2019-02-07	19:30	3	318.55	4.761905
## 987	1.4760	2019-02-18	14:42	3	29.52	4.761905
## 988	24.8000	2019-01-03	19:08	2	496.00	4.761905
## 989	41.1700	2019-03-29	19:12	3	823.40	4.761905

## 990	30.1480	2019-01-28	15:46	2	602.96	4.761905
## 991	14.1400	2019-03-22	19:06	2	282.80	4.761905
## 992	38.3000	2019-01-24	18:10	3	766.00	4.761905
## 993	5.8030	2019-03-10	20:46	3	116.06	4.761905
## 994	8.7450	2019-02-22	18:35	3	174.90	4.761905
## 995	3.0475	2019-02-18	11:40	3	60.95	4.761905
## 996	2.0175	2019-01-29	13:46	3	40.35	4.761905
## 997	48.6900	2019-03-02	17:16	3	973.80	4.761905
## 998	1.5920	2019-02-09	13:22	1	31.84	4.761905
## 999	3.2910	2019-02-22	15:33	1	65.82	4.761905
## 1000	30.9190	2019-02-18	13:28	1	618.38	4.761905
##	gross.income	Rating	Total	year	month	day
## 1	26.1415	9.1	548.9715	2019	1	5
## 2	3.8200	9.6	80.2200	2019	3	8
## 3	16.2155	7.4	340.5255	2019	3	3
## 4	23.2880	8.4	489.0480	2019	1	27
## 5	30.2085	5.3	634.3785	2019	2	8
## 6	29.8865	4.1	627.6165	2019	3	25
## 7	20.6520	5.8	433.6920	2019	2	25
## 8	36.7800	8.0	772.3800	2019	2	24
## 9	3.6260	7.2	76.1460	2019	1	10
## 10	8.2260	5.9	172.7460	2019	2	20
## 11	2.8960	4.5	60.8160	2019	2	6
## 12	5.1020	6.8	107.1420	2019	3	9
## 13	11.7375	7.1	246.4875	2019	2	12
## 14	21.5950	8.2	453.4950	2019	2	7
## 15	35.6900	5.7	749.4900	2019	3	29
## 16	28.1160	4.5	590.4360	2019	1	15
## 17	24.1255	4.6	506.6355	2019	3	11
## 18	21.7830	6.9	457.4430	2019	1	1
## 19	8.2005	8.6	172.2105	2019	1	21
## 20	4.0300	4.4	84.6300	2019	3	11
## 21	21.5100	4.8	451.7100	2019	2	25
## 22	13.1970	5.1	277.1370	2019	3	5
## 23	3.3200	4.4	69.7200	2019	3	15
## 24	8.6400	9.9	181.4400	2019	2	17
## 25	13.2945	6.0	279.1845	2019	3	2
## 26	21.0360	8.5	441.7560	2019	3	22
## 27	1.6760	6.7	35.1960	2019	2	8
## 28	8.7670	7.7	184.1070	2019	3	10
## 29	22.0900	9.6	463.8900	2019	1	25
## 30	11.2005	7.4	235.2105	2019	3	15
## 31	23.5325	4.8	494.1825	2019	2	25
## 32	35.1315	4.5	737.7615	2019	1	28
## 33	33.5120	5.1	703.7520	2019	1	10
## 34	9.6580	5.1	202.8180	2019	3	15
## 35	19.8840	7.5	417.5640	2019	2	6
## 36	3.4060	6.8	71.5260	2019	1	7
## 37	15.6550	7.0	328.7550	2019	3	10
## 38	27.3960	4.7	575.3160	2019	1	15
## 39	21.9680	7.6	461.3280	2019	3	23
## 40	12.0480	7.7	253.0080	2019	3	3
## 41	4.3360	7.9	91.0560	2019	1	17
## 42	5.6110	6.3	117.8310	2019	2	2

## 43	20.7360	5.6	435.4560	2019	2	8
## 44	39.4800	7.6	829.0800	2019	3	4
## 45	1.5370	7.2	32.2770	2019	3	16
## 46	18.7920	9.5	394.6320	2019	3	9
## 47	25.5105	8.4	535.7205	2019	2	27
## 48	9.0045	4.1	189.0945	2019	2	6
## 49	5.6790	8.1	119.2590	2019	2	10
## 50	41.3150	7.9	867.6150	2019	3	19
## 51	31.9900	9.5	671.7900	2019	2	3
## 52	11.1475	8.5	234.0975	2019	2	10
## 53	3.5740	6.5	75.0540	2019	3	22
## 54	0.7715	6.1	16.2015	2019	1	25
## 55	1.6160	6.5	33.9360	2019	3	7
## 56	34.3920	8.2	722.2320	2019	2	28
## 57	4.4340	5.8	93.1140	2019	3	27
## 58	35.8400	6.6	752.6400	2019	2	7
## 59	36.1750	5.4	759.6750	2019	1	20
## 60	9.1830	9.3	192.8430	2019	3	12
## 61	3.7110	10.0	77.9310	2019	2	15
## 62	16.7190	7.0	351.0990	2019	2	24
## 63	24.7815	10.0	520.4115	2019	2	3
## 64	7.9050	8.6	166.0050	2019	3	6
## 65	15.1480	7.6	318.1080	2019	2	14
## 66	7.9350	5.8	166.6350	2019	3	13
## 67	3.3470	6.7	70.2870	2019	2	10
## 68	29.2830	9.9	614.9430	2019	1	7
## 69	39.3850	6.4	827.0850	2019	1	24
## 70	0.9165	4.3	19.2465	2019	2	2
## 71	44.7400	9.6	939.5400	2019	1	6
## 72	31.0600	5.9	652.2600	2019	2	11
## 73	7.2780	4.0	152.8380	2019	3	5
## 74	22.7730	8.7	478.2330	2019	3	9
## 75	33.6015	9.4	705.6315	2019	1	22
## 76	20.8250	5.4	437.3250	2019	1	13
## 77	22.0680	8.6	463.4280	2019	1	9
## 78	9.0045	5.7	189.0945	2019	1	12
## 79	39.1550	6.6	822.2550	2019	3	5
## 80	5.0950	6.0	106.9950	2019	1	22
## 81	29.7570	5.5	624.8970	2019	1	21
## 82	14.5020	6.4	304.5420	2019	1	26
## 83	7.7000	6.6	161.7000	2019	1	23
## 84	16.0720	8.3	337.5120	2019	2	23
## 85	12.2275	6.6	256.7775	2019	3	9
## 86	29.0710	4.0	610.4910	2019	3	5
## 87	19.1300	9.9	401.7300	2019	3	25
## 88	17.2830	7.3	362.9430	2019	3	27
## 89	2.1235	5.7	44.5935	2019	1	2
## 90	23.0970	6.1	485.0370	2019	2	27
## 91	9.4760	7.1	198.9960	2019	1	23
## 92	22.4300	8.2	471.0300	2019	1	26
## 93	7.6930	5.1	161.5530	2019	1	10
## 94	28.9620	8.6	608.2020	2019	3	12
## 95	4.4875	6.6	94.2375	2019	2	6
## 96	4.8580	7.2	102.0180	2019	3	8

## 97	43.9350	5.1	922.6350	2019	3	29
## 98	3.7350	4.1	78.4350	2019	2	9
## 99	7.9125	9.3	166.1625	2019	3	23
## 100	24.8100	7.4	521.0100	2019	3	5
## 101	2.4355	4.1	51.1455	2019	3	26
## 102	35.3475	7.2	742.2975	2019	3	1
## 103	10.3815	4.9	218.0115	2019	2	1
## 104	17.4780	9.9	367.0380	2019	3	28
## 105	10.6225	8.0	223.0725	2019	3	19
## 106	44.3350	7.3	931.0350	2019	1	12
## 107	8.2140	7.9	172.4940	2019	1	5
## 108	18.6390	7.4	391.4190	2019	3	22
## 109	15.2910	4.2	321.1110	2019	3	24
## 110	40.9850	9.2	860.6850	2019	3	3
## 111	1.6490	4.6	34.6290	2019	2	5
## 112	14.7315	7.8	309.3615	2019	2	5
## 113	25.4940	8.4	535.3740	2019	2	15
## 114	26.1315	4.3	548.7615	2019	1	19
## 115	36.3555	9.5	763.4655	2019	2	1
## 116	4.0530	7.1	85.1130	2019	3	2
## 117	5.4850	5.3	115.1850	2019	3	5
## 118	2.5680	5.2	53.9280	2019	1	16
## 119	5.4800	6.0	115.0800	2019	2	2
## 120	5.3440	4.1	112.2240	2019	1	20
## 121	39.8240	5.2	836.3040	2019	2	14
## 122	19.9920	6.5	419.8320	2019	1	12
## 123	44.9820	4.2	944.6220	2019	3	9
## 124	25.5640	4.6	536.8440	2019	3	13
## 125	22.5880	7.3	474.3480	2019	3	9
## 126	32.7915	4.5	688.6215	2019	3	10
## 127	8.0625	9.0	169.3125	2019	1	27
## 128	14.2785	5.9	299.8485	2019	1	8
## 129	27.4160	8.5	575.7360	2019	1	8
## 130	40.6260	7.2	853.1460	2019	2	8
## 131	13.8670	7.5	291.2070	2019	1	25
## 132	27.6390	8.3	580.4190	2019	3	6
## 133	6.9680	7.4	146.3280	2019	2	10
## 134	26.2350	8.8	550.9350	2019	2	17
## 135	24.3900	5.3	512.1900	2019	3	8
## 136	13.5330	6.2	284.1930	2019	2	18
## 137	6.5775	8.8	138.1275	2019	1	18
## 138	10.3260	9.8	216.8460	2019	2	18
## 139	25.9550	8.2	545.0550	2019	2	16
## 140	29.0000	9.2	609.0000	2019	3	16
## 141	44.9000	5.4	942.9000	2019	1	23
## 142	45.2500	8.1	950.2500	2019	1	25
## 143	34.3000	9.1	720.3000	2019	2	5
## 144	1.5205	8.4	31.9305	2019	2	22
## 145	23.3850	8.0	491.0850	2019	1	21
## 146	13.8780	9.5	291.4380	2019	3	8
## 147	15.0700	9.2	316.4700	2019	2	10
## 148	13.2280	5.6	277.7880	2019	3	19
## 149	28.7440	6.2	603.6240	2019	3	6
## 150	12.9840	4.9	272.6640	2019	3	27

## 151	18.3080	4.8	384.4680	2019	3	23
## 152	12.0960	7.3	254.0160	2019	3	11
## 153	37.4580	7.4	786.6180	2019	1	29
## 154	4.9440	9.9	103.8240	2019	2	7
## 155	32.3880	9.3	680.1480	2019	1	28
## 156	23.0725	9.0	484.5225	2019	2	20
## 157	3.6085	6.1	75.7785	2019	1	4
## 158	12.5700	9.7	263.9700	2019	3	7
## 159	43.7490	6.0	918.7290	2019	3	30
## 160	28.0170	10.0	588.3570	2019	3	27
## 161	17.2720	8.3	362.7120	2019	1	19
## 162	3.1845	6.0	66.8745	2019	2	25
## 163	16.0265	7.0	336.5565	2019	3	13
## 164	7.6400	6.5	160.4400	2019	1	30
## 165	19.9500	5.9	418.9500	2019	2	20
## 166	17.0280	5.6	357.5880	2019	2	25
## 167	47.7900	4.8	1003.5900	2019	1	16
## 168	49.4900	8.7	1039.2900	2019	2	8
## 169	15.3840	6.5	323.0640	2019	1	19
## 170	24.3320	8.5	510.9720	2019	2	1
## 171	17.5025	5.5	367.5525	2019	1	3
## 172	20.0125	9.4	420.2625	2019	1	26
## 173	8.3400	6.3	175.1400	2019	3	3
## 174	15.8670	9.8	333.2070	2019	1	19
## 175	7.9160	8.7	166.2360	2019	1	18
## 176	15.2280	8.8	319.7880	2019	3	21
## 177	8.8680	9.6	186.2280	2019	3	3
## 178	7.8785	4.8	165.4485	2019	2	13
## 179	22.1640	4.4	465.4440	2019	3	23
## 180	13.0200	9.9	273.4200	2019	1	28
## 181	22.4910	5.7	472.3110	2019	2	9
## 182	15.3880	7.7	323.1480	2019	1	23
## 183	7.7500	8.0	162.7500	2019	3	23
## 184	13.7240	5.7	288.2040	2019	1	25
## 185	4.3190	6.7	90.6990	2019	3	4
## 186	2.7120	8.0	56.9520	2019	3	5
## 187	37.7960	7.5	793.7160	2019	3	3
## 188	9.2940	7.0	195.1740	2019	2	8
## 189	3.7035	9.9	77.7735	2019	2	10
## 190	13.9620	5.9	293.2020	2019	1	28
## 191	11.5560	7.2	242.6760	2019	2	11
## 192	7.3520	4.6	154.3920	2019	1	15
## 193	39.5100	9.2	829.7100	2019	3	16
## 194	5.1100	5.7	107.3100	2019	1	26
## 195	8.1775	9.9	171.7275	2019	3	19
## 196	3.7145	5.0	78.0045	2019	1	13
## 197	4.3700	4.9	91.7700	2019	3	26
## 198	1.2645	6.1	26.5545	2019	3	23
## 199	8.3000	8.2	174.3000	2019	3	12
## 200	17.8475	5.5	374.7975	2019	2	17
## 201	5.7450	6.8	120.6450	2019	1	29
## 202	11.4980	6.6	241.4580	2019	3	15
## 203	21.4935	9.8	451.3635	2019	1	14
## 204	12.9500	8.7	271.9500	2019	2	6

## 205	4.4425	5.4	93.2925	2019	2	15
## 206	10.3635	7.9	217.6335	2019	1	3
## 207	29.9925	9.7	629.8425	2019	1	4
## 208	14.2650	7.8	299.5650	2019	3	18
## 209	4.5555	5.1	95.6655	2019	3	28
## 210	44.8785	6.5	942.4485	2019	3	2
## 211	11.8035	5.9	247.8735	2019	1	25
## 212	41.9670	8.8	881.3070	2019	1	16
## 213	23.0900	4.9	484.8900	2019	3	20
## 214	6.9630	4.4	146.2230	2019	1	4
## 215	10.3635	6.5	217.6335	2019	3	11
## 216	0.9140	8.3	19.1940	2019	3	22
## 217	6.1925	8.5	130.0425	2019	3	24
## 218	14.1960	5.5	298.1160	2019	2	21
## 219	37.9480	8.7	796.9080	2019	2	12
## 220	8.6010	7.9	180.6210	2019	3	10
## 221	13.6050	6.1	285.7050	2019	1	31
## 222	21.7280	5.4	456.2880	2019	3	6
## 223	2.9525	9.4	62.0025	2019	2	17
## 224	0.6270	8.2	13.1670	2019	2	21
## 225	4.3250	6.2	90.8250	2019	3	20
## 226	8.7160	9.7	183.0360	2019	1	11
## 227	31.2165	4.0	655.5465	2019	1	26
## 228	7.4120	9.7	155.6520	2019	1	31
## 229	27.2100	5.3	571.4100	2019	2	26
## 230	25.3680	7.4	532.7280	2019	3	11
## 231	8.1370	6.5	170.8770	2019	1	26
## 232	1.5885	8.7	33.3585	2019	3	12
## 233	37.8405	8.0	794.6505	2019	2	11
## 234	14.7640	6.7	310.0440	2019	2	21
## 235	25.9700	6.5	545.3700	2019	3	9
## 236	9.3140	4.1	195.5940	2019	1	20
## 237	4.3525	4.9	91.4025	2019	1	28
## 238	11.0550	8.6	232.1550	2019	3	5
## 239	3.3050	4.3	69.4050	2019	3	2
## 240	4.4845	4.9	94.1745	2019	1	11
## 241	11.2230	5.6	235.6830	2019	1	11
## 242	5.9770	5.8	125.5170	2019	3	11
## 243	9.3200	6.0	195.7200	2019	2	28
## 244	12.5300	4.2	263.1300	2019	1	5
## 245	37.5480	8.3	788.5080	2019	2	2
## 246	19.0360	5.7	399.7560	2019	1	1
## 247	12.2100	4.8	256.4100	2019	2	9
## 248	4.4850	6.8	94.1850	2019	1	23
## 249	15.5440	8.8	326.4240	2019	1	7
## 250	25.5710	4.2	536.9910	2019	1	14
## 251	20.9475	6.4	439.8975	2019	2	2
## 252	17.5950	8.4	369.4950	2019	3	17
## 253	1.4390	7.2	30.2190	2019	3	2
## 254	4.7500	5.2	99.7500	2019	3	16
## 255	23.5600	8.9	494.7600	2019	1	6
## 256	6.5240	9.0	137.0040	2019	1	29
## 257	3.3175	9.7	69.6675	2019	1	31
## 258	7.7730	8.7	163.2330	2019	2	5

## 259	6.4500	6.5	135.4500	2019	2	13
## 260	13.1880	6.9	276.9480	2019	2	7
## 261	33.7770	6.2	709.3170	2019	3	19
## 262	3.2900	5.6	69.0900	2019	3	7
## 263	7.6600	5.7	160.8600	2019	3	13
## 264	11.1200	4.2	233.5200	2019	2	9
## 265	2.7225	7.9	57.1725	2019	2	26
## 266	34.4400	8.7	723.2400	2019	3	12
## 267	7.0940	6.9	148.9740	2019	3	14
## 268	37.3000	9.5	783.3000	2019	1	8
## 269	14.1480	4.4	297.1080	2019	1	5
## 270	17.7700	7.0	373.1700	2019	1	4
## 271	16.8575	6.3	354.0075	2019	3	6
## 272	2.1120	9.7	44.3520	2019	1	3
## 273	9.6930	8.8	203.5530	2019	1	7
## 274	1.2030	5.1	25.2630	2019	1	27
## 275	29.9130	7.9	628.1730	2019	2	26
## 276	16.7895	6.2	352.5795	2019	1	7
## 277	10.9100	7.1	229.1100	2019	1	7
## 278	19.0840	6.4	400.7640	2019	2	2
## 279	35.4950	5.7	745.3950	2019	3	20
## 280	22.0100	9.6	462.2100	2019	3	20
## 281	27.9840	6.4	587.6640	2019	2	15
## 282	1.8500	7.9	38.8500	2019	3	6
## 283	0.7670	6.5	16.1070	2019	1	6
## 284	29.9490	8.5	628.9290	2019	3	4
## 285	9.5340	9.1	200.2140	2019	3	12
## 286	16.6700	7.6	350.0700	2019	2	20
## 287	3.7430	6.9	78.6030	2019	3	24
## 288	10.6875	9.5	224.4375	2019	1	31
## 289	16.9785	5.2	356.5485	2019	1	25
## 290	33.2080	4.2	697.3680	2019	2	3
## 291	20.1500	7.0	423.1500	2019	1	24
## 292	9.7475	6.0	204.6975	2019	3	14
## 293	3.1240	4.7	65.6040	2019	2	18
## 294	3.6360	7.1	76.3560	2019	1	21
## 295	9.0550	5.9	190.1550	2019	3	13
## 296	12.9800	7.5	272.5800	2019	3	3
## 297	5.7680	6.4	121.1280	2019	3	29
## 298	23.5140	5.8	493.7940	2019	1	10
## 299	12.0020	4.5	252.0420	2019	1	25
## 300	4.4305	7.7	93.0405	2019	1	19
## 301	9.9820	6.7	209.6220	2019	1	2
## 302	1.9505	4.7	40.9605	2019	3	12
## 303	2.4305	4.4	51.0405	2019	2	25
## 304	10.2380	4.7	214.9980	2019	3	18
## 305	5.9840	8.6	125.6640	2019	2	23
## 306	25.2700	4.3	530.6700	2019	3	26
## 307	14.0805	9.6	295.6905	2019	3	30
## 308	35.5160	4.1	745.8360	2019	2	17
## 309	3.9720	4.7	83.4120	2019	3	21
## 310	8.1910	7.8	172.0110	2019	3	5
## 311	23.9790	5.5	503.5590	2019	1	31
## 312	6.9330	9.7	145.5930	2019	2	5

## 313	3.5575	4.4	74.7075	2019	2	1
## 314	6.9975	5.0	146.9475	2019	3	7
## 315	39.0650	4.4	820.3650	2019	2	10
## 316	9.9370	5.2	208.6770	2019	2	14
## 317	3.1620	7.3	66.4020	2019	2	9
## 318	18.6975	4.9	392.6475	2019	1	10
## 319	10.3845	8.1	218.0745	2019	3	11
## 320	8.8140	8.4	185.0940	2019	2	18
## 321	10.3185	5.5	216.6885	2019	2	26
## 322	1.9710	8.4	41.3910	2019	1	18
## 323	4.5780	9.8	96.1380	2019	2	15
## 324	15.4425	6.7	324.2925	2019	3	8
## 325	6.4560	9.4	135.5760	2019	1	17
## 326	19.5480	6.4	410.5080	2019	3	12
## 327	24.9450	5.4	523.8450	2019	3	9
## 328	18.8520	8.6	395.8920	2019	3	12
## 329	10.2260	4.0	214.7460	2019	1	25
## 330	7.2720	7.6	152.7120	2019	3	25
## 331	9.9090	6.8	208.0890	2019	2	7
## 332	4.9350	9.1	103.6350	2019	2	17
## 333	19.2550	5.5	404.3550	2019	2	3
## 334	2.3480	7.9	49.3080	2019	3	14
## 335	3.6750	8.5	77.1750	2019	3	24
## 336	7.1125	9.1	149.3625	2019	3	21
## 337	34.3800	7.5	721.9800	2019	3	19
## 338	17.3850	5.2	365.0850	2019	2	24
## 339	7.1475	9.5	150.0975	2019	3	28
## 340	19.2690	8.9	404.6490	2019	2	5
## 341	7.2135	7.8	151.4835	2019	2	10
## 342	19.5895	8.9	411.3795	2019	3	5
## 343	26.9150	7.7	565.2150	2019	2	15
## 344	24.2575	9.3	509.4075	2019	1	30
## 345	6.6975	6.2	140.6475	2019	2	14
## 346	35.0685	7.6	736.4385	2019	2	27
## 347	3.5975	7.3	75.5475	2019	2	4
## 348	35.7000	4.7	749.7000	2019	1	20
## 349	9.1070	5.1	191.2470	2019	3	28
## 350	6.7500	4.8	141.7500	2019	2	27
## 351	49.6500	6.6	1042.6500	2019	2	15
## 352	18.0915	5.5	379.9215	2019	1	26
## 353	19.1555	8.5	402.2655	2019	3	14
## 354	12.1500	4.8	255.1500	2019	3	2
## 355	1.5120	8.4	31.7520	2019	3	4
## 356	17.8280	7.8	374.3880	2019	1	7
## 357	18.7750	9.3	394.2750	2019	3	8
## 358	47.7200	5.2	1002.1200	2019	1	9
## 359	4.1250	6.5	86.6250	2019	3	1
## 360	3.7485	5.6	78.7185	2019	3	16
## 361	32.3840	7.4	680.0640	2019	2	17
## 362	37.7880	9.1	793.5480	2019	2	27
## 363	9.9790	8.0	209.5590	2019	3	7
## 364	21.9660	7.2	461.2860	2019	1	21
## 365	8.2480	7.1	173.2080	2019	2	19
## 366	16.3360	9.1	343.0560	2019	1	6

## 367	23.0940	5.6	484.9740	2019	3	14
## 368	13.1880	6.0	276.9480	2019	3	24
## 369	7.1800	5.4	150.7800	2019	1	27
## 370	9.6750	7.8	203.1750	2019	3	6
## 371	9.1910	9.9	193.0110	2019	2	2
## 372	6.0960	4.9	128.0160	2019	1	25
## 373	21.0330	5.2	441.6930	2019	3	14
## 374	12.6240	8.9	265.1040	2019	1	29
## 375	16.7725	9.1	352.2225	2019	1	3
## 376	24.1750	7.0	507.6750	2019	1	14
## 377	15.9210	9.6	334.3410	2019	1	5
## 378	33.4215	8.7	701.8515	2019	2	22
## 379	19.3960	9.4	407.3160	2019	2	6
## 380	4.7300	4.0	99.3300	2019	1	30
## 381	16.4660	7.5	345.7860	2019	1	11
## 382	2.6610	4.2	55.8810	2019	3	19
## 383	24.9225	9.9	523.3725	2019	1	14
## 384	14.9780	4.2	314.5380	2019	3	1
## 385	10.2350	9.9	214.9350	2019	1	6
## 386	3.7910	5.8	79.6110	2019	1	31
## 387	14.0310	6.0	294.6510	2019	3	11
## 388	16.1600	10.0	339.3600	2019	2	20
## 389	24.3315	9.5	510.9615	2019	1	27
## 390	6.3770	6.6	133.9170	2019	3	10
## 391	12.0720	8.1	253.5120	2019	2	15
## 392	18.9750	9.7	398.4750	2019	1	26
## 393	3.8410	7.2	80.6610	2019	2	13
## 394	26.1300	6.2	548.7300	2019	3	9
## 395	3.9870	7.3	83.7270	2019	3	6
## 396	19.3750	4.3	406.8750	2019	1	24
## 397	13.5675	4.6	284.9175	2019	3	13
## 398	6.1155	5.8	128.4255	2019	3	15
## 399	12.3180	8.3	258.6780	2019	3	5
## 400	8.6580	8.0	181.8180	2019	3	4
## 401	11.8290	9.4	248.4090	2019	3	25
## 402	9.2440	6.2	194.1240	2019	3	12
## 403	0.6990	9.8	14.6790	2019	2	4
## 404	9.9375	9.6	208.6875	2019	2	22
## 405	34.2265	4.9	718.7565	2019	2	16
## 406	13.4520	8.0	282.4920	2019	1	19
## 407	3.4475	7.8	72.3975	2019	1	11
## 408	13.7420	4.1	288.5820	2019	1	4
## 409	11.3060	5.5	237.4260	2019	3	4
## 410	5.9550	5.4	125.0550	2019	1	28
## 411	17.1050	5.1	359.2050	2019	1	2
## 412	2.1870	6.9	45.9270	2019	1	25
## 413	5.2425	7.8	110.0925	2019	1	4
## 414	3.8760	6.6	81.3960	2019	3	10
## 415	20.3720	9.2	427.8120	2019	3	22
## 416	4.8055	7.8	100.9155	2019	1	25
## 417	9.0760	8.7	190.5960	2019	1	8
## 418	4.0755	9.2	85.5855	2019	1	22
## 419	5.7220	8.3	120.1620	2019	1	12
## 420	8.8270	8.2	185.3670	2019	2	4

## 421	5.7900	7.5	121.5900	2019	3	28
## 422	12.6075	9.8	264.7575	2019	1	23
## 423	48.6050	8.7	1020.7050	2019	2	8
## 424	10.1680	6.7	213.5280	2019	3	19
## 425	0.8140	5.0	17.0940	2019	3	9
## 426	18.2745	7.0	383.7645	2019	1	2
## 427	18.6095	8.9	390.7995	2019	1	21
## 428	3.1305	8.0	65.7405	2019	3	20
## 429	16.8175	6.9	353.1675	2019	2	27
## 430	45.3250	7.3	951.8250	2019	3	8
## 431	6.9080	6.9	145.0680	2019	1	31
## 432	4.3270	5.7	90.8670	2019	3	8
## 433	7.0380	6.4	147.7980	2019	1	13
## 434	33.4390	9.6	702.2190	2019	3	9
## 435	2.3720	6.8	49.8120	2019	2	22
## 436	44.6580	9.0	937.8180	2019	3	19
## 437	16.5860	9.6	348.3060	2019	1	20
## 438	10.1970	7.7	214.1370	2019	3	8
## 439	3.4080	7.0	71.5680	2019	3	8
## 440	16.3440	6.5	343.2240	2019	2	7
## 441	4.3600	8.1	91.5600	2019	1	15
## 442	35.3720	4.3	742.8120	2019	3	22
## 443	40.1445	6.5	843.0345	2019	1	15
## 444	0.6390	9.5	13.4190	2019	1	8
## 445	6.6850	9.7	140.3850	2019	1	15
## 446	0.9575	9.5	20.1075	2019	1	28
## 447	13.8300	8.9	290.4300	2019	2	14
## 448	6.8610	6.5	144.0810	2019	3	10
## 449	1.3535	5.3	28.4235	2019	1	12
## 450	1.9560	9.6	41.0760	2019	3	26
## 451	22.4130	6.7	470.6730	2019	1	1
## 452	6.6030	7.6	138.6630	2019	1	2
## 453	15.9025	4.8	333.9525	2019	3	16
## 454	1.2500	5.5	26.2500	2019	3	3
## 455	4.1540	4.7	87.2340	2019	1	31
## 456	7.3900	6.9	155.1900	2019	2	13
## 457	34.8300	4.5	731.4300	2019	2	15
## 458	39.6950	6.2	833.5950	2019	2	7
## 459	23.2850	7.6	488.9850	2019	1	27
## 460	1.7945	7.9	37.6845	2019	2	23
## 461	10.1300	4.5	212.7300	2019	2	3
## 462	36.5250	8.7	767.0250	2019	3	3
## 463	14.7900	6.1	310.5900	2019	2	3
## 464	1.1310	6.4	23.7510	2019	3	17
## 465	12.8350	9.1	269.5350	2019	3	28
## 466	27.2750	7.1	572.7750	2019	3	2
## 467	13.0025	7.7	273.0525	2019	2	8
## 468	11.1060	4.5	233.2260	2019	3	22
## 469	1.0790	7.2	22.6590	2019	2	9
## 470	4.9420	8.4	103.7820	2019	2	15
## 471	25.1310	5.4	527.7510	2019	1	23
## 472	8.0100	9.7	168.2100	2019	1	25
## 473	21.5650	5.5	452.8650	2019	2	2
## 474	29.0280	4.6	609.5880	2019	3	30

## 475	16.1100	6.6	338.3100	2019	3	30
## 476	9.7770	6.3	205.3170	2019	2	25
## 477	8.3150	4.2	174.6150	2019	3	18
## 478	16.8140	4.4	353.0940	2019	3	7
## 479	17.1850	6.7	360.8850	2019	3	16
## 480	1.9300	6.7	40.5300	2019	1	29
## 481	26.3880	8.4	554.1480	2019	2	2
## 482	16.4000	6.2	344.4000	2019	2	15
## 483	9.2850	5.0	194.9850	2019	1	8
## 484	30.1900	6.0	633.9900	2019	2	12
## 485	18.4900	7.0	388.2900	2019	1	1
## 486	9.8980	6.6	207.8580	2019	3	21
## 487	20.5450	7.3	431.4450	2019	2	28
## 488	7.4300	8.3	156.0300	2019	3	23
## 489	1.1480	4.3	24.1080	2019	1	30
## 490	34.9560	9.8	734.0760	2019	2	4
## 491	3.4700	8.2	72.8700	2019	3	13
## 492	9.8300	7.2	206.4300	2019	3	15
## 493	10.1280	8.7	212.6880	2019	3	5
## 494	6.0600	8.4	127.2600	2019	3	5
## 495	9.9890	7.1	209.7690	2019	2	26
## 496	30.3680	5.5	637.7280	2019	3	20
## 497	6.3220	8.5	132.7620	2019	1	1
## 498	27.0720	6.2	568.5120	2019	1	27
## 499	4.9065	8.9	103.0365	2019	1	21
## 500	20.6080	9.6	432.7680	2019	2	2
## 501	3.6985	5.4	77.6685	2019	2	3
## 502	1.5950	9.1	33.4950	2019	1	5
## 503	6.9400	9.0	145.7400	2019	1	27
## 504	9.3310	6.3	195.9510	2019	3	25
## 505	4.4225	9.5	92.8725	2019	2	25
## 506	9.6720	9.8	203.1120	2019	1	28
## 507	7.2750	6.7	152.7750	2019	1	8
## 508	25.2150	7.7	529.5150	2019	1	29
## 509	15.3225	7.0	321.7725	2019	3	29
## 510	4.7850	5.1	100.4850	2019	2	9
## 511	31.7590	6.2	666.9390	2019	1	16
## 512	10.7275	6.1	225.2775	2019	1	5
## 513	18.9980	9.3	398.9580	2019	1	27
## 514	34.8425	7.6	731.6925	2019	3	14
## 515	20.4365	8.2	429.1665	2019	2	23
## 516	2.5735	8.5	54.0435	2019	3	18
## 517	13.7150	9.8	288.0150	2019	3	29
## 518	9.8475	8.7	206.7975	2019	1	22
## 519	3.4730	9.7	72.9330	2019	3	1
## 520	17.9800	4.3	377.5800	2019	1	17
## 521	6.8565	7.7	143.9865	2019	3	26
## 522	24.9510	7.3	523.9710	2019	3	20
## 523	11.2320	5.9	235.8720	2019	2	6
## 524	6.2870	5.0	132.0270	2019	1	1
## 525	24.5130	8.0	514.7730	2019	1	27
## 526	22.8525	7.1	479.9025	2019	2	25
## 527	7.8420	9.0	164.6820	2019	1	16
## 528	5.9860	6.7	125.7060	2019	1	13

## 529	27.1800	6.1	570.7800	2019	2	7
## 530	44.1405	9.3	926.9505	2019	2	17
## 531	7.6290	7.0	160.2090	2019	2	12
## 532	34.6720	7.2	728.1120	2019	1	24
## 533	11.4750	8.2	240.9750	2019	2	6
## 534	7.3395	8.4	154.1295	2019	3	26
## 535	7.0800	6.2	148.6800	2019	3	11
## 536	5.8345	7.4	122.5245	2019	2	7
## 537	3.6980	5.0	77.6580	2019	1	5
## 538	4.8970	6.9	102.8370	2019	3	7
## 539	14.6100	4.9	306.8100	2019	2	25
## 540	26.2440	5.1	551.1240	2019	2	1
## 541	4.6020	9.1	96.6420	2019	1	22
## 542	3.7940	7.1	79.6740	2019	1	3
## 543	4.0360	5.0	84.7560	2019	2	13
## 544	5.6310	5.5	118.2510	2019	1	28
## 545	3.5600	9.2	74.7600	2019	1	5
## 546	7.7620	4.9	163.0020	2019	3	19
## 547	14.7100	8.9	308.9100	2019	1	12
## 548	27.4275	6.0	575.9775	2019	1	7
## 549	12.8850	4.2	270.5850	2019	1	26
## 550	19.8180	7.3	416.1780	2019	1	23
## 551	8.5905	6.5	180.4005	2019	2	9
## 552	24.4395	8.9	513.2295	2019	2	22
## 553	26.2080	9.7	550.3680	2019	2	5
## 554	6.6630	8.6	139.9230	2019	3	7
## 555	6.7620	6.9	142.0020	2019	3	25
## 556	5.6220	7.7	118.0620	2019	1	20
## 557	7.2040	9.5	151.2840	2019	2	4
## 558	49.2600	4.5	1034.4600	2019	1	30
## 559	12.4980	5.6	262.4580	2019	1	2
## 560	10.8630	8.2	228.1230	2019	3	29
## 561	9.7110	7.3	203.9310	2019	3	14
## 562	44.6000	4.4	936.6000	2019	2	11
## 563	16.9680	5.7	356.3280	2019	1	30
## 564	22.3530	5.0	469.4130	2019	3	20
## 565	9.9250	9.0	208.4250	2019	3	20
## 566	40.6050	6.3	852.7050	2019	1	17
## 567	24.6650	9.4	517.9650	2019	2	3
## 568	29.5830	7.7	621.2430	2019	1	1
## 569	27.9510	5.5	586.9710	2019	1	10
## 570	25.8930	4.1	543.7530	2019	3	2
## 571	20.5100	7.6	430.7100	2019	2	25
## 572	13.3350	8.6	280.0350	2019	1	29
## 573	3.5455	8.3	74.4555	2019	3	10
## 574	7.2390	8.1	152.0190	2019	1	13
## 575	21.4775	8.6	451.0275	2019	3	22
## 576	28.4585	6.3	597.6285	2019	3	1
## 577	12.0600	5.8	253.2600	2019	2	20
## 578	6.3540	6.2	133.4340	2019	1	14
## 579	12.8540	7.7	269.9340	2019	3	26
## 580	6.9510	8.1	145.9710	2019	3	1
## 581	4.0830	7.3	85.7430	2019	1	7
## 582	15.5360	8.4	326.2560	2019	2	1

## 583	9.2980	8.0	195.2580	2019	2	13
## 584	3.6160	9.5	75.9360	2019	1	14
## 585	9.4590	7.0	198.6390	2019	1	19
## 586	10.3420	9.8	217.1820	2019	3	9
## 587	7.8510	9.2	164.8710	2019	3	27
## 588	10.7650	7.7	226.0650	2019	2	4
## 589	29.8050	5.3	625.9050	2019	3	14
## 590	3.6550	4.4	76.7550	2019	3	4
## 591	13.9590	4.3	293.1390	2019	3	3
## 592	8.4840	9.4	178.1640	2019	1	27
## 593	2.2790	9.8	47.8590	2019	2	7
## 594	11.2800	4.8	236.8800	2019	2	5
## 595	14.5200	5.3	304.9200	2019	3	15
## 596	2.2230	8.7	46.6830	2019	3	1
## 597	7.8300	9.5	164.4300	2019	2	15
## 598	20.9970	5.3	440.9370	2019	2	17
## 599	9.2125	9.2	193.4625	2019	1	26
## 600	7.0320	9.6	147.6720	2019	3	24
## 601	4.1540	6.4	87.2340	2019	1	23
## 602	3.2495	4.5	68.2395	2019	1	26
## 603	38.7800	6.9	814.3800	2019	3	14
## 604	16.3530	7.8	343.4130	2019	3	17
## 605	18.1615	4.5	381.3915	2019	1	8
## 606	6.3500	8.6	133.3500	2019	2	8
## 607	18.7775	5.2	394.3275	2019	2	10
## 608	9.9580	6.4	209.1180	2019	3	28
## 609	1.5305	5.2	32.1405	2019	1	23
## 610	5.7890	8.9	121.5690	2019	1	17
## 611	1.4480	6.2	30.4080	2019	2	7
## 612	44.5365	6.7	935.2665	2019	3	9
## 613	13.9830	7.2	293.6430	2019	1	24
## 614	4.0465	9.0	84.9765	2019	1	19
## 615	33.7250	4.2	708.2250	2019	2	3
## 616	17.4240	4.2	365.9040	2019	3	20
## 617	21.7800	6.9	457.3800	2019	1	13
## 618	21.9775	4.4	461.5275	2019	3	14
## 619	29.5590	4.0	620.7390	2019	1	23
## 620	13.0380	8.5	273.7980	2019	2	7
## 621	10.7520	9.2	225.7920	2019	3	28
## 622	4.5805	9.8	96.1905	2019	3	20
## 623	33.1065	4.9	695.2365	2019	1	17
## 624	41.6250	4.4	874.1250	2019	1	12
## 625	4.5675	6.8	95.9175	2019	2	16
## 626	7.8880	9.1	165.6480	2019	1	26
## 627	6.0870	8.7	127.8270	2019	3	9
## 628	41.2900	5.0	867.0900	2019	3	14
## 629	7.9950	7.5	167.8950	2019	1	25
## 630	0.6045	8.2	12.6945	2019	1	26
## 631	32.0950	6.7	673.9950	2019	1	19
## 632	11.7465	5.4	246.6765	2019	3	5
## 633	8.3770	7.0	175.9170	2019	1	15
## 634	14.9550	4.7	314.0550	2019	3	18
## 635	11.9865	5.0	251.7165	2019	3	20
## 636	33.2350	5.0	697.9350	2019	1	15

## 637	10.1325	6.0	212.7825	2019	3	3
## 638	2.3100	6.3	48.5100	2019	3	19
## 639	4.4075	8.5	92.5575	2019	3	8
## 640	7.8630	7.5	165.1230	2019	2	27
## 641	14.8185	6.4	311.1885	2019	2	23
## 642	35.4200	4.7	743.8200	2019	3	19
## 643	5.5670	6.0	116.9070	2019	3	27
## 644	29.0080	4.0	609.1680	2019	3	30
## 645	3.0125	5.5	63.2625	2019	2	16
## 646	8.7120	8.7	182.9520	2019	1	18
## 647	21.0630	7.4	442.3230	2019	3	30
## 648	1.6815	5.6	35.3115	2019	3	20
## 649	1.5490	6.3	32.5290	2019	1	16
## 650	12.3700	7.1	259.7700	2019	2	24
## 651	18.9150	7.8	397.2150	2019	1	15
## 652	16.7430	9.9	351.6030	2019	1	22
## 653	36.3900	7.3	764.1900	2019	2	3
## 654	16.7940	5.1	352.6740	2019	3	6
## 655	12.0360	9.4	252.7560	2019	2	16
## 656	2.3535	5.8	49.4235	2019	3	14
## 657	4.9845	8.0	104.6745	2019	2	27
## 658	13.2225	7.9	277.6725	2019	1	18
## 659	6.9825	5.9	146.6325	2019	1	29
## 660	2.7725	4.9	58.2225	2019	2	26
## 661	6.4455	9.3	135.3555	2019	2	3
## 662	5.9990	7.9	125.9790	2019	1	16
## 663	17.6250	5.9	370.1250	2019	3	24
## 664	43.5500	9.9	914.5500	2019	2	12
## 665	9.8800	7.7	207.4800	2019	2	21
## 666	9.7260	7.6	204.2460	2019	2	4
## 667	8.6610	7.7	181.8810	2019	2	20
## 668	3.5940	6.4	75.4740	2019	2	23
## 669	14.3130	4.4	300.5730	2019	2	16
## 670	4.0620	4.1	85.3020	2019	1	17
## 671	28.0200	4.4	588.4200	2019	1	14
## 672	9.3400	5.5	196.1400	2019	3	30
## 673	11.0115	4.0	231.2415	2019	3	2
## 674	13.4560	9.3	282.5760	2019	2	15
## 675	22.7400	4.8	477.5400	2019	3	1
## 676	8.3770	4.6	175.9170	2019	2	24
## 677	22.4280	7.3	470.9880	2019	2	19
## 678	14.6940	6.0	308.5740	2019	2	23
## 679	29.4750	8.1	618.9750	2019	2	7
## 680	14.5500	9.4	305.5500	2019	1	11
## 681	1.9740	6.5	41.4540	2019	2	12
## 682	1.7405	7.0	36.5505	2019	1	14
## 683	14.7960	7.1	310.7160	2019	1	9
## 684	2.1480	6.6	45.1080	2019	2	27
## 685	6.9240	4.9	145.4040	2019	1	24
## 686	4.9100	6.4	103.1100	2019	1	8
## 687	6.4830	8.0	136.1430	2019	1	8
## 688	31.7800	4.3	667.3800	2019	1	16
## 689	7.2880	6.1	153.0480	2019	3	13
## 690	10.0650	7.5	211.3650	2019	2	15

## 691	31.5855	6.7	663.2955	2019	1	25
## 692	19.2640	5.2	404.5440	2019	3	12
## 693	24.3150	8.8	510.6150	2019	3	4
## 694	25.6830	9.5	539.3430	2019	2	10
## 695	23.6700	7.6	497.0700	2019	1	16
## 696	21.8425	6.6	458.6925	2019	1	29
## 697	5.4080	6.9	113.5680	2019	1	1
## 698	12.4380	4.3	261.1980	2019	1	6
## 699	31.3110	7.8	657.5310	2019	2	19
## 700	48.7500	8.0	1023.7500	2019	1	12
## 701	24.1640	9.6	507.4440	2019	2	7
## 702	4.8480	4.3	101.8080	2019	3	27
## 703	9.8850	5.0	207.5850	2019	2	27
## 704	36.2115	9.2	760.4415	2019	1	6
## 705	39.7755	6.3	835.2855	2019	3	2
## 706	25.1195	8.9	527.5095	2019	3	29
## 707	8.6000	7.6	180.6000	2019	1	31
## 708	3.4490	4.8	72.4290	2019	1	21
## 709	6.2480	9.1	131.2080	2019	1	20
## 710	3.8550	6.1	80.9550	2019	1	17
## 711	24.1860	9.1	507.9060	2019	2	28
## 712	15.1060	8.3	317.2260	2019	3	19
## 713	34.9335	7.2	733.6035	2019	2	19
## 714	6.2325	6.0	130.8825	2019	2	4
## 715	39.4800	8.5	829.0800	2019	1	31
## 716	8.9200	6.6	187.3200	2019	2	6
## 717	25.0110	4.5	525.2310	2019	3	28
## 718	1.7910	8.1	37.6110	2019	1	19
## 719	6.8070	7.2	142.9470	2019	2	17
## 720	5.2440	6.1	110.1240	2019	1	18
## 721	8.9460	7.1	187.8660	2019	2	2
## 722	40.7835	5.1	856.4535	2019	1	18
## 723	6.6180	7.9	138.9780	2019	3	18
## 724	12.8695	7.4	270.2595	2019	1	11
## 725	4.6680	7.4	98.0280	2019	2	4
## 726	11.4000	6.6	239.4000	2019	2	6
## 727	8.3355	5.9	175.0455	2019	1	8
## 728	34.8700	8.9	732.2700	2019	3	5
## 729	19.4520	6.8	408.4920	2019	3	16
## 730	18.2630	9.3	383.5230	2019	3	9
## 731	4.4640	4.4	93.7440	2019	3	1
## 732	8.4000	4.8	176.4000	2019	2	28
## 733	0.9850	9.5	20.6850	2019	2	8
## 734	26.5580	8.9	557.7180	2019	1	24
## 735	2.6860	6.4	56.4060	2019	3	1
## 736	40.9750	6.0	860.4750	2019	3	10
## 737	28.4200	8.1	596.8200	2019	3	23
## 738	29.3800	9.0	616.9800	2019	1	29
## 739	36.6240	6.0	769.1040	2019	1	12
## 740	42.2820	9.8	887.9220	2019	3	20
## 741	19.4635	8.5	408.7335	2019	3	23
## 742	4.2415	8.8	89.0715	2019	1	14
## 743	7.1630	8.8	150.4230	2019	2	12
## 744	3.7690	9.5	79.1490	2019	2	20

## 745	12.6680	5.6	266.0280	2019	1	2
## 746	1.9210	8.6	40.3410	2019	2	2
## 747	32.6150	5.2	684.9150	2019	1	8
## 748	2.6325	5.8	55.2825	2019	1	30
## 749	5.5305	8.0	116.1405	2019	3	26
## 750	28.4305	9.0	597.0405	2019	1	15
## 751	4.4640	4.1	93.7440	2019	3	14
## 752	6.8200	8.6	143.2200	2019	2	3
## 753	8.7100	7.0	182.9100	2019	2	22
## 754	18.3200	8.4	384.7200	2019	1	24
## 755	12.7305	7.4	267.3405	2019	1	25
## 756	38.9160	6.2	817.2360	2019	3	9
## 757	14.2960	4.9	300.2160	2019	2	17
## 758	28.9560	4.5	608.0760	2019	1	11
## 759	9.4250	5.6	197.9250	2019	2	27
## 760	11.0780	8.0	232.6380	2019	3	25
## 761	38.6000	5.6	810.6000	2019	2	11
## 762	36.0650	4.2	757.3650	2019	1	31
## 763	25.5520	9.9	536.5920	2019	1	20
## 764	2.6725	7.6	56.1225	2019	3	26
## 765	11.1000	6.6	233.1000	2019	1	20
## 766	38.1840	4.7	801.8640	2019	3	5
## 767	11.4090	9.8	239.5890	2019	1	5
## 768	4.1070	6.3	86.2470	2019	2	13
## 769	19.1280	7.9	401.6880	2019	3	16
## 770	3.4290	7.7	72.0090	2019	1	15
## 771	19.1080	4.5	401.2680	2019	2	26
## 772	30.0545	8.0	631.1445	2019	2	27
## 773	23.7965	5.7	499.7265	2019	2	17
## 774	2.6210	6.3	55.0410	2019	2	6
## 775	6.5650	6.0	137.8650	2019	1	17
## 776	7.2150	8.0	151.5150	2019	1	22
## 777	22.8585	4.2	480.0285	2019	3	5
## 778	4.6690	9.6	98.0490	2019	1	3
## 779	6.3125	6.1	132.5625	2019	3	20
## 780	39.5415	5.6	830.3715	2019	1	31
## 781	8.7200	8.3	183.1200	2019	2	19
## 782	18.9520	7.8	397.9920	2019	2	11
## 783	1.5310	4.1	32.1510	2019	2	5
## 784	17.6040	8.8	369.6840	2019	3	3
## 785	2.5400	4.1	53.3400	2019	2	24
## 786	26.1030	9.0	548.1630	2019	2	4
## 787	28.7560	5.5	603.8760	2019	2	19
## 788	2.7475	9.3	57.6975	2019	1	23
## 789	9.0705	5.6	190.4805	2019	1	14
## 790	20.6185	9.7	432.9885	2019	1	17
## 791	2.3205	4.0	48.7305	2019	3	3
## 792	13.7100	9.2	287.9100	2019	2	15
## 793	48.6850	4.9	1022.3850	2019	1	15
## 794	32.4100	9.3	680.6100	2019	2	27
## 795	4.6610	6.6	97.8810	2019	2	26
## 796	2.7180	4.3	57.0780	2019	3	15
## 797	3.0435	5.5	63.9135	2019	1	24
## 798	12.2450	8.1	257.1450	2019	2	22

## 799	4.6390	9.8	97.4190	2019	3	15
## 800	21.6725	9.4	455.1225	2019	2	11
## 801	6.9030	7.9	144.9630	2019	1	12
## 802	12.0800	5.1	253.6800	2019	3	3
## 803	23.5865	6.9	495.3165	2019	3	23
## 804	22.0320	8.0	462.6720	2019	3	4
## 805	34.0155	8.0	714.3255	2019	2	23
## 806	15.4940	4.2	325.3740	2019	3	17
## 807	9.3180	8.5	195.6780	2019	1	16
## 808	10.0460	9.0	210.9660	2019	1	8
## 809	0.8875	8.6	18.6375	2019	1	14
## 810	31.0900	6.0	652.8900	2019	1	31
## 811	4.3000	6.2	90.3000	2019	3	15
## 812	20.1300	5.0	422.7300	2019	2	24
## 813	16.2425	6.5	341.0925	2019	2	8
## 814	4.7575	6.0	99.9075	2019	3	22
## 815	19.4480	5.0	408.4080	2019	1	24
## 816	21.2840	5.0	446.9640	2019	3	14
## 817	15.9040	9.2	333.9840	2019	1	23
## 818	13.5520	9.6	284.5920	2019	1	19
## 819	19.2320	8.4	403.8720	2019	1	27
## 820	11.7900	6.0	247.5900	2019	2	3
## 821	10.5780	6.7	222.1380	2019	3	25
## 822	4.7680	4.1	100.1280	2019	2	24
## 823	0.5085	5.9	10.6785	2019	2	7
## 824	10.3065	8.7	216.4365	2019	3	4
## 825	21.0280	4.5	441.5880	2019	2	14
## 826	4.4020	6.6	92.4420	2019	1	29
## 827	32.4495	7.7	681.4395	2019	1	28
## 828	6.1920	8.5	130.0320	2019	3	26
## 829	32.4750	5.2	681.9750	2019	3	24
## 830	37.1100	4.3	779.3100	2019	1	1
## 831	4.2240	7.6	88.7040	2019	1	24
## 832	12.5140	9.5	262.7940	2019	2	25
## 833	4.7400	4.1	99.5400	2019	1	9
## 834	4.5650	9.2	95.8650	2019	2	14
## 835	14.2555	5.4	299.3655	2019	3	12
## 836	2.6190	5.8	54.9990	2019	3	26
## 837	9.6350	5.6	202.3350	2019	1	9
## 838	13.3890	5.1	281.1690	2019	1	2
## 839	27.9350	5.8	586.6350	2019	1	15
## 840	8.7660	5.0	184.0860	2019	1	1
## 841	7.7910	7.9	163.6110	2019	2	15
## 842	3.0150	6.0	63.3150	2019	2	28
## 843	3.9470	5.0	82.8870	2019	3	2
## 844	1.4870	8.9	31.2270	2019	2	13
## 845	1.0660	5.9	22.3860	2019	1	26
## 846	14.0670	5.9	295.4070	2019	1	30
## 847	3.6630	9.7	76.9230	2019	1	27
## 848	1.1190	8.6	23.4990	2019	1	30
## 849	32.7960	4.0	688.7160	2019	1	8
## 850	29.7300	4.2	624.3300	2019	1	19
## 851	3.7050	9.2	77.8050	2019	1	25
## 852	9.8480	9.2	206.8080	2019	2	19

## 853	18.6165	5.0	390.9465	2019	1	14
## 854	26.3950	10.0	554.2950	2019	2	25
## 855	23.9875	8.8	503.7375	2019	1	23
## 856	16.4295	4.2	345.0195	2019	2	16
## 857	8.4480	6.3	177.4080	2019	1	1
## 858	5.6620	8.2	118.9020	2019	3	7
## 859	17.2770	5.1	362.8170	2019	2	15
## 860	21.4335	5.0	450.1035	2019	1	23
## 861	4.3135	7.0	90.5835	2019	2	20
## 862	1.2760	7.8	26.7960	2019	1	8
## 863	5.0760	4.3	106.5960	2019	3	17
## 864	17.8745	7.0	375.3645	2019	1	12
## 865	11.9385	6.6	250.7085	2019	1	8
## 866	5.0715	7.3	106.5015	2019	1	26
## 867	36.2120	6.5	760.4520	2019	3	15
## 868	6.2820	4.9	131.9220	2019	1	17
## 869	3.6465	4.3	76.5765	2019	1	8
## 870	12.9180	9.3	271.2780	2019	1	6
## 871	8.6870	7.1	182.4270	2019	2	16
## 872	2.8250	9.6	59.3250	2019	3	13
## 873	10.7150	6.2	225.0150	2019	1	28
## 874	26.7180	9.9	561.0780	2019	1	18
## 875	4.6580	5.9	97.8180	2019	3	19
## 876	26.1040	6.3	548.1840	2019	3	15
## 877	2.6175	4.0	54.9675	2019	2	12
## 878	1.9875	6.1	41.7375	2019	2	25
## 879	36.0080	4.5	756.1680	2019	3	21
## 880	4.8400	8.6	101.6400	2019	1	19
## 881	16.6050	6.0	348.7050	2019	1	8
## 882	4.0720	9.5	85.5120	2019	3	30
## 883	15.9950	9.9	335.8950	2019	2	20
## 884	10.3260	7.5	216.8460	2019	3	30
## 885	8.3340	7.6	175.0140	2019	3	19
## 886	15.9530	5.0	335.0130	2019	1	13
## 887	4.3950	6.7	92.2950	2019	2	5
## 888	36.7350	9.5	771.4350	2019	3	23
## 889	4.8760	6.8	102.3960	2019	3	13
## 890	38.4600	5.6	807.6600	2019	3	17
## 891	20.9150	7.2	439.2150	2019	2	21
## 892	23.1640	8.1	486.4440	2019	2	7
## 893	23.1225	8.6	485.5725	2019	3	2
## 894	7.0950	9.4	148.9950	2019	3	6
## 895	15.1350	8.9	317.8350	2019	2	6
## 896	39.6640	4.2	832.9440	2019	1	28
## 897	21.2590	5.0	446.4390	2019	1	18
## 898	14.1810	8.8	297.8010	2019	2	5
## 899	29.9600	5.3	629.1600	2019	3	2
## 900	15.7680	4.6	331.1280	2019	2	9
## 901	20.1780	7.5	423.7380	2019	1	14
## 902	9.1940	5.1	193.0740	2019	2	9
## 903	6.9325	4.2	145.5825	2019	3	26
## 904	4.0355	8.1	84.7455	2019	1	28
## 905	5.8320	6.0	122.4720	2019	2	14
## 906	15.6760	7.9	329.1960	2019	3	24

## 907	42.3050	8.8	888.4050	2019	2	9
## 908	20.7200	6.6	435.1200	2019	3	24
## 909	7.9540	6.2	167.0340	2019	3	27
## 910	24.5050	4.2	514.6050	2019	1	27
## 911	4.3725	7.3	91.8225	2019	3	27
## 912	11.2260	8.6	235.7460	2019	1	19
## 913	37.2480	6.8	782.2080	2019	2	7
## 914	20.5360	7.6	431.2560	2019	1	31
## 915	14.9400	5.8	313.7400	2019	2	25
## 916	10.6470	4.1	223.5870	2019	2	2
## 917	2.1425	9.3	44.9925	2019	3	14
## 918	18.9340	6.8	397.6140	2019	3	11
## 919	10.3455	8.7	217.2555	2019	2	22
## 920	3.9390	6.3	82.7190	2019	3	2
## 921	16.1055	5.1	338.2155	2019	3	10
## 922	4.9110	7.0	103.1310	2019	2	8
## 923	1.2730	5.2	26.7330	2019	2	22
## 924	29.0990	6.6	611.0790	2019	1	10
## 925	10.5660	6.5	221.8860	2019	3	14
## 926	2.7560	9.0	57.8760	2019	1	10
## 927	4.4155	5.2	92.7255	2019	2	15
## 928	17.8290	6.8	374.4090	2019	1	13
## 929	39.7125	7.6	833.9625	2019	2	15
## 930	2.5310	7.2	53.1510	2019	3	2
## 931	29.9760	7.1	629.4960	2019	3	24
## 932	8.3350	9.5	175.0350	2019	2	2
## 933	37.2200	5.1	781.6200	2019	2	27
## 934	22.4280	7.6	470.9880	2019	1	20
## 935	18.9450	9.8	397.8450	2019	1	3
## 936	12.8580	5.1	270.0180	2019	1	24
## 937	27.6115	7.5	579.8415	2019	1	5
## 938	22.3700	7.4	469.7700	2019	3	30
## 939	13.8135	4.2	290.0835	2019	2	17
## 940	17.1870	5.9	360.9270	2019	3	21
## 941	13.3040	6.9	279.3840	2019	3	2
## 942	44.9190	6.6	943.2990	2019	3	27
## 943	22.8400	5.7	479.6400	2019	1	19
## 944	12.6975	5.3	266.6475	2019	2	19
## 945	3.5280	4.2	74.0880	2019	3	28
## 946	32.8580	7.3	690.0180	2019	1	5
## 947	8.4250	5.3	176.9250	2019	3	26
## 948	2.6890	4.7	56.4690	2019	2	3
## 949	8.9525	7.9	188.0025	2019	2	6
## 950	10.5720	8.9	222.0120	2019	2	24
## 951	5.9865	9.3	125.7165	2019	2	21
## 952	3.2850	4.7	68.9850	2019	1	9
## 953	12.5700	8.7	263.9700	2019	2	25
## 954	4.2080	7.6	88.3680	2019	1	13
## 955	19.7730	5.7	415.2330	2019	2	9
## 956	14.8995	6.8	312.8895	2019	1	6
## 957	22.7205	5.4	477.1305	2019	1	10
## 958	13.8060	7.1	289.9260	2019	2	7
## 959	7.9000	7.8	165.9000	2019	1	9
## 960	44.3970	8.4	932.3370	2019	2	19

## 961	4.5990	9.8	96.5790	2019	3	18
## 962	2.0890	9.8	43.8690	2019	2	5
## 963	0.7750	7.4	16.2750	2019	3	19
## 964	14.5230	6.7	304.9830	2019	3	30
## 965	3.3330	6.4	69.9930	2019	1	26
## 966	3.8270	5.8	80.3670	2019	3	2
## 967	14.9850	7.2	314.6850	2019	3	4
## 968	12.1515	9.3	255.1815	2019	1	13
## 969	2.3700	9.5	49.7700	2019	3	25
## 970	8.6225	9.0	181.0725	2019	3	11
## 971	42.3150	9.0	888.6150	2019	1	1
## 972	12.9185	6.7	271.2885	2019	2	10
## 973	30.4780	5.5	640.0380	2019	1	26
## 974	12.0120	5.4	252.2520	2019	2	11
## 975	8.6130	8.2	180.8730	2019	2	7
## 976	4.9920	7.0	104.8320	2019	3	6
## 977	14.9320	8.5	313.5720	2019	3	4
## 978	7.9800	4.9	167.5800	2019	2	26
## 979	1.2725	5.1	26.7225	2019	3	10
## 980	3.3885	6.5	71.1585	2019	2	4
## 981	11.9180	9.8	250.2780	2019	1	19
## 982	11.6300	8.4	244.2300	2019	1	23
## 983	43.8660	7.4	921.1860	2019	3	14
## 984	34.9860	6.1	734.7060	2019	1	23
## 985	33.7295	6.0	708.3195	2019	1	9
## 986	15.9275	8.5	334.4775	2019	2	7
## 987	1.4760	4.3	30.9960	2019	2	18
## 988	24.8000	6.2	520.8000	2019	1	3
## 989	41.1700	4.3	864.5700	2019	3	29
## 990	30.1480	8.4	633.1080	2019	1	28
## 991	14.1400	4.5	296.9400	2019	3	22
## 992	38.3000	6.0	804.3000	2019	1	24
## 993	5.8030	8.8	121.8630	2019	3	10
## 994	8.7450	6.6	183.6450	2019	2	22
## 995	3.0475	5.9	63.9975	2019	2	18
## 996	2.0175	6.2	42.3675	2019	1	29
## 997	48.6900	4.4	1022.4900	2019	3	2
## 998	1.5920	7.7	33.4320	2019	2	9
## 999	3.2910	4.1	69.1110	2019	2	22
## 1000	30.9190	6.6	649.2990	2019	2	18

split time into hours and minutes

```
sales <- sales %>% separate(Time, c("hours", "minutes"), sep = "(?=\d{2}$)")
sales
```

##	Invoice.ID	Branch	Customer.type	Gender	Product.line	Unit.price	Quantity
## 1	750-67-8428	1	1	1	4	74.69	7
## 2	226-31-3081	3	2	1	1	15.28	5
## 3	631-41-3108	1	2	2	5	46.33	7
## 4	123-19-1176	1	1	2	4	58.22	8
## 5	373-73-7910	1	2	2	6	86.31	7
## 6	699-14-3026	3	2	2	1	85.39	7
## 7	355-53-5943	1	1	1	1	68.84	6

## 8	315-22-5665	3	2	1	5	73.56	10
## 9	665-32-9167	1	1	1	4	36.26	2
## 10	692-92-5582	2	1	1	3	54.84	3
## 11	351-62-0822	2	1	1	2	14.48	4
## 12	529-56-3974	2	1	2	1	25.51	4
## 13	365-64-0515	1	2	1	1	46.95	5
## 14	252-56-2699	1	2	2	3	43.19	10
## 15	829-34-3910	1	2	1	4	71.38	10
## 16	299-46-1805	2	1	1	6	93.72	6
## 17	656-95-9349	1	1	1	4	68.93	7
## 18	765-26-6951	1	2	2	6	72.61	6
## 19	329-62-1586	1	2	2	3	54.67	3
## 20	319-50-3348	2	2	1	5	40.30	2
## 21	300-71-4605	3	1	2	1	86.04	5
## 22	371-85-5789	2	2	2	4	87.98	3
## 23	273-16-6619	2	2	2	5	33.20	2
## 24	636-48-8204	1	2	2	1	34.56	5
## 25	549-59-1358	1	1	2	6	88.63	3
## 26	227-03-5010	1	1	1	5	52.59	8
## 27	649-29-6775	2	2	2	2	33.52	1
## 28	189-17-4241	1	2	1	2	87.67	2
## 29	145-94-9061	2	2	1	3	88.36	5
## 30	848-62-7243	1	2	2	4	24.89	9
## 31	871-79-8483	2	2	2	2	94.13	5
## 32	149-71-6266	2	1	2	6	78.07	9
## 33	640-49-2076	2	2	2	6	83.78	8
## 34	595-11-5460	1	2	2	4	96.58	2
## 35	183-56-6882	3	1	1	3	99.42	4
## 36	232-16-2483	3	1	1	6	68.12	1
## 37	129-29-8530	1	1	2	6	62.62	5
## 38	272-65-1806	1	2	1	1	60.88	9
## 39	333-73-7901	3	2	1	4	54.92	8
## 40	777-82-7220	2	1	2	5	30.12	8
## 41	280-35-5823	2	1	1	5	86.72	1
## 42	554-53-8700	3	1	2	5	56.11	2
## 43	354-25-5821	2	1	1	6	69.12	6
## 44	228-96-1411	3	1	1	3	98.70	8
## 45	617-15-4209	3	1	2	4	15.37	2
## 46	132-32-9879	2	1	1	1	93.96	4
## 47	370-41-7321	2	1	2	4	56.69	9
## 48	727-46-3608	2	1	1	3	20.01	9
## 49	669-54-1719	2	1	2	1	18.93	6
## 50	574-22-5561	3	1	1	2	82.63	10
## 51	326-78-5178	3	1	2	3	91.40	7
## 52	162-48-8011	1	1	1	3	44.59	5
## 53	616-24-2851	2	1	1	2	17.87	4
## 54	778-71-5554	3	1	2	2	15.43	1
## 55	242-55-6721	2	2	2	5	16.16	2
## 56	399-46-5918	3	2	1	1	85.98	8
## 57	106-35-6779	1	1	2	5	44.34	2
## 58	635-40-6220	1	2	2	4	89.60	8
## 59	817-48-8732	1	1	1	5	72.35	10
## 60	120-06-4233	3	2	2	1	30.61	6
## 61	285-68-5083	3	1	1	6	24.74	3

## 62	803-83-5989	3	2	2	5	55.73	6
## 63	347-34-2234	2	1	1	6	55.07	9
## 64	199-75-8169	1	1	2	6	15.81	10
## 65	853-23-2453	2	1	2	4	75.74	4
## 66	877-22-3308	1	1	2	4	15.87	10
## 67	838-78-4295	3	2	1	4	33.47	2
## 68	109-28-2512	2	1	1	2	97.61	6
## 69	232-11-3025	1	2	2	6	78.77	10
## 70	382-03-4532	1	1	1	4	18.33	1
## 71	393-65-2792	3	2	2	3	89.48	10
## 72	796-12-2025	3	2	2	2	62.12	10
## 73	510-95-6347	2	1	1	3	48.52	3
## 74	841-35-6630	3	2	1	1	75.91	6
## 75	287-21-9091	1	2	2	5	74.67	9
## 76	732-94-0499	3	2	1	1	41.65	10
## 77	263-10-3913	3	1	2	2	49.04	9
## 78	381-20-0914	1	1	1	2	20.01	9
## 79	829-49-1914	3	1	1	3	78.31	10
## 80	756-01-7507	3	2	1	4	20.38	5
## 81	870-72-4431	3	2	1	4	99.19	6
## 82	847-38-7188	2	2	1	3	96.68	3
## 83	480-63-2856	3	2	2	3	19.25	8
## 84	787-56-0757	3	1	1	3	80.36	4
## 85	360-39-5055	3	1	2	6	48.91	5
## 86	730-50-9884	3	2	1	6	83.06	7
## 87	362-58-8315	3	2	2	2	76.52	5
## 88	633-44-8566	1	1	2	3	49.38	7
## 89	504-35-8843	1	2	2	6	42.47	1
## 90	318-68-5053	2	2	1	4	76.99	6
## 91	565-80-5980	3	1	1	5	47.38	4
## 92	225-32-0908	3	2	1	6	44.86	10
## 93	873-51-0671	1	1	1	6	21.98	7
## 94	152-08-9985	2	1	2	4	64.36	9
## 95	512-91-0811	3	2	2	4	89.75	1
## 96	594-34-4444	1	2	2	1	97.16	1
## 97	766-85-7061	2	2	2	4	87.87	10
## 98	871-39-9221	3	2	1	1	12.45	6
## 99	865-92-6136	1	2	2	3	52.75	3
## 100	733-01-9107	2	2	2	5	82.70	6
## 101	163-56-7055	3	1	2	2	48.71	1
## 102	189-98-2939	3	2	2	2	78.55	9
## 103	551-21-3069	3	2	1	1	23.07	9
## 104	212-62-1842	1	2	2	3	58.26	6
## 105	716-39-1409	2	2	2	4	30.35	7
## 106	704-48-3927	1	1	2	1	88.67	10
## 107	628-34-3388	3	2	2	2	27.38	6
## 108	630-74-5166	1	2	2	6	62.13	6
## 109	588-01-7461	3	2	1	3	33.98	9
## 110	861-77-0145	3	1	2	1	81.97	10
## 111	479-26-8945	2	1	1	6	16.49	2
## 112	210-67-5886	3	1	1	4	98.21	3
## 113	227-78-1148	2	2	1	2	72.84	7
## 114	645-44-1170	1	1	2	5	58.07	9
## 115	237-01-6122	3	1	1	5	80.79	9

## 116	225-98-1496	3	2	1	2	27.02	3
## 117	291-32-1427	2	1	2	2	21.94	5
## 118	659-65-8956	2	1	2	2	51.36	1
## 119	642-32-2990	1	2	1	3	10.96	10
## 120	378-24-2715	2	2	2	5	53.44	2
## 121	638-60-7125	1	2	1	1	99.56	8
## 122	659-36-1684	3	1	2	6	57.12	7
## 123	219-22-9386	2	1	2	6	99.96	9
## 124	336-78-2147	3	1	2	5	63.91	8
## 125	268-27-6179	2	1	1	2	56.47	8
## 126	668-90-8900	1	2	1	5	93.69	7
## 127	870-54-3162	1	2	1	6	32.25	5
## 128	189-08-9157	3	2	1	2	31.73	9
## 129	663-86-9076	3	1	1	3	68.54	8
## 130	549-84-7482	2	2	1	6	90.28	9
## 131	191-10-6171	2	2	1	2	39.62	7
## 132	802-70-5316	1	1	1	6	92.13	6
## 133	695-51-0018	2	2	1	6	34.84	4
## 134	590-83-4591	2	1	2	1	87.45	6
## 135	483-71-1164	3	2	1	4	81.30	6
## 136	597-78-7908	3	2	2	2	90.22	3
## 137	700-81-1757	1	2	1	1	26.31	5
## 138	354-39-5160	1	1	1	5	34.42	6
## 139	241-72-9525	2	2	2	6	51.91	10
## 140	575-30-8091	1	2	2	6	72.50	8
## 141	731-81-9469	3	1	1	6	89.80	10
## 142	280-17-4359	3	1	2	4	90.50	10
## 143	338-65-2210	3	1	1	4	68.60	10
## 144	488-25-4221	3	1	1	3	30.41	1
## 145	239-10-7476	1	2	1	5	77.95	6
## 146	458-41-1477	3	2	1	4	46.26	6
## 147	685-64-1609	1	1	1	2	30.14	10
## 148	568-90-5112	3	2	2	4	66.14	4
## 149	262-47-2794	2	1	2	5	71.86	8
## 150	238-49-0436	1	2	2	4	32.46	8
## 151	608-96-3517	2	1	1	2	91.54	4
## 152	584-86-7256	3	1	2	6	34.56	7
## 153	746-94-0204	1	2	2	2	83.24	9
## 154	214-17-6927	3	2	1	3	16.48	6
## 155	400-89-4171	3	2	1	6	80.97	8
## 156	782-95-9291	1	1	2	3	92.29	5
## 157	279-74-2924	2	1	2	1	72.17	1
## 158	307-85-2293	2	2	2	5	50.28	5
## 159	743-04-1105	2	1	2	4	97.22	9
## 160	423-57-2993	2	2	2	6	93.39	6
## 161	894-41-5205	3	2	1	3	43.18	8
## 162	275-28-0149	1	2	2	6	63.69	1
## 163	101-17-6199	1	2	2	3	45.79	7
## 164	423-80-0988	3	2	2	6	76.40	2
## 165	548-46-9322	2	2	2	3	39.90	10
## 166	505-02-0892	2	1	2	4	42.57	8
## 167	234-65-2137	3	2	2	5	95.58	10
## 168	687-47-8271	1	2	2	2	98.98	10
## 169	796-32-9050	1	2	2	3	51.28	6

## 170	105-31-1824	1	1	2	6	69.52	7
## 171	249-42-3782	1	2	2	4	70.01	5
## 172	316-55-4634	2	1	2	3	80.05	5
## 173	733-33-4967	3	2	2	1	20.85	8
## 174	608-27-6295	2	1	2	1	52.89	6
## 175	414-12-7047	2	2	2	3	19.79	8
## 176	827-26-2100	1	1	2	5	33.84	9
## 177	175-54-2529	1	1	2	3	22.17	8
## 178	139-52-2867	3	2	1	2	22.51	7
## 179	407-63-8975	1	2	2	3	73.88	6
## 180	342-65-4817	3	1	2	4	86.80	3
## 181	130-98-8941	3	2	2	2	64.26	7
## 182	434-83-9547	3	1	2	3	38.47	8
## 183	851-28-6367	1	1	2	6	15.50	10
## 184	824-88-3614	3	2	2	4	34.31	8
## 185	586-25-0848	1	2	1	6	12.34	7
## 186	895-66-0685	2	1	2	3	18.08	3
## 187	305-14-0245	2	1	1	5	94.49	8
## 188	732-04-5373	2	1	2	5	46.47	4
## 189	400-60-7251	1	2	2	5	74.07	1
## 190	593-65-1552	3	2	1	5	69.81	4
## 191	284-34-9626	2	2	1	5	77.04	3
## 192	437-58-8131	2	2	1	2	73.52	2
## 193	286-43-6208	3	2	1	3	87.80	9
## 194	641-43-2399	2	2	2	5	25.55	4
## 195	831-07-6050	1	2	2	1	32.71	5
## 196	556-86-3144	3	1	1	2	74.29	1
## 197	848-24-9445	3	1	2	4	43.70	2
## 198	856-22-8149	1	2	1	5	25.29	1
## 199	699-01-4164	3	2	2	4	41.50	4
## 200	420-11-4919	3	1	1	3	71.39	5
## 201	606-80-4905	3	1	1	6	19.15	6
## 202	542-41-0513	2	1	1	1	57.49	4
## 203	426-39-2418	3	2	2	1	61.41	7
## 204	875-46-5808	2	1	2	4	25.90	10
## 205	394-43-4238	2	1	2	5	17.77	5
## 206	749-24-1565	1	2	1	4	23.03	9
## 207	672-51-8681	3	1	1	1	66.65	9
## 208	263-87-5680	3	1	1	5	28.53	10
## 209	573-58-9734	2	2	1	2	30.37	3
## 210	817-69-8206	2	2	1	1	99.73	9
## 211	888-02-0338	1	2	2	1	26.23	9
## 212	677-11-0152	3	2	1	3	93.26	9
## 213	142-63-6033	2	2	2	5	92.36	5
## 214	656-16-1063	2	2	2	6	46.42	3
## 215	891-58-8335	2	1	1	6	29.61	7
## 216	802-43-8934	1	2	2	5	18.28	1
## 217	560-30-5617	2	2	1	6	24.77	5
## 218	319-74-2561	1	1	1	1	94.64	3
## 219	549-03-9315	2	2	2	2	94.87	8
## 220	790-29-1172	2	2	1	3	57.34	3
## 221	239-36-3640	2	2	2	1	45.35	6
## 222	468-01-2051	2	2	2	3	62.08	7
## 223	389-25-3394	3	2	2	1	11.81	5

## 224	279-62-1445	3	1	1	2	12.54	1
## 225	213-72-6612	1	2	2	3	43.25	2
## 226	746-68-6593	3	1	1	6	87.16	2
## 227	836-82-5858	2	1	2	4	69.37	9
## 228	583-72-1480	3	1	2	1	37.06	4
## 229	466-61-5506	2	1	1	1	90.70	6
## 230	721-86-6247	1	2	1	5	63.42	8
## 231	289-65-5721	2	2	1	2	81.37	2
## 232	545-46-3100	2	1	1	1	10.59	3
## 233	418-02-5978	2	2	1	4	84.09	9
## 234	269-04-5750	2	1	2	2	73.82	4
## 235	157-13-5295	1	1	2	4	51.94	10
## 236	645-78-8093	1	2	1	6	93.14	2
## 237	211-30-9270	3	2	2	4	17.41	5
## 238	755-12-3214	3	1	1	2	44.22	5
## 239	346-84-3103	2	1	1	1	13.22	5
## 240	478-06-7835	1	2	2	2	89.69	1
## 241	540-11-4336	1	2	2	3	24.94	9
## 242	448-81-5016	1	2	2	4	59.77	2
## 243	142-72-4741	3	1	2	2	93.20	2
## 244	217-58-1179	1	1	2	5	62.65	4
## 245	376-02-8238	2	2	2	5	93.87	8
## 246	530-90-9855	1	1	2	5	47.59	8
## 247	866-05-7563	2	1	1	1	81.40	3
## 248	604-70-6476	1	1	2	2	17.94	5
## 249	799-71-1548	1	1	2	1	77.72	4
## 250	785-13-7708	2	2	2	3	73.06	7
## 251	845-51-0542	2	1	2	3	46.55	9
## 252	662-47-5456	3	1	2	2	35.19	10
## 253	883-17-4236	3	2	1	6	14.39	2
## 254	290-68-2984	1	2	2	5	23.75	4
## 255	704-11-6354	1	1	2	5	58.90	8
## 256	110-48-7033	2	1	2	2	32.62	4
## 257	366-93-0948	1	1	2	1	66.35	1
## 258	729-09-9681	1	1	2	5	25.91	6
## 259	151-16-1484	1	1	2	1	32.25	4
## 260	380-94-4661	3	1	2	1	65.94	4
## 261	850-41-9669	1	2	1	1	75.06	9
## 262	821-07-3596	3	2	1	2	16.45	4
## 263	655-85-5130	2	1	1	2	38.30	4
## 264	447-15-7839	1	1	1	6	22.24	10
## 265	154-74-7179	2	2	2	6	54.45	1
## 266	253-12-6086	1	1	1	6	98.40	7
## 267	808-65-0703	3	2	2	5	35.47	4
## 268	571-94-0759	2	1	1	3	74.60	10
## 269	144-51-6085	1	1	2	5	70.74	4
## 270	731-14-2199	1	1	1	5	35.54	10
## 271	783-09-1637	2	2	1	6	67.43	5
## 272	687-15-1097	3	1	1	4	21.12	2
## 273	126-54-1082	1	1	1	5	21.54	9
## 274	633-91-1052	1	2	1	5	12.03	2
## 275	477-24-6490	2	2	1	4	99.71	6
## 276	566-19-5475	2	2	2	2	47.97	7
## 277	526-86-8552	3	1	1	5	21.82	10

## 278	376-56-3573	3	2	1	2	95.42	4
## 279	537-72-0426	3	1	2	2	70.99	10
## 280	828-61-5674	1	1	2	6	44.02	10
## 281	136-08-6195	1	2	1	5	69.96	8
## 282	523-38-0215	3	2	2	5	37.00	1
## 283	490-29-1201	1	2	1	6	15.34	1
## 284	667-92-0055	1	1	2	4	99.83	6
## 285	565-17-3836	1	1	1	4	47.67	4
## 286	498-41-1961	2	2	2	4	66.68	5
## 287	593-95-4461	3	1	2	5	74.86	1
## 288	226-71-3580	3	2	1	6	23.75	9
## 289	283-79-9594	2	2	1	3	48.51	7
## 290	430-60-3493	1	1	1	5	94.88	7
## 291	139-20-0155	2	1	2	1	40.30	10
## 292	558-80-4082	3	2	2	1	27.85	7
## 293	278-97-7759	1	1	1	1	62.48	1
## 294	316-68-6352	1	1	1	3	36.36	2
## 295	585-03-5943	2	2	2	4	18.11	10
## 296	211-05-0490	3	1	1	1	51.92	5
## 297	727-75-6477	3	2	2	1	28.84	4
## 298	744-02-5987	1	1	2	5	78.38	6
## 299	307-83-9164	1	1	2	5	60.01	4
## 300	779-06-0012	3	1	1	5	88.61	1
## 301	446-47-6729	3	2	2	2	99.82	2
## 302	573-10-3877	2	1	2	4	39.01	1
## 303	735-06-4124	3	2	2	3	48.61	1
## 304	439-54-7422	1	2	1	1	51.19	4
## 305	396-90-2219	2	2	1	1	14.96	8
## 306	411-77-0180	1	1	2	1	72.20	7
## 307	286-01-5402	1	2	1	6	40.23	7
## 308	803-17-8013	1	1	1	5	88.79	8
## 309	512-98-1403	1	1	1	1	26.48	3
## 310	848-42-2560	1	2	1	2	81.91	2
## 311	532-59-7201	2	1	2	6	79.93	6
## 312	181-94-6432	3	1	2	2	69.33	2
## 313	870-76-1733	1	1	1	3	14.23	5
## 314	423-64-4619	1	1	1	4	15.55	9
## 315	227-07-4446	3	1	1	1	78.13	10
## 316	174-36-3675	3	1	2	3	99.37	2
## 317	428-83-5800	3	1	1	3	21.08	3
## 318	603-07-0961	3	1	2	1	74.79	5
## 319	704-20-4138	3	1	1	4	29.67	7
## 320	787-15-1757	3	1	2	4	44.07	4
## 321	649-11-3678	3	2	1	3	22.93	9
## 322	622-20-1945	3	2	1	4	39.42	1
## 323	372-94-8041	1	2	2	4	15.26	6
## 324	563-91-7120	1	2	1	2	61.77	5
## 325	746-54-5508	1	2	2	5	21.52	6
## 326	276-54-0879	2	2	2	6	97.74	4
## 327	815-11-1168	1	1	2	3	99.78	5
## 328	719-76-3868	3	1	2	3	94.26	4
## 329	730-61-8757	2	1	2	4	51.13	4
## 330	340-66-0321	1	1	2	1	36.36	4
## 331	868-81-1752	2	2	2	5	22.02	9

## 332	634-97-8956	1	2	2	3	32.90	3
## 333	566-71-1091	1	2	2	2	77.02	5
## 334	442-48-3607	1	1	2	3	23.48	2
## 335	835-16-0096	3	1	2	6	14.70	5
## 336	527-09-6272	1	1	1	1	28.45	5
## 337	898-04-2717	1	2	2	2	76.40	9
## 338	692-27-8933	2	2	1	6	57.95	6
## 339	633-09-3463	3	2	1	1	47.65	3
## 340	374-17-3652	2	1	1	3	42.82	9
## 341	378-07-7001	2	1	2	1	48.09	3
## 342	433-75-6987	2	1	1	4	55.97	7
## 343	873-95-4984	2	1	1	4	76.90	7
## 344	416-13-5917	3	2	1	3	97.03	5
## 345	150-89-8043	1	2	2	6	44.65	3
## 346	135-84-8019	1	2	1	2	77.93	9
## 347	441-94-7118	1	1	2	1	71.95	1
## 348	725-96-3778	3	1	1	5	89.25	8
## 349	531-80-1784	1	2	2	1	26.02	7
## 350	400-45-1220	2	2	1	4	13.50	10
## 351	860-79-0874	3	1	1	2	99.30	10
## 352	834-61-8124	1	2	2	1	51.69	7
## 353	115-99-4379	2	1	1	2	54.73	7
## 354	565-67-6697	2	1	2	5	27.00	9
## 355	320-49-6392	3	2	1	1	30.24	1
## 356	889-04-9723	2	1	1	3	89.14	4
## 357	632-90-0281	3	2	1	2	37.55	10
## 358	554-42-2417	3	2	1	6	95.44	10
## 359	453-63-6187	2	2	2	1	27.50	3
## 360	578-80-7669	2	2	2	6	74.97	1
## 361	612-36-5536	1	1	2	3	80.96	8
## 362	605-72-4132	3	2	1	3	94.47	8
## 363	471-41-2823	3	2	2	3	99.79	2
## 364	462-67-9126	1	2	2	5	73.22	6
## 365	272-27-9238	3	2	1	3	41.24	4
## 366	834-25-9262	3	2	1	2	81.68	4
## 367	122-61-9553	3	2	1	1	51.32	9
## 368	468-88-0009	1	1	2	5	65.94	4
## 369	613-59-9758	3	2	1	6	14.36	10
## 370	254-31-0042	1	1	2	1	21.50	9
## 371	201-86-2184	2	1	1	1	26.26	7
## 372	261-12-8671	2	2	1	2	60.96	2
## 373	730-70-9830	3	2	1	5	70.11	6
## 374	382-25-8917	3	2	2	2	42.08	6
## 375	422-29-8786	1	2	1	5	67.09	5
## 376	667-23-5919	1	1	1	2	96.70	5
## 377	843-01-4703	2	1	1	5	35.38	9
## 378	743-88-1662	3	2	2	6	95.49	7
## 379	595-86-2894	3	1	2	2	96.98	4
## 380	182-69-8360	2	2	1	1	23.65	4
## 381	289-15-7034	1	1	2	6	82.33	4
## 382	462-78-5240	3	2	1	1	26.61	2
## 383	868-52-7573	2	2	1	3	99.69	5
## 384	153-58-4872	3	1	1	3	74.89	4
## 385	662-72-2873	1	2	1	3	40.94	5

## 386	525-88-7307	2	1	2	6	75.82	1
## 387	689-16-9784	3	2	2	3	46.77	6
## 388	725-56-0833	1	2	1	4	32.32	10
## 389	394-41-0748	3	1	1	2	54.07	9
## 390	596-42-3999	2	2	2	3	18.22	7
## 391	541-89-9860	3	1	1	2	80.48	3
## 392	173-82-9529	2	2	1	2	37.95	10
## 393	563-36-9814	1	1	2	1	76.82	1
## 394	308-47-4913	1	1	1	6	52.26	10
## 395	885-17-6250	1	2	1	4	79.74	1
## 396	726-27-2396	1	2	1	4	77.50	5
## 397	316-01-3952	1	2	1	3	54.27	5
## 398	760-54-1821	2	2	2	5	13.59	9
## 399	793-10-3222	2	1	1	4	41.06	6
## 400	346-12-3257	2	1	2	1	19.24	9
## 401	110-05-6330	3	2	1	3	39.43	6
## 402	651-61-0874	3	2	2	5	46.22	4
## 403	236-86-3015	3	1	2	5	13.98	1
## 404	831-64-0259	2	2	1	2	39.75	5
## 405	587-03-7455	3	1	1	2	97.79	7
## 406	882-40-4577	1	1	2	6	67.26	4
## 407	732-67-5346	1	2	2	3	13.79	5
## 408	725-32-9708	2	1	1	2	68.71	4
## 409	256-08-8343	1	2	1	5	56.53	4
## 410	372-26-1506	3	2	1	2	23.82	5
## 411	244-08-0162	2	2	1	4	34.21	10
## 412	569-71-4390	2	2	2	6	21.87	2
## 413	132-23-6451	1	1	2	4	20.97	5
## 414	696-90-2548	1	2	2	6	25.84	3
## 415	472-15-9636	1	2	2	5	50.93	8
## 416	268-03-6164	2	2	2	4	96.11	1
## 417	750-57-9686	3	2	1	5	45.38	4
## 418	186-09-3669	3	1	1	4	81.51	1
## 419	848-07-1692	2	2	1	4	57.22	2
## 420	745-71-3520	1	1	1	1	25.22	7
## 421	266-76-6436	3	1	1	3	38.60	3
## 422	740-22-2500	3	2	1	1	84.05	3
## 423	271-88-8734	3	1	1	2	97.21	10
## 424	301-81-8610	2	1	2	2	25.42	8
## 425	489-64-4354	3	2	2	2	16.28	1
## 426	198-84-7132	2	1	2	2	40.61	9
## 427	269-10-8440	1	1	2	4	53.17	7
## 428	650-98-6268	2	1	1	3	20.87	3
## 429	741-73-3559	2	2	2	6	67.27	5
## 430	325-77-6186	1	1	1	5	90.65	10
## 431	286-75-7818	2	2	2	2	69.08	2
## 432	574-57-9721	3	2	2	3	43.27	2
## 433	459-50-7686	1	2	1	1	23.46	6
## 434	616-87-0016	2	2	2	2	95.54	7
## 435	837-55-7229	2	2	1	2	47.44	1
## 436	751-69-0068	3	2	2	6	99.24	9
## 437	257-73-1380	3	1	2	6	82.93	4
## 438	345-08-4992	1	2	2	5	33.99	6
## 439	549-96-4200	3	1	2	3	17.04	4

## 440	810-60-6344	3	2	1	1	40.86	8
## 441	450-28-2866	3	1	2	3	17.44	5
## 442	394-30-3170	2	1	1	6	88.43	8
## 443	138-17-5109	1	1	1	5	89.21	9
## 444	192-98-7397	3	2	2	2	12.78	1
## 445	301-11-9629	1	2	1	6	19.10	7
## 446	390-80-5128	2	1	1	4	19.15	1
## 447	235-46-8343	3	1	2	3	27.66	10
## 448	453-12-7053	3	2	2	2	45.74	3
## 449	296-11-7041	2	1	1	4	27.07	1
## 450	449-27-2918	2	1	1	6	39.12	1
## 451	891-01-7034	2	2	1	1	74.71	6
## 452	744-09-5786	2	2	2	1	22.01	6
## 453	727-17-0390	1	2	1	3	63.61	5
## 454	568-88-3448	1	2	2	4	25.00	1
## 455	187-83-5490	1	1	2	1	20.77	4
## 456	767-54-1907	2	1	1	2	29.56	5
## 457	710-46-4433	2	1	1	3	77.40	9
## 458	533-33-5337	2	2	2	1	79.39	10
## 459	325-90-8763	3	1	1	1	46.57	10
## 460	729-46-7422	3	2	2	3	35.89	1
## 461	639-76-1242	3	2	2	3	40.52	5
## 462	234-03-4040	2	1	1	3	73.05	10
## 463	326-71-2155	3	2	1	6	73.95	4
## 464	320-32-8842	3	1	1	3	22.62	1
## 465	470-32-9057	1	1	2	3	51.34	5
## 466	878-30-2331	3	1	1	6	54.55	10
## 467	440-59-5691	3	1	1	4	37.15	7
## 468	554-53-3790	2	2	2	6	37.02	6
## 469	746-19-0921	3	2	2	3	21.58	1
## 470	233-34-0817	3	1	1	1	98.84	1
## 471	767-05-1286	3	1	1	5	83.77	6
## 472	340-21-9136	1	1	1	6	40.05	4
## 473	405-31-3305	1	1	2	2	43.13	10
## 474	731-59-7531	2	1	2	4	72.57	8
## 475	676-39-6028	1	1	1	1	64.44	5
## 476	502-05-1910	1	2	2	4	65.18	3
## 477	485-30-8700	1	2	1	6	33.26	5
## 478	598-47-9715	3	2	2	1	84.07	4
## 479	701-69-8742	2	2	2	6	34.37	10
## 480	575-67-1508	1	2	2	1	38.60	1
## 481	541-08-3113	3	2	2	3	65.97	8
## 482	246-11-3901	3	2	1	1	32.80	10
## 483	674-15-9296	1	2	2	6	37.14	5
## 484	305-18-3552	2	1	2	5	60.38	10
## 485	493-65-6248	3	1	1	6	36.98	10
## 486	438-01-4015	2	1	1	6	49.49	4
## 487	709-58-4068	2	2	1	2	41.09	10
## 488	795-49-7276	1	2	2	2	37.15	4
## 489	556-72-8512	3	2	2	5	22.96	1
## 490	627-95-3243	2	1	1	5	77.68	9
## 491	686-41-0932	2	2	1	2	34.70	2
## 492	510-09-5628	1	1	1	2	19.66	10
## 493	608-04-3797	2	1	1	4	25.32	8

## 494	148-82-2527	3	1	1	5	12.12	10
## 495	437-53-3084	2	2	2	2	99.89	2
## 496	632-32-4574	2	2	2	6	75.92	8
## 497	556-97-7101	3	2	1	1	63.22	2
## 498	862-59-8517	3	2	1	3	90.24	6
## 499	401-18-8016	2	1	1	6	98.13	1
## 500	420-18-8989	1	1	1	6	51.52	8
## 501	277-63-2961	2	1	2	6	73.97	1
## 502	573-98-8548	3	1	1	2	31.90	1
## 503	620-02-2046	3	2	2	5	69.40	2
## 504	282-35-2475	2	2	1	6	93.31	2
## 505	511-54-3087	2	2	2	6	88.45	1
## 506	726-29-6793	1	1	2	1	24.18	8
## 507	387-49-4215	2	1	1	6	48.50	3
## 508	862-17-9201	2	2	1	3	84.05	6
## 509	291-21-5991	2	1	2	4	61.29	5
## 510	602-80-9671	3	1	1	5	15.95	6
## 511	347-72-6115	2	1	1	6	90.74	7
## 512	209-61-0206	1	2	1	5	42.91	5
## 513	595-27-4851	1	2	1	2	54.28	7
## 514	189-52-0236	1	2	2	1	99.55	7
## 515	503-07-0930	3	1	2	6	58.39	7
## 516	413-20-6708	3	1	1	2	51.47	1
## 517	425-85-2085	2	1	2	4	54.86	5
## 518	521-18-7827	3	1	2	5	39.39	5
## 519	220-28-1851	1	2	2	5	34.73	2
## 520	600-38-9738	3	1	2	6	71.92	5
## 521	734-91-1155	2	2	1	1	45.71	3
## 522	451-28-5717	3	1	1	5	83.17	6
## 523	609-81-8548	1	1	1	5	37.44	6
## 524	133-14-7229	3	2	2	4	62.87	2
## 525	534-01-4457	1	2	2	3	81.71	6
## 526	719-89-8991	1	1	1	6	91.41	5
## 527	286-62-6248	2	2	2	2	39.21	4
## 528	339-38-9982	2	1	2	2	59.86	2
## 529	827-44-5872	2	1	1	3	54.36	10
## 530	827-77-7633	1	2	2	6	98.09	9
## 531	287-83-1405	1	2	2	4	25.43	6
## 532	435-13-4908	1	1	2	2	86.68	8
## 533	857-67-9057	2	2	2	1	22.95	10
## 534	236-27-1144	3	2	1	3	16.31	9
## 535	892-05-6689	1	2	1	5	28.32	5
## 536	583-41-4548	3	2	2	5	16.67	7
## 537	339-12-4827	2	1	1	2	73.96	1
## 538	643-38-7867	1	2	2	5	97.94	1
## 539	308-81-0538	1	2	1	2	73.05	4
## 540	358-88-9262	3	1	1	3	87.48	6
## 541	460-35-4390	1	2	2	5	30.68	3
## 542	343-87-0864	3	1	2	4	75.88	1
## 543	173-50-1108	2	1	1	6	20.18	4
## 544	243-47-2663	3	1	2	1	18.77	6
## 545	841-18-8232	2	2	1	3	71.20	1
## 546	701-23-5550	2	1	2	5	38.81	4
## 547	647-50-1224	1	2	1	2	29.42	10

## 548	541-48-8554	1	2	2	6	60.95	9
## 549	539-21-7227	2	2	1	6	51.54	5
## 550	213-32-1216	1	2	1	1	66.06	6
## 551	747-58-7183	2	2	2	2	57.27	3
## 552	582-52-8065	2	2	1	2	54.31	9
## 553	210-57-1719	2	2	1	4	58.24	9
## 554	399-69-4630	3	2	2	1	22.21	6
## 555	134-75-2619	1	1	2	1	19.32	7
## 556	356-44-8813	2	2	2	5	37.48	3
## 557	198-66-9832	2	1	1	2	72.04	2
## 558	283-26-5248	3	1	1	3	98.52	10
## 559	712-39-0363	1	1	2	3	41.66	6
## 560	218-59-9410	1	1	1	5	72.42	3
## 561	174-75-0888	2	2	2	1	21.58	9
## 562	866-99-7614	3	2	2	3	89.20	10
## 563	134-54-4720	2	2	1	1	42.42	8
## 564	760-90-2357	1	1	2	1	74.51	6
## 565	514-37-2845	2	2	2	2	99.25	2
## 566	698-98-5964	1	2	1	3	81.21	10
## 567	718-57-9773	3	2	1	6	49.33	10
## 568	651-88-7328	1	2	1	2	65.74	9
## 569	241-11-2261	2	2	1	2	79.86	7
## 570	408-26-9866	3	2	1	6	73.98	7
## 571	834-83-1826	2	1	1	5	82.04	5
## 572	343-61-3544	2	1	2	6	26.67	10
## 573	239-48-4278	1	1	2	3	10.13	7
## 574	355-34-6244	2	2	2	3	72.39	2
## 575	550-84-8664	1	2	2	6	85.91	5
## 576	339-96-8318	2	1	2	2	81.31	7
## 577	458-61-0011	2	2	2	3	60.30	4
## 578	592-34-6155	3	2	2	3	31.77	4
## 579	797-88-0493	1	2	1	4	64.27	4
## 580	207-73-1363	2	2	2	4	69.51	2
## 581	390-31-6381	3	2	2	3	27.22	3
## 582	443-82-0585	1	1	1	4	77.68	4
## 583	339-18-7061	3	1	1	2	92.98	2
## 584	359-90-3665	2	1	1	2	18.08	4
## 585	375-72-3056	2	2	2	6	63.06	3
## 586	127-47-6963	1	2	2	4	51.71	4
## 587	278-86-2735	1	2	1	3	52.34	3
## 588	695-28-6250	1	2	1	6	43.06	5
## 589	379-17-6588	3	2	2	2	59.61	10
## 590	227-50-3718	1	2	2	4	14.62	5
## 591	302-15-2162	3	1	2	4	46.53	6
## 592	788-07-8452	3	1	1	5	24.24	7
## 593	560-49-6611	1	1	1	6	45.58	1
## 594	880-35-0356	1	1	1	6	75.20	3
## 595	585-11-6748	2	1	2	6	96.80	3
## 596	470-31-3286	2	2	2	4	14.82	3
## 597	152-68-2907	1	2	2	3	52.20	3
## 598	123-35-4896	3	2	1	6	46.66	9
## 599	258-69-7810	3	2	1	2	36.85	5
## 600	334-64-2006	1	1	1	5	70.32	2
## 601	219-61-4139	3	2	2	1	83.08	1

## 602	881-41-7302	3	2	1	2	64.99	1
## 603	373-09-4567	3	2	2	3	77.56	10
## 604	642-30-6693	2	2	1	6	54.51	6
## 605	484-22-8230	3	1	1	2	51.89	7
## 606	830-58-2383	2	2	2	5	31.75	4
## 607	559-98-9873	1	1	1	2	53.65	7
## 608	544-32-5024	3	1	1	3	49.79	4
## 609	318-12-0304	1	2	2	2	30.61	1
## 610	349-97-8902	2	1	2	3	57.89	2
## 611	421-95-9805	1	2	1	1	28.96	1
## 612	277-35-5865	3	1	1	3	98.97	9
## 613	789-23-8625	2	1	2	2	93.22	3
## 614	284-54-4231	3	1	2	6	80.93	1
## 615	443-59-0061	1	1	2	3	67.45	10
## 616	509-29-3912	1	1	1	6	38.72	9
## 617	327-40-9673	2	1	2	6	72.60	6
## 618	840-19-2096	3	1	2	1	87.91	5
## 619	828-46-6863	1	1	2	3	98.53	6
## 620	641-96-3695	3	1	1	2	43.46	6
## 621	420-97-3340	1	2	1	3	71.68	3
## 622	436-54-4512	1	1	1	3	91.61	1
## 623	670-79-6321	2	1	1	5	94.59	7
## 624	852-62-7105	2	2	1	2	83.25	10
## 625	598-06-7312	2	1	2	2	91.35	1
## 626	135-13-8269	2	1	1	3	78.88	2
## 627	816-57-2053	1	2	2	6	60.87	2
## 628	628-90-8624	2	1	2	4	82.58	10
## 629	856-66-2701	1	1	2	5	53.30	3
## 630	308-39-1707	1	2	1	2	12.09	1
## 631	149-61-1929	1	2	2	6	64.19	10
## 632	655-07-2265	1	2	2	1	78.31	3
## 633	589-02-8023	1	1	2	3	83.77	2
## 634	420-04-7590	2	2	2	5	99.70	3
## 635	182-88-2763	2	1	2	3	79.91	3
## 636	188-55-0967	2	1	2	4	66.47	10
## 637	610-46-4100	1	2	2	4	28.95	7
## 638	318-81-2368	3	2	1	1	46.20	1
## 639	364-33-8584	2	1	1	3	17.63	5
## 640	665-63-9737	2	2	2	2	52.42	3
## 641	695-09-5146	2	1	1	3	98.79	3
## 642	155-45-3814	3	1	1	1	88.55	8
## 643	794-32-2436	2	1	2	1	55.67	2
## 644	131-15-8856	3	1	1	3	72.52	8
## 645	273-84-2164	3	1	2	1	12.05	5
## 646	706-36-6154	1	1	2	5	19.36	9
## 647	778-89-7974	3	2	2	4	70.21	6
## 648	574-31-8277	2	1	2	2	33.63	1
## 649	859-71-0933	3	1	1	6	15.49	2
## 650	740-11-5257	3	2	2	1	24.74	10
## 651	369-82-2676	2	2	2	1	75.66	5
## 652	563-47-4072	2	2	1	4	55.81	6
## 653	742-04-5161	1	1	2	5	72.78	10
## 654	149-15-7606	2	1	2	6	37.32	9
## 655	133-77-3154	2	1	2	2	60.18	4

## 656	169-52-4504	1	2	1	1	15.69	3
## 657	250-81-7186	3	2	1	1	99.69	1
## 658	562-12-5430	1	1	1	2	88.15	3
## 659	816-72-8853	1	1	1	6	27.93	5
## 660	491-38-3499	1	1	2	2	55.45	1
## 661	322-02-2271	2	2	1	6	42.97	3
## 662	842-29-4695	3	1	2	6	17.14	7
## 663	725-67-2480	2	1	1	2	58.75	6
## 664	641-51-2661	3	1	1	3	87.10	10
## 665	714-02-3114	3	2	1	6	98.80	2
## 666	518-17-2983	1	2	1	2	48.63	4
## 667	779-42-2410	2	1	2	3	57.74	3
## 668	190-14-3147	2	2	1	4	17.97	4
## 669	408-66-6712	3	1	1	4	47.71	6
## 670	679-22-6530	2	2	1	6	40.62	2
## 671	588-47-8641	1	1	2	2	56.04	10
## 672	642-61-4706	2	1	2	3	93.40	2
## 673	576-31-4774	2	2	1	4	73.41	3
## 674	556-41-6224	3	2	2	4	33.64	8
## 675	811-03-8790	1	2	1	1	45.48	10
## 676	242-11-3142	2	1	2	2	83.77	2
## 677	752-23-3760	2	1	1	6	64.08	7
## 678	274-05-5470	1	1	1	3	73.47	4
## 679	648-94-3045	3	2	2	4	58.95	10
## 680	130-67-4723	1	1	2	3	48.50	6
## 681	528-87-5606	2	1	1	1	39.48	1
## 682	320-85-2052	2	2	1	6	34.81	1
## 683	370-96-0655	3	2	1	2	49.32	6
## 684	105-10-6182	1	1	2	2	21.48	2
## 685	510-79-0415	2	1	1	6	23.08	6
## 686	241-96-5076	2	1	1	5	49.10	2
## 687	767-97-4650	2	1	1	6	64.83	2
## 688	648-83-1321	1	1	2	5	63.56	10
## 689	173-57-2300	3	1	2	6	72.88	2
## 690	305-03-2383	1	2	1	3	67.10	3
## 691	394-55-6384	3	1	1	6	70.19	9
## 692	266-20-6657	3	1	2	3	55.04	7
## 693	689-05-1884	1	1	2	4	48.63	10
## 694	196-01-2849	3	1	1	2	73.38	7
## 695	372-62-5264	3	2	1	3	52.60	9
## 696	800-09-8606	1	1	1	5	87.37	5
## 697	182-52-7000	1	1	1	6	27.04	4
## 698	826-58-8051	2	2	2	5	62.19	4
## 699	868-06-0466	1	1	2	1	69.58	9
## 700	751-41-9720	3	2	2	5	97.50	10
## 701	626-43-7888	3	2	1	2	60.41	8
## 702	176-64-7711	2	2	2	3	32.32	3
## 703	191-29-0321	2	1	1	2	19.77	10
## 704	729-06-2010	2	1	2	4	80.47	9
## 705	640-48-5028	2	1	1	5	88.39	9
## 706	186-79-9562	2	2	2	4	71.77	7
## 707	834-45-5519	2	2	1	1	43.00	4
## 708	162-65-8559	3	1	2	3	68.98	1
## 709	760-27-5490	3	2	2	2	15.62	8

## 710	445-30-9252	1	2	2	6	25.70	3
## 711	786-94-2700	1	1	2	3	80.62	6
## 712	728-88-7867	3	1	1	5	75.53	4
## 713	183-21-3799	3	2	1	1	77.63	9
## 714	268-20-3585	3	2	1	4	13.85	9
## 715	735-32-9839	3	1	2	2	98.70	8
## 716	258-92-7466	1	2	1	4	35.68	5
## 717	857-16-3520	1	1	1	2	71.46	7
## 718	482-17-1179	1	1	2	1	11.94	3
## 719	788-21-5741	1	2	2	2	45.38	3
## 720	821-14-9046	2	1	1	2	17.48	6
## 721	418-05-0656	2	2	1	2	25.56	7
## 722	678-79-0726	3	1	1	6	90.63	9
## 723	776-68-1096	2	2	2	5	44.12	3
## 724	592-46-1692	3	1	1	3	36.77	7
## 725	434-35-9162	2	1	2	3	23.34	4
## 726	149-14-0304	3	1	1	4	28.50	8
## 727	442-44-6497	3	1	2	5	55.57	3
## 728	174-64-0215	2	2	2	6	69.74	10
## 729	210-74-9613	3	2	2	2	97.26	4
## 730	299-29-0180	2	1	1	5	52.18	7
## 731	247-11-2470	1	1	1	2	22.32	4
## 732	635-28-5728	1	2	2	4	56.00	3
## 733	756-49-0168	1	1	2	2	19.70	1
## 734	438-23-1242	2	2	2	1	75.88	7
## 735	238-45-6950	2	1	2	3	53.72	1
## 736	607-65-2441	3	1	2	4	81.95	10
## 737	386-27-7606	3	1	1	5	81.20	7
## 738	137-63-5492	3	2	2	1	58.76	10
## 739	197-77-7132	2	1	2	1	91.56	8
## 740	805-86-0265	1	2	2	5	93.96	9
## 741	733-29-1227	3	2	2	5	55.61	7
## 742	451-73-2711	3	2	2	3	84.83	1
## 743	373-14-0504	1	1	1	6	71.63	2
## 744	546-80-2899	1	1	2	5	37.69	2
## 745	345-68-9016	3	1	1	6	31.67	8
## 746	390-17-5806	3	1	1	3	38.42	1
## 747	457-13-1708	2	1	2	2	65.23	10
## 748	664-14-2882	3	1	1	5	10.53	5
## 749	487-79-6868	2	1	1	5	12.29	9
## 750	314-23-4520	3	1	2	4	81.23	7
## 751	210-30-7976	2	1	1	2	22.32	4
## 752	585-86-8361	1	2	1	3	27.28	5
## 753	807-14-7833	1	1	1	1	17.42	10
## 754	775-72-1988	2	2	2	5	73.28	5
## 755	288-38-3758	3	1	1	2	84.87	3
## 756	652-43-6591	1	2	1	2	97.29	8
## 757	785-96-0615	2	1	1	1	35.74	8
## 758	406-46-7107	1	2	1	5	96.52	6
## 759	250-17-5703	1	1	2	3	18.85	10
## 760	156-95-3964	1	2	1	3	55.39	4
## 761	842-40-8179	2	1	1	3	77.20	10
## 762	525-09-8450	2	2	2	1	72.13	10
## 763	410-67-1709	1	1	1	2	63.88	8

## 764	587-73-4862	1	1	1	4	10.69	5
## 765	787-87-2010	1	1	2	4	55.50	4
## 766	593-14-4239	2	2	1	5	95.46	8
## 767	801-88-0346	3	2	1	2	76.06	3
## 768	388-76-2555	2	2	2	6	13.69	6
## 769	711-31-1234	2	2	1	1	95.64	4
## 770	886-54-6089	1	2	1	5	11.43	6
## 771	707-32-7409	2	1	1	6	95.54	4
## 772	759-98-4285	3	1	1	4	85.87	7
## 773	201-63-8275	3	1	1	6	67.99	7
## 774	471-06-8611	3	2	1	3	52.42	1
## 775	200-16-5952	3	1	2	3	65.65	2
## 776	120-54-2248	2	2	1	3	28.86	5
## 777	102-77-2261	3	1	2	4	65.31	7
## 778	875-31-8302	2	2	2	6	93.38	1
## 779	102-06-2002	3	1	2	6	25.25	5
## 780	457-94-0464	2	1	2	1	87.87	9
## 781	629-42-4133	3	2	2	4	21.80	8
## 782	534-53-3526	1	2	1	6	94.76	4
## 783	307-04-2070	1	1	1	2	30.62	1
## 784	468-99-7231	3	2	1	5	44.01	8
## 785	516-77-6464	3	1	1	4	10.16	5
## 786	404-91-5964	1	2	2	1	74.58	7
## 787	886-77-9084	3	2	2	1	71.89	8
## 788	790-38-4466	3	2	1	4	10.99	5
## 789	704-10-4056	3	1	2	4	60.47	3
## 790	497-37-6538	1	2	2	6	58.91	7
## 791	651-96-5970	1	2	2	2	46.41	1
## 792	400-80-4065	3	1	2	4	68.55	4
## 793	744-16-7898	2	2	1	5	97.37	10
## 794	263-12-5321	1	1	2	1	92.60	7
## 795	702-72-0487	1	2	1	1	46.61	2
## 796	605-83-1050	2	2	2	2	27.18	2
## 797	443-60-9639	3	1	1	5	60.87	1
## 798	864-24-7918	1	1	1	6	24.49	10
## 799	359-94-5395	2	2	2	4	92.78	1
## 800	401-09-4232	3	1	2	5	86.69	5
## 801	751-15-6198	2	2	2	6	23.01	6
## 802	324-41-6833	3	1	1	1	30.20	8
## 803	474-33-8305	3	1	2	2	67.39	7
## 804	759-29-9521	1	1	1	2	48.96	9
## 805	831-81-6575	2	1	1	1	75.59	9
## 806	220-68-6701	1	2	1	5	77.47	4
## 807	618-34-8551	1	2	1	6	93.18	2
## 808	257-60-7754	1	2	1	1	50.23	4
## 809	559-61-5987	2	2	1	4	17.75	1
## 810	189-55-2313	3	2	1	2	62.18	10
## 811	565-91-4567	2	2	2	4	10.75	8
## 812	380-60-5336	1	2	1	1	40.26	10
## 813	815-04-6282	3	1	1	6	64.97	5
## 814	674-56-6360	1	2	2	1	95.15	1
## 815	778-34-2523	1	1	1	1	48.62	8
## 816	499-27-7781	2	2	1	3	53.21	8
## 817	477-59-2456	3	2	1	2	45.44	7

## 818	832-51-6761	1	2	2	3	33.88	8
## 819	869-11-3082	2	1	2	4	96.16	4
## 820	190-59-3964	2	1	2	3	47.16	5
## 821	366-43-6862	2	2	2	1	52.89	4
## 822	186-43-8965	1	1	1	5	47.68	2
## 823	784-21-9238	3	1	2	6	10.17	1
## 824	276-75-6884	1	2	1	4	68.71	3
## 825	109-86-4363	2	1	1	6	60.08	7
## 826	569-76-2760	1	1	1	6	22.01	4
## 827	222-42-0244	2	1	1	4	72.11	9
## 828	760-53-9233	1	1	2	2	41.28	3
## 829	538-22-0304	3	2	2	1	64.95	10
## 830	416-17-9926	1	1	1	1	74.22	10
## 831	237-44-6163	1	2	2	1	10.56	8
## 832	636-17-0325	2	2	2	4	62.57	4
## 833	343-75-9322	2	1	1	6	11.85	8
## 834	528-14-9470	1	1	2	4	91.30	1
## 835	427-45-9297	2	1	1	5	40.73	7
## 836	807-34-3742	1	2	2	2	52.38	1
## 837	288-62-1085	1	1	2	2	38.54	5
## 838	670-71-7306	2	2	2	6	44.63	6
## 839	660-29-7083	3	2	2	1	55.87	10
## 840	271-77-8740	3	1	1	6	29.22	6
## 841	497-36-0989	1	2	2	2	51.94	3
## 842	291-59-1384	2	2	2	1	60.30	1
## 843	860-73-6466	1	1	1	6	39.47	2
## 844	549-23-9016	3	1	1	3	14.87	2
## 845	896-34-0956	1	2	2	2	21.32	1
## 846	804-38-3935	1	1	2	1	93.78	3
## 847	585-90-0249	1	1	2	1	73.26	1
## 848	862-29-5914	3	2	1	6	22.38	1
## 849	845-94-6841	3	1	1	3	72.88	9
## 850	125-45-2293	1	2	1	2	99.10	6
## 851	843-73-4724	1	2	2	2	74.10	1
## 852	409-33-9708	1	2	1	2	98.48	2
## 853	658-66-3967	3	2	2	4	53.19	7
## 854	866-70-2814	2	2	1	1	52.79	10
## 855	160-22-2687	1	1	1	4	95.95	5
## 856	895-03-6665	2	2	1	2	36.51	9
## 857	770-42-8960	2	2	2	3	21.12	8
## 858	748-45-2862	1	1	1	5	28.31	4
## 859	234-36-2483	2	2	2	4	57.59	6
## 860	316-66-3011	1	1	1	3	47.63	9
## 861	848-95-6252	3	1	1	5	86.27	1
## 862	840-76-5966	1	1	2	6	12.76	2
## 863	152-03-4217	2	2	1	5	11.28	9
## 864	533-66-5566	2	2	1	5	51.07	7
## 865	124-31-1458	1	1	1	1	79.59	3
## 866	176-78-1170	3	1	2	4	33.81	3
## 867	361-59-0574	2	1	2	6	90.53	8
## 868	101-81-4070	3	1	1	4	62.82	2
## 869	631-34-1880	3	1	2	3	24.31	3
## 870	852-82-2749	1	2	2	6	64.59	4
## 871	873-14-6353	1	1	2	3	24.82	7

## 872	584-66-4073	3	2	2	2	56.50	1
## 873	544-55-9589	2	1	1	1	21.43	10
## 874	166-19-2553	1	1	2	6	89.06	6
## 875	737-88-5876	1	1	2	5	23.29	4
## 876	154-87-7367	3	2	2	5	65.26	8
## 877	885-56-0389	3	1	2	2	52.35	1
## 878	608-05-3804	2	1	2	1	39.75	1
## 879	448-61-3783	1	2	1	1	90.02	8
## 880	761-49-0439	2	1	1	1	12.10	8
## 881	490-95-0021	2	1	1	3	33.21	10
## 882	115-38-7388	3	1	1	2	10.18	8
## 883	311-13-6971	2	1	2	6	31.99	10
## 884	291-55-6563	1	1	1	5	34.42	6
## 885	548-48-3156	1	1	1	3	83.34	2
## 886	460-93-5834	1	2	2	6	45.58	7
## 887	325-89-4209	1	1	2	3	87.90	1
## 888	884-80-6021	1	1	1	1	73.47	10
## 889	137-74-8729	3	2	1	2	12.19	8
## 890	880-46-5796	1	1	2	6	76.92	10
## 891	389-70-2397	3	2	1	4	83.66	5
## 892	114-35-5271	2	2	1	1	57.91	8
## 893	607-76-6216	3	1	1	2	92.49	5
## 894	715-20-1673	2	2	2	1	28.38	5
## 895	811-35-1094	2	1	2	1	50.45	6
## 896	699-88-1972	2	2	2	4	99.16	8
## 897	781-84-8059	3	2	2	2	60.74	7
## 898	409-49-6995	3	1	1	3	47.27	6
## 899	725-54-0677	3	1	2	4	85.60	7
## 900	146-09-5432	1	1	2	3	35.04	9
## 901	377-79-7592	3	1	1	1	44.84	9
## 902	509-10-0516	2	2	2	5	45.97	4
## 903	595-94-9924	1	1	1	4	27.73	5
## 904	865-41-9075	1	2	2	3	11.53	7
## 905	545-07-8534	3	2	1	4	58.32	2
## 906	118-62-1812	3	1	1	5	78.38	4
## 907	450-42-3339	3	2	2	4	84.61	10
## 908	851-98-3555	2	2	1	4	82.88	5
## 909	186-71-5196	1	1	1	3	79.54	2
## 910	624-01-8356	2	2	1	5	49.01	10
## 911	313-66-9943	2	1	1	3	29.15	3
## 912	151-27-8496	3	2	1	1	56.13	4
## 913	453-33-6436	1	2	1	5	93.12	8
## 914	522-57-8364	1	1	2	2	51.34	8
## 915	459-45-2396	1	1	1	3	99.60	3
## 916	717-96-4189	3	2	1	1	35.49	6
## 917	722-13-2115	3	1	2	6	42.85	1
## 918	749-81-8133	1	2	1	2	94.67	4
## 919	777-67-2495	2	2	2	5	68.97	3
## 920	636-98-3364	2	1	1	1	26.26	3
## 921	246-55-6923	3	1	1	5	35.79	9
## 922	181-82-6255	2	2	1	5	16.37	6
## 923	838-02-1821	3	1	1	5	12.73	2
## 924	887-42-0517	3	2	1	6	83.14	7
## 925	457-12-0244	3	1	1	6	35.22	6

## 926	226-34-0034	2	2	1	1	13.78	4
## 927	321-49-7382	2	1	2	6	88.31	1
## 928	397-25-8725	1	1	1	4	39.62	9
## 929	431-66-2305	2	2	1	1	88.25	9
## 930	825-94-5922	2	2	2	6	25.31	2
## 931	641-62-7288	2	2	2	5	99.92	6
## 932	756-93-1854	3	1	1	2	83.35	2
## 933	243-55-8457	1	2	1	3	74.44	10
## 934	458-10-8612	3	2	2	4	64.08	7
## 935	501-61-1753	2	2	1	5	63.15	6
## 936	235-06-8510	3	1	2	5	85.72	3
## 937	433-08-7822	3	2	1	4	78.89	7
## 938	361-85-2571	1	2	1	6	89.48	5
## 939	131-70-8179	1	1	1	4	92.09	3
## 940	500-02-2261	3	2	1	3	57.29	6
## 941	720-72-2436	1	2	2	3	66.52	4
## 942	702-83-5291	3	1	2	2	99.82	9
## 943	809-69-9497	1	2	1	5	45.68	10
## 944	449-16-6770	1	2	2	4	50.79	5
## 945	333-23-2632	1	1	2	4	10.08	7
## 946	489-82-1237	1	2	1	1	93.88	7
## 947	859-97-6048	3	1	2	1	84.25	2
## 948	676-10-2200	2	1	2	2	53.78	1
## 949	373-88-1424	3	1	2	5	35.81	5
## 950	365-16-4334	2	2	1	3	26.43	8
## 951	503-21-4385	2	1	2	4	39.91	3
## 952	305-89-2768	2	1	1	5	21.90	3
## 953	574-80-1489	2	1	1	3	62.85	4
## 954	784-08-0310	3	1	1	3	21.04	4
## 955	200-40-6154	2	1	2	5	65.91	6
## 956	846-10-0341	1	2	1	2	42.57	7
## 957	577-34-7579	3	1	2	3	50.49	9
## 958	430-02-3888	2	2	2	1	46.02	6
## 959	867-47-1948	3	2	1	5	15.80	10
## 960	384-59-6655	1	1	1	3	98.66	9
## 961	256-58-3609	3	1	2	2	91.98	1
## 962	324-92-3863	1	1	2	1	20.89	2
## 963	593-08-5916	1	2	1	2	15.50	1
## 964	364-34-2972	3	1	2	1	96.82	3
## 965	794-42-3736	2	2	2	3	33.33	2
## 966	172-42-8274	2	2	1	1	38.27	2
## 967	558-60-5016	1	2	1	5	33.30	9
## 968	195-06-0432	1	1	2	5	81.01	3
## 969	605-03-2706	1	2	1	4	15.80	3
## 970	214-30-2776	2	1	1	1	34.49	5
## 971	746-04-1077	2	1	1	3	84.63	10
## 972	448-34-8700	2	1	2	5	36.91	7
## 973	452-04-8808	2	2	2	1	87.08	7
## 974	531-56-4728	1	2	2	5	80.08	3
## 975	744-82-9138	3	2	2	2	86.13	2
## 976	883-69-1285	2	1	2	2	49.92	2
## 977	221-25-5073	1	2	1	3	74.66	4
## 978	518-71-6847	2	1	2	3	26.60	6
## 979	156-20-0370	2	2	1	1	25.45	1

## 980	151-33-7434	2	2	1	3	67.77	1
## 981	728-47-9078	3	1	2	3	59.59	4
## 982	809-46-1866	1	2	2	4	58.15	4
## 983	139-32-4183	1	1	1	6	97.48	9
## 984	148-41-7930	3	2	2	4	99.96	7
## 985	189-40-5216	3	2	2	1	96.37	7
## 986	374-38-5555	2	2	1	2	63.71	5
## 987	764-44-8999	2	2	1	4	14.76	2
## 988	552-44-5977	2	1	2	4	62.00	8
## 989	267-62-7380	3	1	2	1	82.34	10
## 990	430-53-4718	2	1	2	4	75.37	8
## 991	886-18-2897	1	2	1	3	56.56	5
## 992	602-16-6955	2	2	1	6	76.60	10
## 993	745-74-0715	1	2	2	1	58.03	2
## 994	690-01-6631	2	2	2	2	17.49	10
## 995	652-49-6720	3	1	1	1	60.95	1
## 996	233-67-5758	3	2	2	4	40.35	1
## 997	303-96-2227	2	2	1	5	97.38	10
## 998	727-02-1313	1	1	2	3	31.84	1
## 999	347-56-2442	1	2	2	5	65.82	1
## 1000	849-09-3807	1	1	1	2	88.34	7

##	Tax	Date	hours	minutes	Payment	cogs	gross.margin.percentage
## 1	26.1415	2019-01-05	13:	08	3	522.83	4.761905
## 2	3.8200	2019-03-08	10:	29	1	76.40	4.761905
## 3	16.2155	2019-03-03	13:	23	2	324.31	4.761905
## 4	23.2880	2019-01-27	20:	33	3	465.76	4.761905
## 5	30.2085	2019-02-08	10:	37	3	604.17	4.761905
## 6	29.8865	2019-03-25	18:	30	3	597.73	4.761905
## 7	20.6520	2019-02-25	14:	36	3	413.04	4.761905
## 8	36.7800	2019-02-24	11:	38	3	735.60	4.761905
## 9	3.6260	2019-01-10	17:	15	2	72.52	4.761905
## 10	8.2260	2019-02-20	13:	27	2	164.52	4.761905
## 11	2.8960	2019-02-06	18:	07	3	57.92	4.761905
## 12	5.1020	2019-03-09	17:	03	1	102.04	4.761905
## 13	11.7375	2019-02-12	10:	25	3	234.75	4.761905
## 14	21.5950	2019-02-07	16:	48	3	431.90	4.761905
## 15	35.6900	2019-03-29	19:	21	1	713.80	4.761905
## 16	28.1160	2019-01-15	16:	19	1	562.32	4.761905
## 17	24.1255	2019-03-11	11:	03	2	482.51	4.761905
## 18	21.7830	2019-01-01	10:	39	2	435.66	4.761905
## 19	8.2005	2019-01-21	18:	00	2	164.01	4.761905
## 20	4.0300	2019-03-11	15:	30	3	80.60	4.761905
## 21	21.5100	2019-02-25	11:	24	3	430.20	4.761905
## 22	13.1970	2019-03-05	10:	40	3	263.94	4.761905
## 23	3.3200	2019-03-15	12:	20	2	66.40	4.761905
## 24	8.6400	2019-02-17	11:	15	3	172.80	4.761905
## 25	13.2945	2019-03-02	17:	36	3	265.89	4.761905
## 26	21.0360	2019-03-22	19:	20	2	420.72	4.761905
## 27	1.6760	2019-02-08	15:	31	1	33.52	4.761905
## 28	8.7670	2019-03-10	12:	17	2	175.34	4.761905
## 29	22.0900	2019-01-25	19:	48	1	441.80	4.761905
## 30	11.2005	2019-03-15	15:	36	1	224.01	4.761905
## 31	23.5325	2019-02-25	19:	39	2	470.65	4.761905
## 32	35.1315	2019-01-28	12:	43	1	702.63	4.761905

## 33	33.5120	2019-01-10	14:	49	1 670.24	4.761905
## 34	9.6580	2019-03-15	10:	12	2 193.16	4.761905
## 35	19.8840	2019-02-06	10:	42	3 397.68	4.761905
## 36	3.4060	2019-01-07	12:	28	3 68.12	4.761905
## 37	15.6550	2019-03-10	19:	15	3 313.10	4.761905
## 38	27.3960	2019-01-15	17:	17	3 547.92	4.761905
## 39	21.9680	2019-03-23	13:	24	3 439.36	4.761905
## 40	12.0480	2019-03-03	13:	01	1 240.96	4.761905
## 41	4.3360	2019-01-17	18:	45	3 86.72	4.761905
## 42	5.6110	2019-02-02	10:	11	1 112.22	4.761905
## 43	20.7360	2019-02-08	13:	03	1 414.72	4.761905
## 44	39.4800	2019-03-04	20:	39	1 789.60	4.761905
## 45	1.5370	2019-03-16	19:	47	1 30.74	4.761905
## 46	18.7920	2019-03-09	18:	00	1 375.84	4.761905
## 47	25.5105	2019-02-27	17:	24	2 510.21	4.761905
## 48	9.0045	2019-02-06	15:	47	3 180.09	4.761905
## 49	5.6790	2019-02-10	12:	45	2 113.58	4.761905
## 50	41.3150	2019-03-19	17:	08	3 826.30	4.761905
## 51	31.9900	2019-02-03	10:	19	1 639.80	4.761905
## 52	11.1475	2019-02-10	15:	10	1 222.95	4.761905
## 53	3.5740	2019-03-22	14:	42	3 71.48	4.761905
## 54	0.7715	2019-01-25	15:	46	2 15.43	4.761905
## 55	1.6160	2019-03-07	11:	49	3 32.32	4.761905
## 56	34.3920	2019-02-28	19:	01	1 687.84	4.761905
## 57	4.4340	2019-03-27	11:	26	1 88.68	4.761905
## 58	35.8400	2019-02-07	11:	28	3 716.80	4.761905
## 59	36.1750	2019-01-20	15:	55	1 723.50	4.761905
## 60	9.1830	2019-03-12	20:	36	1 183.66	4.761905
## 61	3.7110	2019-02-15	17:	47	2 74.22	4.761905
## 62	16.7190	2019-02-24	10:	55	3 334.38	4.761905
## 63	24.7815	2019-02-03	13:	40	3 495.63	4.761905
## 64	7.9050	2019-03-06	12:	27	2 158.10	4.761905
## 65	15.1480	2019-02-14	14:	35	1 302.96	4.761905
## 66	7.9350	2019-03-13	16:	40	1 158.70	4.761905
## 67	3.3470	2019-02-10	15:	43	3 66.94	4.761905
## 68	29.2830	2019-01-07	15:	01	3 585.66	4.761905
## 69	39.3850	2019-01-24	10:	04	1 787.70	4.761905
## 70	0.9165	2019-02-02	18:	50	1 18.33	4.761905
## 71	44.7400	2019-01-06	12:	46	2 894.80	4.761905
## 72	31.0600	2019-02-11	16:	19	1 621.20	4.761905
## 73	7.2780	2019-03-05	18:	17	3 145.56	4.761905
## 74	22.7730	2019-03-09	18:	21	1 455.46	4.761905
## 75	33.6015	2019-01-22	10:	55	3 672.03	4.761905
## 76	20.8250	2019-01-13	17:	04	2 416.50	4.761905
## 77	22.0680	2019-01-09	14:	20	2 441.36	4.761905
## 78	9.0045	2019-01-12	15:	48	2 180.09	4.761905
## 79	39.1550	2019-03-05	16:	24	3 783.10	4.761905
## 80	5.0950	2019-01-22	18:	56	1 101.90	4.761905
## 81	29.7570	2019-01-21	14:	42	2 595.14	4.761905
## 82	14.5020	2019-01-26	19:	56	3 290.04	4.761905
## 83	7.7000	2019-01-23	18:	37	3 154.00	4.761905
## 84	16.0720	2019-02-23	18:	45	2 321.44	4.761905
## 85	12.2275	2019-03-09	10:	17	1 244.55	4.761905
## 86	29.0710	2019-03-05	14:	31	3 581.42	4.761905

## 87	19.1300	2019-03-25	10:	23	1 382.60	4.761905
## 88	17.2830	2019-03-27	20:	35	2 345.66	4.761905
## 89	2.1235	2019-01-02	16:	57	1 42.47	4.761905
## 90	23.0970	2019-02-27	17:	55	1 461.94	4.761905
## 91	9.4760	2019-01-23	10:	25	1 189.52	4.761905
## 92	22.4300	2019-01-26	19:	54	3 448.60	4.761905
## 93	7.6930	2019-01-10	16:	42	3 153.86	4.761905
## 94	28.9620	2019-03-12	12:	09	2 579.24	4.761905
## 95	4.4875	2019-02-06	20:	05	2 89.75	4.761905
## 96	4.8580	2019-03-08	20:	38	3 97.16	4.761905
## 97	43.9350	2019-03-29	10:	25	3 878.70	4.761905
## 98	3.7350	2019-02-09	13:	11	1 74.70	4.761905
## 99	7.9125	2019-03-23	10:	16	3 158.25	4.761905
## 100	24.8100	2019-03-05	18:	14	1 496.20	4.761905
## 101	2.4355	2019-03-26	19:	20	1 48.71	4.761905
## 102	35.3475	2019-03-01	13:	22	1 706.95	4.761905
## 103	10.3815	2019-02-01	11:	27	1 207.63	4.761905
## 104	17.4780	2019-03-28	16:	44	1 349.56	4.761905
## 105	10.6225	2019-03-19	18:	19	1 212.45	4.761905
## 106	44.3350	2019-01-12	14:	50	3 886.70	4.761905
## 107	8.2140	2019-01-05	20:	54	2 164.28	4.761905
## 108	18.6390	2019-03-22	20:	19	1 372.78	4.761905
## 109	15.2910	2019-03-24	10:	43	1 305.82	4.761905
## 110	40.9850	2019-03-03	14:	30	1 819.70	4.761905
## 111	1.6490	2019-02-05	11:	32	3 32.98	4.761905
## 112	14.7315	2019-02-05	10:	41	2 294.63	4.761905
## 113	25.4940	2019-02-15	12:	44	1 509.88	4.761905
## 114	26.1315	2019-01-19	20:	07	3 522.63	4.761905
## 115	36.3555	2019-02-01	20:	31	2 727.11	4.761905
## 116	4.0530	2019-03-02	13:	01	2 81.06	4.761905
## 117	5.4850	2019-03-05	12:	29	3 109.70	4.761905
## 118	2.5680	2019-01-16	15:	26	3 51.36	4.761905
## 119	5.4800	2019-02-02	20:	48	3 109.60	4.761905
## 120	5.3440	2019-01-20	20:	38	3 106.88	4.761905
## 121	39.8240	2019-02-14	17:	03	2 796.48	4.761905
## 122	19.9920	2019-01-12	12:	02	2 399.84	4.761905
## 123	44.9820	2019-03-09	17:	26	2 899.64	4.761905
## 124	25.5640	2019-03-13	19:	52	2 511.28	4.761905
## 125	22.5880	2019-03-09	14:	57	3 451.76	4.761905
## 126	32.7915	2019-03-10	18:	44	2 655.83	4.761905
## 127	8.0625	2019-01-27	13:	26	1 161.25	4.761905
## 128	14.2785	2019-01-08	16:	17	2 285.57	4.761905
## 129	27.4160	2019-01-08	15:	57	3 548.32	4.761905
## 130	40.6260	2019-02-08	11:	15	3 812.52	4.761905
## 131	13.8670	2019-01-25	13:	18	1 277.34	4.761905
## 132	27.6390	2019-03-06	20:	34	1 552.78	4.761905
## 133	6.9680	2019-02-10	18:	36	1 139.36	4.761905
## 134	26.2350	2019-02-17	14:	40	2 524.70	4.761905
## 135	24.3900	2019-03-08	16:	43	3 487.80	4.761905
## 136	13.5330	2019-02-18	19:	39	1 270.66	4.761905
## 137	6.5775	2019-01-18	20:	59	2 131.55	4.761905
## 138	10.3260	2019-02-18	15:	39	1 206.52	4.761905
## 139	25.9550	2019-02-16	12:	21	1 519.10	4.761905
## 140	29.0000	2019-03-16	19:	25	3 580.00	4.761905

## 141	44.9000	2019-01-23	13:	00	2 898.00	4.761905
## 142	45.2500	2019-01-25	13:	48	1 905.00	4.761905
## 143	34.3000	2019-02-05	19:	57	1 686.00	4.761905
## 144	1.5205	2019-02-22	10:	36	2 30.41	4.761905
## 145	23.3850	2019-01-21	16:	37	3 467.70	4.761905
## 146	13.8780	2019-03-08	17:	11	2 277.56	4.761905
## 147	15.0700	2019-02-10	12:	28	3 301.40	4.761905
## 148	13.2280	2019-03-19	12:	46	2 264.56	4.761905
## 149	28.7440	2019-03-06	15:	07	2 574.88	4.761905
## 150	12.9840	2019-03-27	13:	48	2 259.68	4.761905
## 151	18.3080	2019-03-23	19:	20	2 366.16	4.761905
## 152	12.0960	2019-03-11	16:	07	2 241.92	4.761905
## 153	37.4580	2019-01-29	11:	56	2 749.16	4.761905
## 154	4.9440	2019-02-07	18:	23	3 98.88	4.761905
## 155	32.3880	2019-01-28	13:	05	1 647.76	4.761905
## 156	23.0725	2019-02-20	15:	55	2 461.45	4.761905
## 157	3.6085	2019-01-04	19:	40	1 72.17	4.761905
## 158	12.5700	2019-03-07	13:	58	3 251.40	4.761905
## 159	43.7490	2019-03-30	14:	43	3 874.98	4.761905
## 160	28.0170	2019-03-27	19:	18	3 560.34	4.761905
## 161	17.2720	2019-01-19	19:	39	2 345.44	4.761905
## 162	3.1845	2019-02-25	16:	21	1 63.69	4.761905
## 163	16.0265	2019-03-13	19:	44	2 320.53	4.761905
## 164	7.6400	2019-01-30	19:	42	3 152.80	4.761905
## 165	19.9500	2019-02-20	15:	24	2 399.00	4.761905
## 166	17.0280	2019-02-25	14:	12	3 340.56	4.761905
## 167	47.7900	2019-01-16	13:	32	1 955.80	4.761905
## 168	49.4900	2019-02-08	16:	20	2 989.80	4.761905
## 169	15.3840	2019-01-19	16:	31	1 307.68	4.761905
## 170	24.3320	2019-02-01	15:	10	2 486.64	4.761905
## 171	17.5025	2019-01-03	11:	36	3 350.05	4.761905
## 172	20.0125	2019-01-26	12:	45	2 400.25	4.761905
## 173	8.3400	2019-03-03	19:	17	1 166.80	4.761905
## 174	15.8670	2019-01-19	17:	34	2 317.34	4.761905
## 175	7.9160	2019-01-18	12:	04	3 158.32	4.761905
## 176	15.2280	2019-03-21	16:	21	3 304.56	4.761905
## 177	8.8680	2019-03-03	17:	01	2 177.36	4.761905
## 178	7.8785	2019-02-13	10:	50	2 157.57	4.761905
## 179	22.1640	2019-03-23	19:	16	3 443.28	4.761905
## 180	13.0200	2019-01-28	16:	47	3 260.40	4.761905
## 181	22.4910	2019-02-09	10:	00	1 449.82	4.761905
## 182	15.3880	2019-01-23	11:	51	1 307.76	4.761905
## 183	7.7500	2019-03-23	10:	55	3 155.00	4.761905
## 184	13.7240	2019-01-25	15:	00	3 274.48	4.761905
## 185	4.3190	2019-03-04	11:	19	2 86.38	4.761905
## 186	2.7120	2019-03-05	19:	46	3 54.24	4.761905
## 187	37.7960	2019-03-03	19:	00	3 755.92	4.761905
## 188	9.2940	2019-02-08	10:	53	1 185.88	4.761905
## 189	3.7035	2019-02-10	12:	50	3 74.07	4.761905
## 190	13.9620	2019-01-28	20:	50	2 279.24	4.761905
## 191	11.5560	2019-02-11	10:	39	2 231.12	4.761905
## 192	7.3520	2019-01-15	13:	41	3 147.04	4.761905
## 193	39.5100	2019-03-16	19:	08	1 790.20	4.761905
## 194	5.1100	2019-01-26	20:	23	3 102.20	4.761905

## 195	8.1775	2019-03-19	11:	30	2	163.55	4.761905
## 196	3.7145	2019-01-13	19:	30	1	74.29	4.761905
## 197	4.3700	2019-03-26	18:	03	1	87.40	4.761905
## 198	1.2645	2019-03-23	10:	13	3	25.29	4.761905
## 199	8.3000	2019-03-12	19:	58	2	166.00	4.761905
## 200	17.8475	2019-02-17	19:	57	2	356.95	4.761905
## 201	5.7450	2019-01-29	10:	01	2	114.90	4.761905
## 202	11.4980	2019-03-15	11:	57	1	229.96	4.761905
## 203	21.4935	2019-01-14	10:	02	1	429.87	4.761905
## 204	12.9500	2019-02-06	14:	51	3	259.00	4.761905
## 205	4.4425	2019-02-15	12:	42	2	88.85	4.761905
## 206	10.3635	2019-01-03	12:	02	3	207.27	4.761905
## 207	29.9925	2019-01-04	18:	19	2	599.85	4.761905
## 208	14.2650	2019-03-18	17:	38	3	285.30	4.761905
## 209	4.5555	2019-03-28	13:	41	3	91.11	4.761905
## 210	44.8785	2019-03-02	19:	42	2	897.57	4.761905
## 211	11.8035	2019-01-25	20:	24	3	236.07	4.761905
## 212	41.9670	2019-01-16	18:	08	1	839.34	4.761905
## 213	23.0900	2019-03-20	19:	17	3	461.80	4.761905
## 214	6.9630	2019-01-04	13:	24	2	139.26	4.761905
## 215	10.3635	2019-03-11	15:	53	1	207.27	4.761905
## 216	0.9140	2019-03-22	15:	05	2	18.28	4.761905
## 217	6.1925	2019-03-24	18:	27	1	123.85	4.761905
## 218	14.1960	2019-02-21	16:	55	1	283.92	4.761905
## 219	37.9480	2019-02-12	12:	58	3	758.96	4.761905
## 220	8.6010	2019-03-10	18:	59	2	172.02	4.761905
## 221	13.6050	2019-01-31	13:	44	3	272.10	4.761905
## 222	21.7280	2019-03-06	13:	46	3	434.56	4.761905
## 223	2.9525	2019-02-17	18:	06	1	59.05	4.761905
## 224	0.6270	2019-02-21	12:	38	1	12.54	4.761905
## 225	4.3250	2019-03-20	15:	56	1	86.50	4.761905
## 226	8.7160	2019-01-11	14:	29	2	174.32	4.761905
## 227	31.2165	2019-01-26	19:	14	3	624.33	4.761905
## 228	7.4120	2019-01-31	16:	24	3	148.24	4.761905
## 229	27.2100	2019-02-26	10:	52	1	544.20	4.761905
## 230	25.3680	2019-03-11	12:	55	3	507.36	4.761905
## 231	8.1370	2019-01-26	19:	28	1	162.74	4.761905
## 232	1.5885	2019-03-12	13:	52	2	31.77	4.761905
## 233	37.8405	2019-02-11	10:	54	1	756.81	4.761905
## 234	14.7640	2019-02-21	18:	31	1	295.28	4.761905
## 235	25.9700	2019-03-09	18:	24	3	519.40	4.761905
## 236	9.3140	2019-01-20	18:	09	3	186.28	4.761905
## 237	4.3525	2019-01-28	15:	16	2	87.05	4.761905
## 238	11.0550	2019-03-05	17:	07	2	221.10	4.761905
## 239	3.3050	2019-03-02	19:	26	1	66.10	4.761905
## 240	4.4845	2019-01-11	11:	20	3	89.69	4.761905
## 241	11.2230	2019-01-11	16:	49	2	224.46	4.761905
## 242	5.9770	2019-03-11	12:	01	2	119.54	4.761905
## 243	9.3200	2019-02-28	18:	37	2	186.40	4.761905
## 244	12.5300	2019-01-05	11:	25	1	250.60	4.761905
## 245	37.5480	2019-02-02	18:	42	2	750.96	4.761905
## 246	19.0360	2019-01-01	14:	47	1	380.72	4.761905
## 247	12.2100	2019-02-09	19:	43	1	244.20	4.761905
## 248	4.4850	2019-01-23	14:	04	3	89.70	4.761905

## 249	15.5440	2019-01-07	16:	11	2 310.88	4.761905
## 250	25.5710	2019-01-14	19:	06	2 511.42	4.761905
## 251	20.9475	2019-02-02	15:	34	3 418.95	4.761905
## 252	17.5950	2019-03-17	19:	06	2 351.90	4.761905
## 253	1.4390	2019-03-02	19:	44	2 28.78	4.761905
## 254	4.7500	2019-03-16	11:	22	1 95.00	4.761905
## 255	23.5600	2019-01-06	11:	23	1 471.20	4.761905
## 256	6.5240	2019-01-29	14:	12	1 130.48	4.761905
## 257	3.3175	2019-01-31	10:	46	2 66.35	4.761905
## 258	7.7730	2019-02-05	10:	16	3 155.46	4.761905
## 259	6.4500	2019-02-13	12:	38	3 129.00	4.761905
## 260	13.1880	2019-02-07	13:	05	2 263.76	4.761905
## 261	33.7770	2019-03-19	13:	25	3 675.54	4.761905
## 262	3.2900	2019-03-07	14:	53	3 65.80	4.761905
## 263	7.6600	2019-03-13	19:	22	1 153.20	4.761905
## 264	11.1200	2019-02-09	11:	00	1 222.40	4.761905
## 265	2.7225	2019-02-26	19:	24	3 54.45	4.761905
## 266	34.4400	2019-03-12	12:	43	2 688.80	4.761905
## 267	7.0940	2019-03-14	17:	22	2 141.88	4.761905
## 268	37.3000	2019-01-08	20:	55	1 746.00	4.761905
## 269	14.1480	2019-01-05	16:	05	2 282.96	4.761905
## 270	17.7700	2019-01-04	13:	34	3 355.40	4.761905
## 271	16.8575	2019-03-06	18:	13	3 337.15	4.761905
## 272	2.1120	2019-01-03	19:	17	1 42.24	4.761905
## 273	9.6930	2019-01-07	11:	44	2 193.86	4.761905
## 274	1.2030	2019-01-27	15:	51	1 24.06	4.761905
## 275	29.9130	2019-02-26	16:	52	3 598.26	4.761905
## 276	16.7895	2019-01-07	20:	52	1 335.79	4.761905
## 277	10.9100	2019-01-07	17:	36	1 218.20	4.761905
## 278	19.0840	2019-02-02	13:	23	3 381.68	4.761905
## 279	35.4950	2019-03-20	16:	28	1 709.90	4.761905
## 280	22.0100	2019-03-20	19:	57	2 440.20	4.761905
## 281	27.9840	2019-02-15	17:	01	2 559.68	4.761905
## 282	1.8500	2019-03-06	13:	29	2 37.00	4.761905
## 283	0.7670	2019-01-06	11:	09	1 15.34	4.761905
## 284	29.9490	2019-03-04	15:	02	3 598.98	4.761905
## 285	9.5340	2019-03-12	14:	21	1 190.68	4.761905
## 286	16.6700	2019-02-20	18:	01	1 333.40	4.761905
## 287	3.7430	2019-03-24	14:	49	1 74.86	4.761905
## 288	10.6875	2019-01-31	12:	02	1 213.75	4.761905
## 289	16.9785	2019-01-25	13:	30	2 339.57	4.761905
## 290	33.2080	2019-02-03	14:	38	1 664.16	4.761905
## 291	20.1500	2019-01-24	17:	37	2 403.00	4.761905
## 292	9.7475	2019-03-14	17:	20	3 194.95	4.761905
## 293	3.1240	2019-02-18	20:	29	1 62.48	4.761905
## 294	3.6360	2019-01-21	10:	00	1 72.72	4.761905
## 295	9.0550	2019-03-13	11:	46	3 181.10	4.761905
## 296	12.9800	2019-03-03	13:	42	1 259.60	4.761905
## 297	5.7680	2019-03-29	14:	44	1 115.36	4.761905
## 298	23.5140	2019-01-10	14:	16	3 470.28	4.761905
## 299	12.0020	2019-01-25	15:	54	1 240.04	4.761905
## 300	4.4305	2019-01-19	10:	21	1 88.61	4.761905
## 301	9.9820	2019-01-02	18:	09	2 199.64	4.761905
## 302	1.9505	2019-03-12	16:	46	2 39.01	4.761905

## 303	2.4305	2019-02-25	15:	31	1	48.61	4.761905
## 304	10.2380	2019-03-18	17:	15	2	204.76	4.761905
## 305	5.9840	2019-02-23	12:	29	1	119.68	4.761905
## 306	25.2700	2019-03-26	20:	14	3	505.40	4.761905
## 307	14.0805	2019-03-30	13:	22	1	281.61	4.761905
## 308	35.5160	2019-02-17	17:	09	1	710.32	4.761905
## 309	3.9720	2019-03-21	10:	40	3	79.44	4.761905
## 310	8.1910	2019-03-05	17:	43	1	163.82	4.761905
## 311	23.9790	2019-01-31	14:	04	1	479.58	4.761905
## 312	6.9330	2019-02-05	19:	05	3	138.66	4.761905
## 313	3.5575	2019-02-01	10:	08	2	71.15	4.761905
## 314	6.9975	2019-03-07	13:	12	1	139.95	4.761905
## 315	39.0650	2019-02-10	20:	51	1	781.30	4.761905
## 316	9.9370	2019-02-14	17:	29	1	198.74	4.761905
## 317	3.1620	2019-02-09	10:	25	1	63.24	4.761905
## 318	18.6975	2019-01-10	11:	34	1	373.95	4.761905
## 319	10.3845	2019-03-11	18:	58	2	207.69	4.761905
## 320	8.8140	2019-02-18	16:	28	3	176.28	4.761905
## 321	10.3185	2019-02-26	20:	26	1	206.37	4.761905
## 322	1.9710	2019-01-18	15:	08	1	39.42	4.761905
## 323	4.5780	2019-02-15	18:	03	3	91.56	4.761905
## 324	15.4425	2019-03-08	13:	21	1	308.85	4.761905
## 325	6.4560	2019-01-17	12:	48	2	129.12	4.761905
## 326	19.5480	2019-03-12	19:	53	3	390.96	4.761905
## 327	24.9450	2019-03-09	19:	09	1	498.90	4.761905
## 328	18.8520	2019-03-12	16:	30	1	377.04	4.761905
## 329	10.2260	2019-01-25	10:	11	2	204.52	4.761905
## 330	7.2720	2019-03-25	13:	07	1	145.44	4.761905
## 331	9.9090	2019-02-07	18:	48	1	198.18	4.761905
## 332	4.9350	2019-02-17	17:	27	2	98.70	4.761905
## 333	19.2550	2019-02-03	15:	59	1	385.10	4.761905
## 334	2.3480	2019-03-14	11:	21	2	46.96	4.761905
## 335	3.6750	2019-03-24	13:	48	3	73.50	4.761905
## 336	7.1125	2019-03-21	10:	17	2	142.25	4.761905
## 337	34.3800	2019-03-19	15:	49	3	687.60	4.761905
## 338	17.3850	2019-02-24	13:	02	1	347.70	4.761905
## 339	7.1475	2019-03-28	12:	58	2	142.95	4.761905
## 340	19.2690	2019-02-05	15:	26	2	385.38	4.761905
## 341	7.2135	2019-02-10	18:	23	2	144.27	4.761905
## 342	19.5895	2019-03-05	19:	06	3	391.79	4.761905
## 343	26.9150	2019-02-15	20:	21	1	538.30	4.761905
## 344	24.2575	2019-01-30	16:	24	3	485.15	4.761905
## 345	6.6975	2019-02-14	15:	04	1	133.95	4.761905
## 346	35.0685	2019-02-27	16:	10	3	701.37	4.761905
## 347	3.5975	2019-02-04	12:	14	1	71.95	4.761905
## 348	35.7000	2019-01-20	10:	13	1	714.00	4.761905
## 349	9.1070	2019-03-28	17:	38	1	182.14	4.761905
## 350	6.7500	2019-02-27	11:	06	2	135.00	4.761905
## 351	49.6500	2019-02-15	14:	53	2	993.00	4.761905
## 352	18.0915	2019-01-26	18:	22	1	361.83	4.761905
## 353	19.1555	2019-03-14	19:	02	2	383.11	4.761905
## 354	12.1500	2019-03-02	14:	16	1	243.00	4.761905
## 355	1.5120	2019-03-04	15:	44	1	30.24	4.761905
## 356	17.8280	2019-01-07	12:	20	2	356.56	4.761905

## 357	18.7750	2019-03-08	20:	01	2 375.50	4.761905
## 358	47.7200	2019-01-09	13:	45	1 954.40	4.761905
## 359	4.1250	2019-03-01	15:	40	3 82.50	4.761905
## 360	3.7485	2019-03-16	16:	58	1 74.97	4.761905
## 361	32.3840	2019-02-17	11:	12	2 647.68	4.761905
## 362	37.7880	2019-02-27	15:	12	1 755.76	4.761905
## 363	9.9790	2019-03-07	20:	37	3 199.58	4.761905
## 364	21.9660	2019-01-21	17:	44	1 439.32	4.761905
## 365	8.2480	2019-02-19	16:	23	1 164.96	4.761905
## 366	16.3360	2019-01-06	12:	12	1 326.72	4.761905
## 367	23.0940	2019-03-14	19:	33	1 461.88	4.761905
## 368	13.1880	2019-03-24	10:	29	1 263.76	4.761905
## 369	7.1800	2019-01-27	14:	28	1 143.60	4.761905
## 370	9.6750	2019-03-06	12:	46	2 193.50	4.761905
## 371	9.1910	2019-02-02	19:	40	1 183.82	4.761905
## 372	6.0960	2019-01-25	19:	39	2 121.92	4.761905
## 373	21.0330	2019-03-14	17:	54	3 420.66	4.761905
## 374	12.6240	2019-01-29	12:	25	1 252.48	4.761905
## 375	16.7725	2019-01-03	16:	47	2 335.45	4.761905
## 376	24.1750	2019-01-14	12:	52	3 483.50	4.761905
## 377	15.9210	2019-01-05	19:	50	2 318.42	4.761905
## 378	33.4215	2019-02-22	18:	17	3 668.43	4.761905
## 379	19.3960	2019-02-06	17:	20	3 387.92	4.761905
## 380	4.7300	2019-01-30	13:	32	2 94.60	4.761905
## 381	16.4660	2019-01-11	10:	37	2 329.32	4.761905
## 382	2.6610	2019-03-19	14:	35	1 53.22	4.761905
## 383	24.9225	2019-01-14	12:	09	1 498.45	4.761905
## 384	14.9780	2019-03-01	15:	32	3 299.56	4.761905
## 385	10.2350	2019-01-06	13:	58	3 204.70	4.761905
## 386	3.7910	2019-01-31	13:	19	1 75.82	4.761905
## 387	14.0310	2019-03-11	13:	37	1 280.62	4.761905
## 388	16.1600	2019-02-20	16:	49	2 323.20	4.761905
## 389	24.3315	2019-01-27	14:	55	3 486.63	4.761905
## 390	6.3770	2019-03-10	14:	04	2 127.54	4.761905
## 391	12.0720	2019-02-15	12:	31	1 241.44	4.761905
## 392	18.9750	2019-01-26	14:	51	1 379.50	4.761905
## 393	3.8410	2019-02-13	18:	27	3 76.82	4.761905
## 394	26.1300	2019-03-09	12:	45	2 522.60	4.761905
## 395	3.9870	2019-03-06	10:	36	3 79.74	4.761905
## 396	19.3750	2019-01-24	20:	36	3 387.50	4.761905
## 397	13.5675	2019-03-13	14:	16	3 271.35	4.761905
## 398	6.1155	2019-03-15	10:	26	1 122.31	4.761905
## 399	12.3180	2019-03-05	13:	30	2 246.36	4.761905
## 400	8.6580	2019-03-04	16:	28	1 173.16	4.761905
## 401	11.8290	2019-03-25	20:	18	2 236.58	4.761905
## 402	9.2440	2019-03-12	20:	04	2 184.88	4.761905
## 403	0.6990	2019-02-04	13:	38	3 13.98	4.761905
## 404	9.9375	2019-02-22	10:	43	3 198.75	4.761905
## 405	34.2265	2019-02-16	17:	30	3 684.53	4.761905
## 406	13.4520	2019-01-19	15:	28	2 269.04	4.761905
## 407	3.4475	2019-01-11	19:	07	2 68.95	4.761905
## 408	13.7420	2019-01-04	19:	01	1 274.84	4.761905
## 409	11.3060	2019-03-04	19:	48	3 226.12	4.761905
## 410	5.9550	2019-01-28	19:	24	3 119.10	4.761905

## 411	17.1050	2019-01-02	13:	00	1	342.10	4.761905
## 412	2.1870	2019-01-25	14:	29	3	43.74	4.761905
## 413	5.2425	2019-01-04	13:	21	1	104.85	4.761905
## 414	3.8760	2019-03-10	18:	55	3	77.52	4.761905
## 415	20.3720	2019-03-22	19:	36	3	407.44	4.761905
## 416	4.8055	2019-01-25	16:	28	3	96.11	4.761905
## 417	9.0760	2019-01-08	13:	48	2	181.52	4.761905
## 418	4.0755	2019-01-22	10:	57	3	81.51	4.761905
## 419	5.7220	2019-01-12	17:	13	3	114.44	4.761905
## 420	8.8270	2019-02-04	10:	23	1	176.54	4.761905
## 421	5.7900	2019-03-28	13:	57	3	115.80	4.761905
## 422	12.6075	2019-01-23	13:	29	1	252.15	4.761905
## 423	48.6050	2019-02-08	13:	00	2	972.10	4.761905
## 424	10.1680	2019-03-19	19:	42	2	203.36	4.761905
## 425	0.8140	2019-03-09	15:	36	1	16.28	4.761905
## 426	18.2745	2019-01-02	13:	40	1	365.49	4.761905
## 427	18.6095	2019-01-21	18:	01	1	372.19	4.761905
## 428	3.1305	2019-03-20	13:	53	2	62.61	4.761905
## 429	16.8175	2019-02-27	17:	27	1	336.35	4.761905
## 430	45.3250	2019-03-08	10:	53	3	906.50	4.761905
## 431	6.9080	2019-01-31	19:	48	2	138.16	4.761905
## 432	4.3270	2019-03-08	16:	53	3	86.54	4.761905
## 433	7.0380	2019-01-13	19:	14	3	140.76	4.761905
## 434	33.4390	2019-03-09	14:	36	2	668.78	4.761905
## 435	2.3720	2019-02-22	18:	19	2	47.44	4.761905
## 436	44.6580	2019-03-19	19:	09	3	893.16	4.761905
## 437	16.5860	2019-01-20	16:	51	3	331.72	4.761905
## 438	10.1970	2019-03-08	15:	37	2	203.94	4.761905
## 439	3.4080	2019-03-08	20:	15	3	68.16	4.761905
## 440	16.3440	2019-02-07	14:	38	2	326.88	4.761905
## 441	4.3600	2019-01-15	19:	25	1	87.20	4.761905
## 442	35.3720	2019-03-22	19:	35	2	707.44	4.761905
## 443	40.1445	2019-01-15	15:	42	2	802.89	4.761905
## 444	0.6390	2019-01-08	14:	11	3	12.78	4.761905
## 445	6.6850	2019-01-15	10:	43	1	133.70	4.761905
## 446	0.9575	2019-01-28	17:	58	2	19.15	4.761905
## 447	13.8300	2019-02-14	11:	26	2	276.60	4.761905
## 448	6.8610	2019-03-10	17:	38	2	137.22	4.761905
## 449	1.3535	2019-01-12	20:	07	2	27.07	4.761905
## 450	1.9560	2019-03-26	11:	02	2	39.12	4.761905
## 451	22.4130	2019-01-01	19:	07	1	448.26	4.761905
## 452	6.6030	2019-01-02	18:	50	1	132.06	4.761905
## 453	15.9025	2019-03-16	12:	43	3	318.05	4.761905
## 454	1.2500	2019-03-03	15:	09	3	25.00	4.761905
## 455	4.1540	2019-01-31	13:	47	1	83.08	4.761905
## 456	7.3900	2019-02-13	16:	59	1	147.80	4.761905
## 457	34.8300	2019-02-15	14:	15	2	696.60	4.761905
## 458	39.6950	2019-02-07	20:	24	1	793.90	4.761905
## 459	23.2850	2019-01-27	13:	58	1	465.70	4.761905
## 460	1.7945	2019-02-23	16:	52	2	35.89	4.761905
## 461	10.1300	2019-02-03	15:	19	1	202.60	4.761905
## 462	36.5250	2019-03-03	12:	25	2	730.50	4.761905
## 463	14.7900	2019-02-03	10:	02	1	295.80	4.761905
## 464	1.1310	2019-03-17	18:	58	1	22.62	4.761905

## 465	12.8350	2019-03-28	15:	31	2 256.70	4.761905
## 466	27.2750	2019-03-02	11:	22	2 545.50	4.761905
## 467	13.0025	2019-02-08	13:	12	2 260.05	4.761905
## 468	11.1060	2019-03-22	18:	33	1 222.12	4.761905
## 469	1.0790	2019-02-09	10:	02	3 21.58	4.761905
## 470	4.9420	2019-02-15	11:	21	1 98.84	4.761905
## 471	25.1310	2019-01-23	12:	10	3 502.62	4.761905
## 472	8.0100	2019-01-25	11:	40	1 160.20	4.761905
## 473	21.5650	2019-02-02	18:	31	2 431.30	4.761905
## 474	29.0280	2019-03-30	17:	58	1 580.56	4.761905
## 475	16.1100	2019-03-30	17:	04	1 322.20	4.761905
## 476	9.7770	2019-02-25	20:	35	2 195.54	4.761905
## 477	8.3150	2019-03-18	16:	10	2 166.30	4.761905
## 478	16.8140	2019-03-07	16:	54	3 336.28	4.761905
## 479	17.1850	2019-03-16	10:	11	3 343.70	4.761905
## 480	1.9300	2019-01-29	11:	26	3 38.60	4.761905
## 481	26.3880	2019-02-02	20:	29	1 527.76	4.761905
## 482	16.4000	2019-02-15	12:	12	1 328.00	4.761905
## 483	9.2850	2019-01-08	13:	05	3 185.70	4.761905
## 484	30.1900	2019-02-12	16:	19	1 603.80	4.761905
## 485	18.4900	2019-01-01	19:	48	2 369.80	4.761905
## 486	9.8980	2019-03-21	15:	25	3 197.96	4.761905
## 487	20.5450	2019-02-28	14:	42	1 410.90	4.761905
## 488	7.4300	2019-03-23	18:	59	3 148.60	4.761905
## 489	1.1480	2019-01-30	20:	47	1 22.96	4.761905
## 490	34.9560	2019-02-04	13:	21	3 699.12	4.761905
## 491	3.4700	2019-03-13	19:	48	3 69.40	4.761905
## 492	9.8300	2019-03-15	18:	20	2 196.60	4.761905
## 493	10.1280	2019-03-05	20:	24	3 202.56	4.761905
## 494	6.0600	2019-03-05	13:	44	2 121.20	4.761905
## 495	9.9890	2019-02-26	11:	48	3 199.78	4.761905
## 496	30.3680	2019-03-20	14:	14	1 607.36	4.761905
## 497	6.3220	2019-01-01	15:	51	1 126.44	4.761905
## 498	27.0720	2019-01-27	11:	17	1 541.44	4.761905
## 499	4.9065	2019-01-21	17:	36	1 98.13	4.761905
## 500	20.6080	2019-02-02	15:	47	1 412.16	4.761905
## 501	3.6985	2019-02-03	15:	53	2 73.97	4.761905
## 502	1.5950	2019-01-05	12:	40	3 31.90	4.761905
## 503	6.9400	2019-01-27	19:	48	3 138.80	4.761905
## 504	9.3310	2019-03-25	17:	53	1 186.62	4.761905
## 505	4.4225	2019-02-25	16:	36	2 88.45	4.761905
## 506	9.6720	2019-01-28	20:	54	3 193.44	4.761905
## 507	7.2750	2019-01-08	12:	50	1 145.50	4.761905
## 508	25.2150	2019-01-29	10:	48	2 504.30	4.761905
## 509	15.3225	2019-03-29	14:	28	1 306.45	4.761905
## 510	4.7850	2019-02-09	17:	15	2 95.70	4.761905
## 511	31.7590	2019-01-16	18:	03	2 635.18	4.761905
## 512	10.7275	2019-01-05	17:	29	3 214.55	4.761905
## 513	18.9980	2019-01-27	18:	05	3 379.96	4.761905
## 514	34.8425	2019-03-14	12:	07	1 696.85	4.761905
## 515	20.4365	2019-02-23	19:	49	2 408.73	4.761905
## 516	2.5735	2019-03-18	15:	52	3 51.47	4.761905
## 517	13.7150	2019-03-29	16:	48	3 274.30	4.761905
## 518	9.8475	2019-01-22	20:	46	2 196.95	4.761905

## 519	3.4730	2019-03-01	18:	14	3	69.46	4.761905
## 520	17.9800	2019-01-17	15:	05	2	359.60	4.761905
## 521	6.8565	2019-03-26	10:	34	2	137.13	4.761905
## 522	24.9510	2019-03-20	11:	23	1	499.02	4.761905
## 523	11.2320	2019-02-06	13:	55	2	224.64	4.761905
## 524	6.2870	2019-01-01	11:	43	1	125.74	4.761905
## 525	24.5130	2019-01-27	14:	36	2	490.26	4.761905
## 526	22.8525	2019-02-25	16:	03	3	457.05	4.761905
## 527	7.8420	2019-01-16	20:	03	2	156.84	4.761905
## 528	5.9860	2019-01-13	14:	55	3	119.72	4.761905
## 529	27.1800	2019-02-07	11:	28	2	543.60	4.761905
## 530	44.1405	2019-02-17	19:	41	1	882.81	4.761905
## 531	7.6290	2019-02-12	19:	01	3	152.58	4.761905
## 532	34.6720	2019-01-24	18:	04	2	693.44	4.761905
## 533	11.4750	2019-02-06	19:	20	3	229.50	4.761905
## 534	7.3395	2019-03-26	10:	31	3	146.79	4.761905
## 535	7.0800	2019-03-11	13:	28	3	141.60	4.761905
## 536	5.8345	2019-02-07	11:	36	3	116.69	4.761905
## 537	3.6980	2019-01-05	11:	32	2	73.96	4.761905
## 538	4.8970	2019-03-07	11:	44	3	97.94	4.761905
## 539	14.6100	2019-02-25	17:	16	2	292.20	4.761905
## 540	26.2440	2019-02-01	18:	43	3	524.88	4.761905
## 541	4.6020	2019-01-22	11:	00	3	92.04	4.761905
## 542	3.7940	2019-01-03	10:	30	2	75.88	4.761905
## 543	4.0360	2019-02-13	12:	14	2	80.72	4.761905
## 544	5.6310	2019-01-28	16:	43	2	112.62	4.761905
## 545	3.5600	2019-01-05	20:	40	2	71.20	4.761905
## 546	7.7620	2019-03-19	13:	40	3	155.24	4.761905
## 547	14.7100	2019-01-12	16:	23	3	294.20	4.761905
## 548	27.4275	2019-01-07	12:	08	2	548.55	4.761905
## 549	12.8850	2019-01-26	17:	45	1	257.70	4.761905
## 550	19.8180	2019-01-23	10:	28	1	396.36	4.761905
## 551	8.5905	2019-02-09	20:	31	3	171.81	4.761905
## 552	24.4395	2019-02-22	10:	49	1	488.79	4.761905
## 553	26.2080	2019-02-05	12:	34	1	524.16	4.761905
## 554	6.6630	2019-03-07	10:	23	2	133.26	4.761905
## 555	6.7620	2019-03-25	18:	51	1	135.24	4.761905
## 556	5.6220	2019-01-20	13:	45	2	112.44	4.761905
## 557	7.2040	2019-02-04	19:	38	1	144.08	4.761905
## 558	49.2600	2019-01-30	20:	23	3	985.20	4.761905
## 559	12.4980	2019-01-02	15:	24	3	249.96	4.761905
## 560	10.8630	2019-03-29	16:	54	3	217.26	4.761905
## 561	9.7110	2019-03-14	12:	32	1	194.22	4.761905
## 562	44.6000	2019-02-11	15:	42	2	892.00	4.761905
## 563	16.9680	2019-01-30	13:	58	3	339.36	4.761905
## 564	22.3530	2019-03-20	15:	08	3	447.06	4.761905
## 565	9.9250	2019-03-20	13:	02	1	198.50	4.761905
## 566	40.6050	2019-01-17	13:	01	2	812.10	4.761905
## 567	24.6650	2019-02-03	16:	40	2	493.30	4.761905
## 568	29.5830	2019-01-01	13:	55	1	591.66	4.761905
## 569	27.9510	2019-01-10	10:	33	2	559.02	4.761905
## 570	25.8930	2019-03-02	16:	42	3	517.86	4.761905
## 571	20.5100	2019-02-25	17:	16	2	410.20	4.761905
## 572	13.3350	2019-01-29	11:	48	1	266.70	4.761905

## 573	3.5455	2019-03-10	19:	35	3	70.91	4.761905
## 574	7.2390	2019-01-13	19:	55	2	144.78	4.761905
## 575	21.4775	2019-03-22	14:	33	2	429.55	4.761905
## 576	28.4585	2019-03-01	19:	49	3	569.17	4.761905
## 577	12.0600	2019-02-20	18:	43	1	241.20	4.761905
## 578	6.3540	2019-01-14	14:	43	3	127.08	4.761905
## 579	12.8540	2019-03-26	13:	54	1	257.08	4.761905
## 580	6.9510	2019-03-01	12:	15	3	139.02	4.761905
## 581	4.0830	2019-01-07	12:	37	1	81.66	4.761905
## 582	15.5360	2019-02-01	19:	54	1	310.72	4.761905
## 583	9.2980	2019-02-13	15:	06	2	185.96	4.761905
## 584	3.6160	2019-01-14	18:	03	2	72.32	4.761905
## 585	9.4590	2019-01-19	15:	58	3	189.18	4.761905
## 586	10.3420	2019-03-09	13:	53	2	206.84	4.761905
## 587	7.8510	2019-03-27	14:	03	1	157.02	4.761905
## 588	10.7650	2019-02-04	16:	38	3	215.30	4.761905
## 589	29.8050	2019-03-14	11:	07	1	596.10	4.761905
## 590	3.6550	2019-03-04	12:	23	1	73.10	4.761905
## 591	13.9590	2019-03-03	10:	54	2	279.18	4.761905
## 592	8.4840	2019-01-27	17:	38	3	169.68	4.761905
## 593	2.2790	2019-02-07	14:	13	1	45.58	4.761905
## 594	11.2800	2019-02-05	11:	51	3	225.60	4.761905
## 595	14.5200	2019-03-15	13:	05	1	290.40	4.761905
## 596	2.2230	2019-03-01	11:	30	2	44.46	4.761905
## 597	7.8300	2019-02-15	13:	30	2	156.60	4.761905
## 598	20.9970	2019-02-17	19:	11	3	419.94	4.761905
## 599	9.2125	2019-01-26	18:	53	1	184.25	4.761905
## 600	7.0320	2019-03-24	14:	22	3	140.64	4.761905
## 601	4.1540	2019-01-23	17:	16	3	83.08	4.761905
## 602	3.2495	2019-01-26	10:	06	2	64.99	4.761905
## 603	38.7800	2019-03-14	20:	35	3	775.60	4.761905
## 604	16.3530	2019-03-17	13:	54	3	327.06	4.761905
## 605	18.1615	2019-01-08	20:	08	1	363.23	4.761905
## 606	6.3500	2019-02-08	15:	26	1	127.00	4.761905
## 607	18.7775	2019-02-10	12:	56	3	375.55	4.761905
## 608	9.9580	2019-03-28	19:	16	2	199.16	4.761905
## 609	1.5305	2019-01-23	12:	20	3	30.61	4.761905
## 610	5.7890	2019-01-17	10:	37	3	115.78	4.761905
## 611	1.4480	2019-02-07	10:	18	2	28.96	4.761905
## 612	44.5365	2019-03-09	11:	23	1	890.73	4.761905
## 613	13.9830	2019-01-24	11:	45	1	279.66	4.761905
## 614	4.0465	2019-01-19	16:	08	2	80.93	4.761905
## 615	33.7250	2019-02-03	11:	25	3	674.50	4.761905
## 616	17.4240	2019-03-20	12:	24	3	348.48	4.761905
## 617	21.7800	2019-01-13	19:	51	1	435.60	4.761905
## 618	21.9775	2019-03-14	18:	10	3	439.55	4.761905
## 619	29.5590	2019-01-23	11:	22	2	591.18	4.761905
## 620	13.0380	2019-02-07	17:	55	3	260.76	4.761905
## 621	10.7520	2019-03-28	15:	30	2	215.04	4.761905
## 622	4.5805	2019-03-20	19:	44	1	91.61	4.761905
## 623	33.1065	2019-01-17	15:	27	2	662.13	4.761905
## 624	41.6250	2019-01-12	11:	25	2	832.50	4.761905
## 625	4.5675	2019-02-16	15:	42	1	91.35	4.761905
## 626	7.8880	2019-01-26	16:	04	1	157.76	4.761905

## 627	6.0870	2019-03-09	12:	37	3	121.74	4.761905
## 628	41.2900	2019-03-14	14:	41	1	825.80	4.761905
## 629	7.9950	2019-01-25	14:	19	3	159.90	4.761905
## 630	0.6045	2019-01-26	18:	19	2	12.09	4.761905
## 631	32.0950	2019-01-19	14:	08	2	641.90	4.761905
## 632	11.7465	2019-03-05	16:	38	3	234.93	4.761905
## 633	8.3770	2019-01-15	10:	54	2	167.54	4.761905
## 634	14.9550	2019-03-18	11:	29	3	299.10	4.761905
## 635	11.9865	2019-03-20	19:	28	2	239.73	4.761905
## 636	33.2350	2019-01-15	15:	01	2	664.70	4.761905
## 637	10.1325	2019-03-03	20:	31	2	202.65	4.761905
## 638	2.3100	2019-03-19	12:	16	1	46.20	4.761905
## 639	4.4075	2019-03-08	15:	27	1	88.15	4.761905
## 640	7.8630	2019-02-27	17:	36	3	157.26	4.761905
## 641	14.8185	2019-02-23	20:	00	3	296.37	4.761905
## 642	35.4200	2019-03-19	15:	29	3	708.40	4.761905
## 643	5.5670	2019-03-27	15:	08	3	111.34	4.761905
## 644	29.0080	2019-03-30	19:	26	2	580.16	4.761905
## 645	3.0125	2019-02-16	15:	53	3	60.25	4.761905
## 646	8.7120	2019-01-18	18:	43	3	174.24	4.761905
## 647	21.0630	2019-03-30	14:	58	1	421.26	4.761905
## 648	1.6815	2019-03-20	19:	55	1	33.63	4.761905
## 649	1.5490	2019-01-16	15:	10	1	30.98	4.761905
## 650	12.3700	2019-02-24	16:	44	1	247.40	4.761905
## 651	18.9150	2019-01-15	18:	22	3	378.30	4.761905
## 652	16.7430	2019-01-22	11:	52	1	334.86	4.761905
## 653	36.3900	2019-02-03	17:	24	1	727.80	4.761905
## 654	16.7940	2019-03-06	15:	31	3	335.88	4.761905
## 655	12.0360	2019-02-16	18:	04	2	240.72	4.761905
## 656	2.3535	2019-03-14	14:	13	2	47.07	4.761905
## 657	4.9845	2019-02-27	10:	23	2	99.69	4.761905
## 658	13.2225	2019-01-18	10:	11	3	264.45	4.761905
## 659	6.9825	2019-01-29	15:	48	1	139.65	4.761905
## 660	2.7725	2019-02-26	17:	46	2	55.45	4.761905
## 661	6.4455	2019-02-03	11:	46	1	128.91	4.761905
## 662	5.9990	2019-01-16	12:	07	2	119.98	4.761905
## 663	17.6250	2019-03-24	18:	14	2	352.50	4.761905
## 664	43.5500	2019-02-12	14:	45	2	871.00	4.761905
## 665	9.8800	2019-02-21	11:	39	1	197.60	4.761905
## 666	9.7260	2019-02-04	15:	44	3	194.52	4.761905
## 667	8.6610	2019-02-20	13:	06	3	173.22	4.761905
## 668	3.5940	2019-02-23	20:	43	3	71.88	4.761905
## 669	14.3130	2019-02-16	14:	19	3	286.26	4.761905
## 670	4.0620	2019-01-17	10:	01	2	81.24	4.761905
## 671	28.0200	2019-01-14	19:	30	3	560.40	4.761905
## 672	9.3400	2019-03-30	16:	34	1	186.80	4.761905
## 673	11.0115	2019-03-02	13:	10	3	220.23	4.761905
## 674	13.4560	2019-02-15	17:	10	2	269.12	4.761905
## 675	22.7400	2019-03-01	10:	22	2	454.80	4.761905
## 676	8.3770	2019-02-24	19:	57	1	167.54	4.761905
## 677	22.4280	2019-02-19	19:	29	2	448.56	4.761905
## 678	14.6940	2019-02-23	18:	30	1	293.88	4.761905
## 679	29.4750	2019-02-07	14:	27	3	589.50	4.761905
## 680	14.5500	2019-01-11	13:	57	3	291.00	4.761905

## 681	1.9740	2019-02-12	19:	43	1	39.48	4.761905
## 682	1.7405	2019-01-14	10:	11	2	34.81	4.761905
## 683	14.7960	2019-01-09	13:	46	3	295.92	4.761905
## 684	2.1480	2019-02-27	12:	22	3	42.96	4.761905
## 685	6.9240	2019-01-24	19:	20	3	138.48	4.761905
## 686	4.9100	2019-01-08	12:	58	2	98.20	4.761905
## 687	6.4830	2019-01-08	11:	59	2	129.66	4.761905
## 688	31.7800	2019-01-16	17:	59	1	635.60	4.761905
## 689	7.2880	2019-03-13	12:	51	1	145.76	4.761905
## 690	10.0650	2019-02-15	10:	36	1	201.30	4.761905
## 691	31.5855	2019-01-25	13:	38	1	631.71	4.761905
## 692	19.2640	2019-03-12	19:	39	3	385.28	4.761905
## 693	24.3150	2019-03-04	12:	44	1	486.30	4.761905
## 694	25.6830	2019-02-10	13:	56	1	513.66	4.761905
## 695	23.6700	2019-01-16	14:	42	1	473.40	4.761905
## 696	21.8425	2019-01-29	19:	45	1	436.85	4.761905
## 697	5.4080	2019-01-01	20:	26	3	108.16	4.761905
## 698	12.4380	2019-01-06	19:	46	3	248.76	4.761905
## 699	31.3110	2019-02-19	19:	38	2	626.22	4.761905
## 700	48.7500	2019-01-12	16:	18	3	975.00	4.761905
## 701	24.1640	2019-02-07	12:	23	3	483.28	4.761905
## 702	4.8480	2019-03-27	19:	11	2	96.96	4.761905
## 703	9.8850	2019-02-27	18:	57	2	197.70	4.761905
## 704	36.2115	2019-01-06	11:	18	1	724.23	4.761905
## 705	39.7755	2019-03-02	12:	40	1	795.51	4.761905
## 706	25.1195	2019-03-29	14:	06	1	502.39	4.761905
## 707	8.6000	2019-01-31	20:	48	3	172.00	4.761905
## 708	3.4490	2019-01-21	20:	13	1	68.98	4.761905
## 709	6.2480	2019-01-20	20:	37	3	124.96	4.761905
## 710	3.8550	2019-01-17	17:	59	3	77.10	4.761905
## 711	24.1860	2019-02-28	20:	18	1	483.72	4.761905
## 712	15.1060	2019-03-19	15:	52	3	302.12	4.761905
## 713	34.9335	2019-02-19	15:	14	3	698.67	4.761905
## 714	6.2325	2019-02-04	12:	50	3	124.65	4.761905
## 715	39.4800	2019-01-31	10:	36	3	789.60	4.761905
## 716	8.9200	2019-02-06	18:	33	2	178.40	4.761905
## 717	25.0110	2019-03-28	16:	06	3	500.22	4.761905
## 718	1.7910	2019-01-19	12:	47	2	35.82	4.761905
## 719	6.8070	2019-02-17	13:	34	2	136.14	4.761905
## 720	5.2440	2019-01-18	15:	04	2	104.88	4.761905
## 721	8.9460	2019-02-02	20:	42	1	178.92	4.761905
## 722	40.7835	2019-01-18	15:	28	1	815.67	4.761905
## 723	6.6180	2019-03-18	13:	45	2	132.36	4.761905
## 724	12.8695	2019-01-11	20:	10	1	257.39	4.761905
## 725	4.6680	2019-02-04	18:	53	3	93.36	4.761905
## 726	11.4000	2019-02-06	14:	24	1	228.00	4.761905
## 727	8.3355	2019-01-08	11:	42	2	166.71	4.761905
## 728	34.8700	2019-03-05	17:	49	2	697.40	4.761905
## 729	19.4520	2019-03-16	15:	33	3	389.04	4.761905
## 730	18.2630	2019-03-09	10:	54	1	365.26	4.761905
## 731	4.4640	2019-03-01	16:	23	2	89.28	4.761905
## 732	8.4000	2019-02-28	19:	33	3	168.00	4.761905
## 733	0.9850	2019-02-08	11:	39	3	19.70	4.761905
## 734	26.5580	2019-01-24	10:	38	3	531.16	4.761905

## 735	2.6860	2019-03-01	20:	03	3	53.72	4.761905
## 736	40.9750	2019-03-10	12:	39	2	819.50	4.761905
## 737	28.4200	2019-03-23	15:	59	2	568.40	4.761905
## 738	29.3800	2019-01-29	14:	26	3	587.60	4.761905
## 739	36.6240	2019-01-12	18:	22	3	732.48	4.761905
## 740	42.2820	2019-03-20	11:	32	1	845.64	4.761905
## 741	19.4635	2019-03-23	12:	41	1	389.27	4.761905
## 742	4.2415	2019-01-14	15:	20	3	84.83	4.761905
## 743	7.1630	2019-02-12	14:	33	3	143.26	4.761905
## 744	3.7690	2019-02-20	15:	29	3	75.38	4.761905
## 745	12.6680	2019-01-02	16:	19	2	253.36	4.761905
## 746	1.9210	2019-02-02	16:	33	1	38.42	4.761905
## 747	32.6150	2019-01-08	19:	07	2	652.30	4.761905
## 748	2.6325	2019-01-30	14:	43	2	52.65	4.761905
## 749	5.5305	2019-03-26	19:	28	2	110.61	4.761905
## 750	28.4305	2019-01-15	20:	44	1	568.61	4.761905
## 751	4.4640	2019-03-14	11:	16	3	89.28	4.761905
## 752	6.8200	2019-02-03	10:	31	2	136.40	4.761905
## 753	8.7100	2019-02-22	12:	30	3	174.20	4.761905
## 754	18.3200	2019-01-24	15:	05	3	366.40	4.761905
## 755	12.7305	2019-01-25	18:	30	3	254.61	4.761905
## 756	38.9160	2019-03-09	13:	18	2	778.32	4.761905
## 757	14.2960	2019-02-17	15:	28	3	285.92	4.761905
## 758	28.9560	2019-01-11	11:	52	1	579.12	4.761905
## 759	9.4250	2019-02-27	18:	24	3	188.50	4.761905
## 760	11.0780	2019-03-25	15:	19	3	221.56	4.761905
## 761	38.6000	2019-02-11	10:	38	2	772.00	4.761905
## 762	36.0650	2019-01-31	15:	12	2	721.30	4.761905
## 763	25.5520	2019-01-20	17:	48	3	511.04	4.761905
## 764	2.6725	2019-03-26	11:	07	3	53.45	4.761905
## 765	11.1000	2019-01-20	15:	48	2	222.00	4.761905
## 766	38.1840	2019-03-05	19:	40	3	763.68	4.761905
## 767	11.4090	2019-01-05	20:	30	2	228.18	4.761905
## 768	4.1070	2019-02-13	13:	59	1	82.14	4.761905
## 769	19.1280	2019-03-16	18:	51	1	382.56	4.761905
## 770	3.4290	2019-01-15	17:	24	1	68.58	4.761905
## 771	19.1080	2019-02-26	11:	58	3	382.16	4.761905
## 772	30.0545	2019-02-27	19:	01	2	601.09	4.761905
## 773	23.7965	2019-02-17	16:	50	3	475.93	4.761905
## 774	2.6210	2019-02-06	10:	22	2	52.42	4.761905
## 775	6.5650	2019-01-17	16:	46	1	131.30	4.761905
## 776	7.2150	2019-01-22	18:	08	2	144.30	4.761905
## 777	22.8585	2019-03-05	18:	02	2	457.17	4.761905
## 778	4.6690	2019-01-03	13:	07	1	93.38	4.761905
## 779	6.3125	2019-03-20	17:	52	1	126.25	4.761905
## 780	39.5415	2019-01-31	20:	32	3	790.83	4.761905
## 781	8.7200	2019-02-19	19:	24	1	174.40	4.761905
## 782	18.9520	2019-02-11	16:	06	3	379.04	4.761905
## 783	1.5310	2019-02-05	14:	14	2	30.62	4.761905
## 784	17.6040	2019-03-03	17:	36	1	352.08	4.761905
## 785	2.5400	2019-02-24	13:	08	3	50.80	4.761905
## 786	26.1030	2019-02-04	16:	09	2	522.06	4.761905
## 787	28.7560	2019-02-19	11:	33	3	575.12	4.761905
## 788	2.7475	2019-01-23	10:	18	2	54.95	4.761905

## 789	9.0705	2019-01-14	10:	55	2 181.41	4.761905
## 790	20.6185	2019-01-17	15:	15	3 412.37	4.761905
## 791	2.3205	2019-03-03	20:	06	2 46.41	4.761905
## 792	13.7100	2019-02-15	20:	21	2 274.20	4.761905
## 793	48.6850	2019-01-15	13:	48	2 973.70	4.761905
## 794	32.4100	2019-02-27	12:	52	2 648.20	4.761905
## 795	4.6610	2019-02-26	12:	28	2 93.22	4.761905
## 796	2.7180	2019-03-15	16:	26	3 54.36	4.761905
## 797	3.0435	2019-01-24	13:	24	1 60.87	4.761905
## 798	12.2450	2019-02-22	15:	15	1 244.90	4.761905
## 799	4.6390	2019-03-15	10:	50	2 92.78	4.761905
## 800	21.6725	2019-02-11	18:	38	3 433.45	4.761905
## 801	6.9030	2019-01-12	16:	45	3 138.06	4.761905
## 802	12.0800	2019-03-03	19:	30	3 241.60	4.761905
## 803	23.5865	2019-03-23	13:	23	3 471.73	4.761905
## 804	22.0320	2019-03-04	11:	27	1 440.64	4.761905
## 805	34.0155	2019-02-23	11:	12	1 680.31	4.761905
## 806	15.4940	2019-03-17	16:	36	1 309.88	4.761905
## 807	9.3180	2019-01-16	18:	41	2 186.36	4.761905
## 808	10.0460	2019-01-08	17:	12	1 200.92	4.761905
## 809	0.8875	2019-01-14	10:	38	1 17.75	4.761905
## 810	31.0900	2019-01-31	10:	33	3 621.80	4.761905
## 811	4.3000	2019-03-15	14:	38	3 86.00	4.761905
## 812	20.1300	2019-02-24	18:	06	2 402.60	4.761905
## 813	16.2425	2019-02-08	12:	52	2 324.85	4.761905
## 814	4.7575	2019-03-22	14:	00	1 95.15	4.761905
## 815	19.4480	2019-01-24	10:	57	1 388.96	4.761905
## 816	21.2840	2019-03-14	16:	45	3 425.68	4.761905
## 817	15.9040	2019-01-23	11:	15	1 318.08	4.761905
## 818	13.5520	2019-01-19	20:	29	3 271.04	4.761905
## 819	19.2320	2019-01-27	20:	03	2 384.64	4.761905
## 820	11.7900	2019-02-03	14:	35	2 235.80	4.761905
## 821	10.5780	2019-03-25	16:	32	3 211.56	4.761905
## 822	4.7680	2019-02-24	10:	10	2 95.36	4.761905
## 823	0.5085	2019-02-07	14:	15	1 10.17	4.761905
## 824	10.3065	2019-03-04	10:	05	1 206.13	4.761905
## 825	21.0280	2019-02-14	11:	36	2 420.56	4.761905
## 826	4.4020	2019-01-29	18:	15	2 88.04	4.761905
## 827	32.4495	2019-01-28	13:	53	2 648.99	4.761905
## 828	6.1920	2019-03-26	18:	37	2 123.84	4.761905
## 829	32.4750	2019-03-24	18:	27	1 649.50	4.761905
## 830	37.1100	2019-01-01	14:	42	2 742.20	4.761905
## 831	4.2240	2019-01-24	17:	43	1 84.48	4.761905
## 832	12.5140	2019-02-25	18:	37	1 250.28	4.761905
## 833	4.7400	2019-01-09	16:	34	1 94.80	4.761905
## 834	4.5650	2019-02-14	14:	42	3 91.30	4.761905
## 835	14.2555	2019-03-12	11:	01	3 285.11	4.761905
## 836	2.6190	2019-03-26	19:	44	1 52.38	4.761905
## 837	9.6350	2019-01-09	13:	34	3 192.70	4.761905
## 838	13.3890	2019-01-02	20:	08	2 267.78	4.761905
## 839	27.9350	2019-01-15	15:	01	1 558.70	4.761905
## 840	8.7660	2019-01-01	11:	40	3 175.32	4.761905
## 841	7.7910	2019-02-15	15:	21	1 155.82	4.761905
## 842	3.0150	2019-02-28	17:	38	1 60.30	4.761905

## 843	3.9470	2019-03-02	16:	16	2	78.94	4.761905
## 844	1.4870	2019-02-13	18:	15	2	29.74	4.761905
## 845	1.0660	2019-01-26	12:	43	1	21.32	4.761905
## 846	14.0670	2019-01-30	11:	32	2	281.34	4.761905
## 847	3.6630	2019-01-27	18:	08	3	73.26	4.761905
## 848	1.1190	2019-01-30	17:	08	2	22.38	4.761905
## 849	32.7960	2019-01-08	19:	38	1	655.92	4.761905
## 850	29.7300	2019-01-19	13:	11	1	594.60	4.761905
## 851	3.7050	2019-01-25	11:	05	1	74.10	4.761905
## 852	9.8480	2019-02-19	10:	12	3	196.96	4.761905
## 853	18.6165	2019-01-14	15:	42	3	372.33	4.761905
## 854	26.3950	2019-02-25	11:	58	3	527.90	4.761905
## 855	23.9875	2019-01-23	14:	21	3	479.75	4.761905
## 856	16.4295	2019-02-16	10:	52	1	328.59	4.761905
## 857	8.4480	2019-01-01	19:	31	1	168.96	4.761905
## 858	5.6620	2019-03-07	18:	35	1	113.24	4.761905
## 859	17.2770	2019-02-15	13:	51	1	345.54	4.761905
## 860	21.4335	2019-01-23	12:	35	1	428.67	4.761905
## 861	4.3135	2019-02-20	13:	24	3	86.27	4.761905
## 862	1.2760	2019-01-08	18:	06	3	25.52	4.761905
## 863	5.0760	2019-03-17	11:	55	2	101.52	4.761905
## 864	17.8745	2019-01-12	11:	42	1	357.49	4.761905
## 865	11.9385	2019-01-08	14:	30	1	238.77	4.761905
## 866	5.0715	2019-01-26	15:	11	3	101.43	4.761905
## 867	36.2120	2019-03-15	14:	48	2	724.24	4.761905
## 868	6.2820	2019-01-17	12:	36	3	125.64	4.761905
## 869	3.6465	2019-01-08	19:	09	2	72.93	4.761905
## 870	12.9180	2019-01-06	13:	35	3	258.36	4.761905
## 871	8.6870	2019-02-16	10:	33	2	173.74	4.761905
## 872	2.8250	2019-03-13	15:	45	3	56.50	4.761905
## 873	10.7150	2019-01-28	11:	51	1	214.30	4.761905
## 874	26.7180	2019-01-18	17:	26	1	534.36	4.761905
## 875	4.6580	2019-03-19	11:	52	2	93.16	4.761905
## 876	26.1040	2019-03-15	14:	04	3	522.08	4.761905
## 877	2.6175	2019-02-12	17:	49	1	52.35	4.761905
## 878	1.9875	2019-02-25	20:	19	1	39.75	4.761905
## 879	36.0080	2019-03-21	16:	08	2	720.16	4.761905
## 880	4.8400	2019-01-19	10:	17	3	96.80	4.761905
## 881	16.6050	2019-01-08	14:	25	3	332.10	4.761905
## 882	4.0720	2019-03-30	12:	51	2	81.44	4.761905
## 883	15.9950	2019-02-20	15:	18	2	319.90	4.761905
## 884	10.3260	2019-03-30	12:	45	3	206.52	4.761905
## 885	8.3340	2019-03-19	13:	37	1	166.68	4.761905
## 886	15.9530	2019-01-13	10:	03	1	319.06	4.761905
## 887	4.3950	2019-02-05	19:	42	3	87.90	4.761905
## 888	36.7350	2019-03-23	13:	14	3	734.70	4.761905
## 889	4.8760	2019-03-13	12:	47	3	97.52	4.761905
## 890	38.4600	2019-03-17	19:	53	3	769.20	4.761905
## 891	20.9150	2019-02-21	10:	26	1	418.30	4.761905
## 892	23.1640	2019-02-07	15:	06	1	463.28	4.761905
## 893	23.1225	2019-03-02	16:	35	2	462.45	4.761905
## 894	7.0950	2019-03-06	20:	57	1	141.90	4.761905
## 895	15.1350	2019-02-06	15:	16	2	302.70	4.761905
## 896	39.6640	2019-01-28	17:	47	2	793.28	4.761905

## 897	21.2590	2019-01-18	16:	23	3	425.18	4.761905
## 898	14.1810	2019-02-05	10:	17	1	283.62	4.761905
## 899	29.9600	2019-03-02	13:	50	1	599.20	4.761905
## 900	15.7680	2019-02-09	19:	17	3	315.36	4.761905
## 901	20.1780	2019-01-14	14:	00	2	403.56	4.761905
## 902	9.1940	2019-02-09	12:	02	3	183.88	4.761905
## 903	6.9325	2019-03-26	20:	21	2	138.65	4.761905
## 904	4.0355	2019-01-28	17:	35	1	80.71	4.761905
## 905	5.8320	2019-02-14	12:	42	3	116.64	4.761905
## 906	15.6760	2019-03-24	17:	56	1	313.52	4.761905
## 907	42.3050	2019-02-09	18:	58	2	846.10	4.761905
## 908	20.7200	2019-03-24	14:	08	2	414.40	4.761905
## 909	7.9540	2019-03-27	16:	30	3	159.08	4.761905
## 910	24.5050	2019-01-27	10:	44	2	490.10	4.761905
## 911	4.3725	2019-03-27	20:	29	2	87.45	4.761905
## 912	11.2260	2019-01-19	11:	43	3	224.52	4.761905
## 913	37.2480	2019-02-07	10:	09	1	744.96	4.761905
## 914	20.5360	2019-01-31	10:	00	3	410.72	4.761905
## 915	14.9400	2019-02-25	18:	45	1	298.80	4.761905
## 916	10.6470	2019-02-02	12:	40	1	212.94	4.761905
## 917	2.1425	2019-03-14	15:	36	2	42.85	4.761905
## 918	18.9340	2019-03-11	12:	04	1	378.68	4.761905
## 919	10.3455	2019-02-22	11:	26	3	206.91	4.761905
## 920	3.9390	2019-03-02	12:	36	3	78.78	4.761905
## 921	16.1055	2019-03-10	15:	06	2	322.11	4.761905
## 922	4.9110	2019-02-08	10:	58	1	98.22	4.761905
## 923	1.2730	2019-02-22	12:	10	2	25.46	4.761905
## 924	29.0990	2019-01-10	10:	31	2	581.98	4.761905
## 925	10.5660	2019-03-14	13:	49	3	211.32	4.761905
## 926	2.7560	2019-01-10	11:	10	3	55.12	4.761905
## 927	4.4155	2019-02-15	17:	38	2	88.31	4.761905
## 928	17.8290	2019-01-13	17:	54	2	356.58	4.761905
## 929	39.7125	2019-02-15	20:	51	2	794.25	4.761905
## 930	2.5310	2019-03-02	19:	26	3	50.62	4.761905
## 931	29.9760	2019-03-24	13:	33	3	599.52	4.761905
## 932	8.3350	2019-02-02	14:	05	2	166.70	4.761905
## 933	37.2200	2019-02-27	11:	40	3	744.40	4.761905
## 934	22.4280	2019-01-20	12:	27	3	448.56	4.761905
## 935	18.9450	2019-01-03	20:	24	3	378.90	4.761905
## 936	12.8580	2019-01-24	20:	59	3	257.16	4.761905
## 937	27.6115	2019-01-05	19:	48	3	552.23	4.761905
## 938	22.3700	2019-03-30	10:	18	1	447.40	4.761905
## 939	13.8135	2019-02-17	16:	27	1	276.27	4.761905
## 940	17.1870	2019-03-21	17:	04	3	343.74	4.761905
## 941	13.3040	2019-03-02	18:	14	3	266.08	4.761905
## 942	44.9190	2019-03-27	10:	43	1	898.38	4.761905
## 943	22.8400	2019-01-19	19:	30	3	456.80	4.761905
## 944	12.6975	2019-02-19	14:	53	2	253.95	4.761905
## 945	3.5280	2019-03-28	20:	14	1	70.56	4.761905
## 946	32.8580	2019-01-05	11:	51	2	657.16	4.761905
## 947	8.4250	2019-03-26	14:	13	2	168.50	4.761905
## 948	2.6890	2019-02-03	20:	13	3	53.78	4.761905
## 949	8.9525	2019-02-06	18:	44	3	179.05	4.761905
## 950	10.5720	2019-02-24	14:	26	3	211.44	4.761905

##	951	5.9865	2019-02-21	12:	40	3	119.73	4.761905
##	952	3.2850	2019-01-09	18:	43	3	65.70	4.761905
##	953	12.5700	2019-02-25	13:	22	3	251.40	4.761905
##	954	4.2080	2019-01-13	13:	58	1	84.16	4.761905
##	955	19.7730	2019-02-09	11:	45	1	395.46	4.761905
##	956	14.8995	2019-01-06	11:	51	1	297.99	4.761905
##	957	22.7205	2019-01-10	17:	16	1	454.41	4.761905
##	958	13.8060	2019-02-07	15:	55	1	276.12	4.761905
##	959	7.9000	2019-01-09	12:	07	1	158.00	4.761905
##	960	44.3970	2019-02-19	15:	07	1	887.94	4.761905
##	961	4.5990	2019-03-18	15:	29	1	91.98	4.761905
##	962	2.0890	2019-02-05	18:	45	1	41.78	4.761905
##	963	0.7750	2019-03-19	15:	23	2	15.50	4.761905
##	964	14.5230	2019-03-30	20:	37	1	290.46	4.761905
##	965	3.3330	2019-01-26	14:	41	2	66.66	4.761905
##	966	3.8270	2019-03-02	18:	18	2	76.54	4.761905
##	967	14.9850	2019-03-04	15:	27	3	299.70	4.761905
##	968	12.1515	2019-01-13	12:	55	2	243.03	4.761905
##	969	2.3700	2019-03-25	18:	02	1	47.40	4.761905
##	970	8.6225	2019-03-11	19:	44	2	172.45	4.761905
##	971	42.3150	2019-01-01	11:	36	2	846.30	4.761905
##	972	12.9185	2019-02-10	13:	51	3	258.37	4.761905
##	973	30.4780	2019-01-26	15:	17	1	609.56	4.761905
##	974	12.0120	2019-02-11	15:	29	1	240.24	4.761905
##	975	8.6130	2019-02-07	17:	59	1	172.26	4.761905
##	976	4.9920	2019-03-06	11:	55	2	99.84	4.761905
##	977	14.9320	2019-03-04	10:	39	1	298.64	4.761905
##	978	7.9800	2019-02-26	15:	10	3	159.60	4.761905
##	979	1.2725	2019-03-10	18:	10	2	25.45	4.761905
##	980	3.3885	2019-02-04	20:	43	2	67.77	4.761905
##	981	11.9180	2019-01-19	12:	46	1	238.36	4.761905
##	982	11.6300	2019-01-23	17:	44	1	232.60	4.761905
##	983	43.8660	2019-03-14	14:	19	3	877.32	4.761905
##	984	34.9860	2019-01-23	10:	33	1	699.72	4.761905
##	985	33.7295	2019-01-09	11:	40	1	674.59	4.761905
##	986	15.9275	2019-02-07	19:	30	3	318.55	4.761905
##	987	1.4760	2019-02-18	14:	42	3	29.52	4.761905
##	988	24.8000	2019-01-03	19:	08	2	496.00	4.761905
##	989	41.1700	2019-03-29	19:	12	3	823.40	4.761905
##	990	30.1480	2019-01-28	15:	46	2	602.96	4.761905
##	991	14.1400	2019-03-22	19:	06	2	282.80	4.761905
##	992	38.3000	2019-01-24	18:	10	3	766.00	4.761905
##	993	5.8030	2019-03-10	20:	46	3	116.06	4.761905
##	994	8.7450	2019-02-22	18:	35	3	174.90	4.761905
##	995	3.0475	2019-02-18	11:	40	3	60.95	4.761905
##	996	2.0175	2019-01-29	13:	46	3	40.35	4.761905
##	997	48.6900	2019-03-02	17:	16	3	973.80	4.761905
##	998	1.5920	2019-02-09	13:	22	1	31.84	4.761905
##	999	3.2910	2019-02-22	15:	33	1	65.82	4.761905
##	1000	30.9190	2019-02-18	13:	28	1	618.38	4.761905
##	gross.income Rating Total year month day							
##	1	26.1415	9.1	548.9715	2019	1	5	
##	2	3.8200	9.6	80.2200	2019	3	8	
##	3	16.2155	7.4	340.5255	2019	3	3	

## 4	23.2880	8.4	489.0480	2019	1	27
## 5	30.2085	5.3	634.3785	2019	2	8
## 6	29.8865	4.1	627.6165	2019	3	25
## 7	20.6520	5.8	433.6920	2019	2	25
## 8	36.7800	8.0	772.3800	2019	2	24
## 9	3.6260	7.2	76.1460	2019	1	10
## 10	8.2260	5.9	172.7460	2019	2	20
## 11	2.8960	4.5	60.8160	2019	2	6
## 12	5.1020	6.8	107.1420	2019	3	9
## 13	11.7375	7.1	246.4875	2019	2	12
## 14	21.5950	8.2	453.4950	2019	2	7
## 15	35.6900	5.7	749.4900	2019	3	29
## 16	28.1160	4.5	590.4360	2019	1	15
## 17	24.1255	4.6	506.6355	2019	3	11
## 18	21.7830	6.9	457.4430	2019	1	1
## 19	8.2005	8.6	172.2105	2019	1	21
## 20	4.0300	4.4	84.6300	2019	3	11
## 21	21.5100	4.8	451.7100	2019	2	25
## 22	13.1970	5.1	277.1370	2019	3	5
## 23	3.3200	4.4	69.7200	2019	3	15
## 24	8.6400	9.9	181.4400	2019	2	17
## 25	13.2945	6.0	279.1845	2019	3	2
## 26	21.0360	8.5	441.7560	2019	3	22
## 27	1.6760	6.7	35.1960	2019	2	8
## 28	8.7670	7.7	184.1070	2019	3	10
## 29	22.0900	9.6	463.8900	2019	1	25
## 30	11.2005	7.4	235.2105	2019	3	15
## 31	23.5325	4.8	494.1825	2019	2	25
## 32	35.1315	4.5	737.7615	2019	1	28
## 33	33.5120	5.1	703.7520	2019	1	10
## 34	9.6580	5.1	202.8180	2019	3	15
## 35	19.8840	7.5	417.5640	2019	2	6
## 36	3.4060	6.8	71.5260	2019	1	7
## 37	15.6550	7.0	328.7550	2019	3	10
## 38	27.3960	4.7	575.3160	2019	1	15
## 39	21.9680	7.6	461.3280	2019	3	23
## 40	12.0480	7.7	253.0080	2019	3	3
## 41	4.3360	7.9	91.0560	2019	1	17
## 42	5.6110	6.3	117.8310	2019	2	2
## 43	20.7360	5.6	435.4560	2019	2	8
## 44	39.4800	7.6	829.0800	2019	3	4
## 45	1.5370	7.2	32.2770	2019	3	16
## 46	18.7920	9.5	394.6320	2019	3	9
## 47	25.5105	8.4	535.7205	2019	2	27
## 48	9.0045	4.1	189.0945	2019	2	6
## 49	5.6790	8.1	119.2590	2019	2	10
## 50	41.3150	7.9	867.6150	2019	3	19
## 51	31.9900	9.5	671.7900	2019	2	3
## 52	11.1475	8.5	234.0975	2019	2	10
## 53	3.5740	6.5	75.0540	2019	3	22
## 54	0.7715	6.1	16.2015	2019	1	25
## 55	1.6160	6.5	33.9360	2019	3	7
## 56	34.3920	8.2	722.2320	2019	2	28
## 57	4.4340	5.8	93.1140	2019	3	27

## 58	35.8400	6.6	752.6400	2019	2	7
## 59	36.1750	5.4	759.6750	2019	1	20
## 60	9.1830	9.3	192.8430	2019	3	12
## 61	3.7110	10.0	77.9310	2019	2	15
## 62	16.7190	7.0	351.0990	2019	2	24
## 63	24.7815	10.0	520.4115	2019	2	3
## 64	7.9050	8.6	166.0050	2019	3	6
## 65	15.1480	7.6	318.1080	2019	2	14
## 66	7.9350	5.8	166.6350	2019	3	13
## 67	3.3470	6.7	70.2870	2019	2	10
## 68	29.2830	9.9	614.9430	2019	1	7
## 69	39.3850	6.4	827.0850	2019	1	24
## 70	0.9165	4.3	19.2465	2019	2	2
## 71	44.7400	9.6	939.5400	2019	1	6
## 72	31.0600	5.9	652.2600	2019	2	11
## 73	7.2780	4.0	152.8380	2019	3	5
## 74	22.7730	8.7	478.2330	2019	3	9
## 75	33.6015	9.4	705.6315	2019	1	22
## 76	20.8250	5.4	437.3250	2019	1	13
## 77	22.0680	8.6	463.4280	2019	1	9
## 78	9.0045	5.7	189.0945	2019	1	12
## 79	39.1550	6.6	822.2550	2019	3	5
## 80	5.0950	6.0	106.9950	2019	1	22
## 81	29.7570	5.5	624.8970	2019	1	21
## 82	14.5020	6.4	304.5420	2019	1	26
## 83	7.7000	6.6	161.7000	2019	1	23
## 84	16.0720	8.3	337.5120	2019	2	23
## 85	12.2275	6.6	256.7775	2019	3	9
## 86	29.0710	4.0	610.4910	2019	3	5
## 87	19.1300	9.9	401.7300	2019	3	25
## 88	17.2830	7.3	362.9430	2019	3	27
## 89	2.1235	5.7	44.5935	2019	1	2
## 90	23.0970	6.1	485.0370	2019	2	27
## 91	9.4760	7.1	198.9960	2019	1	23
## 92	22.4300	8.2	471.0300	2019	1	26
## 93	7.6930	5.1	161.5530	2019	1	10
## 94	28.9620	8.6	608.2020	2019	3	12
## 95	4.4875	6.6	94.2375	2019	2	6
## 96	4.8580	7.2	102.0180	2019	3	8
## 97	43.9350	5.1	922.6350	2019	3	29
## 98	3.7350	4.1	78.4350	2019	2	9
## 99	7.9125	9.3	166.1625	2019	3	23
## 100	24.8100	7.4	521.0100	2019	3	5
## 101	2.4355	4.1	51.1455	2019	3	26
## 102	35.3475	7.2	742.2975	2019	3	1
## 103	10.3815	4.9	218.0115	2019	2	1
## 104	17.4780	9.9	367.0380	2019	3	28
## 105	10.6225	8.0	223.0725	2019	3	19
## 106	44.3350	7.3	931.0350	2019	1	12
## 107	8.2140	7.9	172.4940	2019	1	5
## 108	18.6390	7.4	391.4190	2019	3	22
## 109	15.2910	4.2	321.1110	2019	3	24
## 110	40.9850	9.2	860.6850	2019	3	3
## 111	1.6490	4.6	34.6290	2019	2	5

## 112	14.7315	7.8	309.3615	2019	2	5
## 113	25.4940	8.4	535.3740	2019	2	15
## 114	26.1315	4.3	548.7615	2019	1	19
## 115	36.3555	9.5	763.4655	2019	2	1
## 116	4.0530	7.1	85.1130	2019	3	2
## 117	5.4850	5.3	115.1850	2019	3	5
## 118	2.5680	5.2	53.9280	2019	1	16
## 119	5.4800	6.0	115.0800	2019	2	2
## 120	5.3440	4.1	112.2240	2019	1	20
## 121	39.8240	5.2	836.3040	2019	2	14
## 122	19.9920	6.5	419.8320	2019	1	12
## 123	44.9820	4.2	944.6220	2019	3	9
## 124	25.5640	4.6	536.8440	2019	3	13
## 125	22.5880	7.3	474.3480	2019	3	9
## 126	32.7915	4.5	688.6215	2019	3	10
## 127	8.0625	9.0	169.3125	2019	1	27
## 128	14.2785	5.9	299.8485	2019	1	8
## 129	27.4160	8.5	575.7360	2019	1	8
## 130	40.6260	7.2	853.1460	2019	2	8
## 131	13.8670	7.5	291.2070	2019	1	25
## 132	27.6390	8.3	580.4190	2019	3	6
## 133	6.9680	7.4	146.3280	2019	2	10
## 134	26.2350	8.8	550.9350	2019	2	17
## 135	24.3900	5.3	512.1900	2019	3	8
## 136	13.5330	6.2	284.1930	2019	2	18
## 137	6.5775	8.8	138.1275	2019	1	18
## 138	10.3260	9.8	216.8460	2019	2	18
## 139	25.9550	8.2	545.0550	2019	2	16
## 140	29.0000	9.2	609.0000	2019	3	16
## 141	44.9000	5.4	942.9000	2019	1	23
## 142	45.2500	8.1	950.2500	2019	1	25
## 143	34.3000	9.1	720.3000	2019	2	5
## 144	1.5205	8.4	31.9305	2019	2	22
## 145	23.3850	8.0	491.0850	2019	1	21
## 146	13.8780	9.5	291.4380	2019	3	8
## 147	15.0700	9.2	316.4700	2019	2	10
## 148	13.2280	5.6	277.7880	2019	3	19
## 149	28.7440	6.2	603.6240	2019	3	6
## 150	12.9840	4.9	272.6640	2019	3	27
## 151	18.3080	4.8	384.4680	2019	3	23
## 152	12.0960	7.3	254.0160	2019	3	11
## 153	37.4580	7.4	786.6180	2019	1	29
## 154	4.9440	9.9	103.8240	2019	2	7
## 155	32.3880	9.3	680.1480	2019	1	28
## 156	23.0725	9.0	484.5225	2019	2	20
## 157	3.6085	6.1	75.7785	2019	1	4
## 158	12.5700	9.7	263.9700	2019	3	7
## 159	43.7490	6.0	918.7290	2019	3	30
## 160	28.0170	10.0	588.3570	2019	3	27
## 161	17.2720	8.3	362.7120	2019	1	19
## 162	3.1845	6.0	66.8745	2019	2	25
## 163	16.0265	7.0	336.5565	2019	3	13
## 164	7.6400	6.5	160.4400	2019	1	30
## 165	19.9500	5.9	418.9500	2019	2	20

## 166	17.0280	5.6	357.5880	2019	2	25
## 167	47.7900	4.8	1003.5900	2019	1	16
## 168	49.4900	8.7	1039.2900	2019	2	8
## 169	15.3840	6.5	323.0640	2019	1	19
## 170	24.3320	8.5	510.9720	2019	2	1
## 171	17.5025	5.5	367.5525	2019	1	3
## 172	20.0125	9.4	420.2625	2019	1	26
## 173	8.3400	6.3	175.1400	2019	3	3
## 174	15.8670	9.8	333.2070	2019	1	19
## 175	7.9160	8.7	166.2360	2019	1	18
## 176	15.2280	8.8	319.7880	2019	3	21
## 177	8.8680	9.6	186.2280	2019	3	3
## 178	7.8785	4.8	165.4485	2019	2	13
## 179	22.1640	4.4	465.4440	2019	3	23
## 180	13.0200	9.9	273.4200	2019	1	28
## 181	22.4910	5.7	472.3110	2019	2	9
## 182	15.3880	7.7	323.1480	2019	1	23
## 183	7.7500	8.0	162.7500	2019	3	23
## 184	13.7240	5.7	288.2040	2019	1	25
## 185	4.3190	6.7	90.6990	2019	3	4
## 186	2.7120	8.0	56.9520	2019	3	5
## 187	37.7960	7.5	793.7160	2019	3	3
## 188	9.2940	7.0	195.1740	2019	2	8
## 189	3.7035	9.9	77.7735	2019	2	10
## 190	13.9620	5.9	293.2020	2019	1	28
## 191	11.5560	7.2	242.6760	2019	2	11
## 192	7.3520	4.6	154.3920	2019	1	15
## 193	39.5100	9.2	829.7100	2019	3	16
## 194	5.1100	5.7	107.3100	2019	1	26
## 195	8.1775	9.9	171.7275	2019	3	19
## 196	3.7145	5.0	78.0045	2019	1	13
## 197	4.3700	4.9	91.7700	2019	3	26
## 198	1.2645	6.1	26.5545	2019	3	23
## 199	8.3000	8.2	174.3000	2019	3	12
## 200	17.8475	5.5	374.7975	2019	2	17
## 201	5.7450	6.8	120.6450	2019	1	29
## 202	11.4980	6.6	241.4580	2019	3	15
## 203	21.4935	9.8	451.3635	2019	1	14
## 204	12.9500	8.7	271.9500	2019	2	6
## 205	4.4425	5.4	93.2925	2019	2	15
## 206	10.3635	7.9	217.6335	2019	1	3
## 207	29.9925	9.7	629.8425	2019	1	4
## 208	14.2650	7.8	299.5650	2019	3	18
## 209	4.5555	5.1	95.6655	2019	3	28
## 210	44.8785	6.5	942.4485	2019	3	2
## 211	11.8035	5.9	247.8735	2019	1	25
## 212	41.9670	8.8	881.3070	2019	1	16
## 213	23.0900	4.9	484.8900	2019	3	20
## 214	6.9630	4.4	146.2230	2019	1	4
## 215	10.3635	6.5	217.6335	2019	3	11
## 216	0.9140	8.3	19.1940	2019	3	22
## 217	6.1925	8.5	130.0425	2019	3	24
## 218	14.1960	5.5	298.1160	2019	2	21
## 219	37.9480	8.7	796.9080	2019	2	12

## 220	8.6010	7.9	180.6210	2019	3	10
## 221	13.6050	6.1	285.7050	2019	1	31
## 222	21.7280	5.4	456.2880	2019	3	6
## 223	2.9525	9.4	62.0025	2019	2	17
## 224	0.6270	8.2	13.1670	2019	2	21
## 225	4.3250	6.2	90.8250	2019	3	20
## 226	8.7160	9.7	183.0360	2019	1	11
## 227	31.2165	4.0	655.5465	2019	1	26
## 228	7.4120	9.7	155.6520	2019	1	31
## 229	27.2100	5.3	571.4100	2019	2	26
## 230	25.3680	7.4	532.7280	2019	3	11
## 231	8.1370	6.5	170.8770	2019	1	26
## 232	1.5885	8.7	33.3585	2019	3	12
## 233	37.8405	8.0	794.6505	2019	2	11
## 234	14.7640	6.7	310.0440	2019	2	21
## 235	25.9700	6.5	545.3700	2019	3	9
## 236	9.3140	4.1	195.5940	2019	1	20
## 237	4.3525	4.9	91.4025	2019	1	28
## 238	11.0550	8.6	232.1550	2019	3	5
## 239	3.3050	4.3	69.4050	2019	3	2
## 240	4.4845	4.9	94.1745	2019	1	11
## 241	11.2230	5.6	235.6830	2019	1	11
## 242	5.9770	5.8	125.5170	2019	3	11
## 243	9.3200	6.0	195.7200	2019	2	28
## 244	12.5300	4.2	263.1300	2019	1	5
## 245	37.5480	8.3	788.5080	2019	2	2
## 246	19.0360	5.7	399.7560	2019	1	1
## 247	12.2100	4.8	256.4100	2019	2	9
## 248	4.4850	6.8	94.1850	2019	1	23
## 249	15.5440	8.8	326.4240	2019	1	7
## 250	25.5710	4.2	536.9910	2019	1	14
## 251	20.9475	6.4	439.8975	2019	2	2
## 252	17.5950	8.4	369.4950	2019	3	17
## 253	1.4390	7.2	30.2190	2019	3	2
## 254	4.7500	5.2	99.7500	2019	3	16
## 255	23.5600	8.9	494.7600	2019	1	6
## 256	6.5240	9.0	137.0040	2019	1	29
## 257	3.3175	9.7	69.6675	2019	1	31
## 258	7.7730	8.7	163.2330	2019	2	5
## 259	6.4500	6.5	135.4500	2019	2	13
## 260	13.1880	6.9	276.9480	2019	2	7
## 261	33.7770	6.2	709.3170	2019	3	19
## 262	3.2900	5.6	69.0900	2019	3	7
## 263	7.6600	5.7	160.8600	2019	3	13
## 264	11.1200	4.2	233.5200	2019	2	9
## 265	2.7225	7.9	57.1725	2019	2	26
## 266	34.4400	8.7	723.2400	2019	3	12
## 267	7.0940	6.9	148.9740	2019	3	14
## 268	37.3000	9.5	783.3000	2019	1	8
## 269	14.1480	4.4	297.1080	2019	1	5
## 270	17.7700	7.0	373.1700	2019	1	4
## 271	16.8575	6.3	354.0075	2019	3	6
## 272	2.1120	9.7	44.3520	2019	1	3
## 273	9.6930	8.8	203.5530	2019	1	7

## 274	1.2030	5.1	25.2630	2019	1	27
## 275	29.9130	7.9	628.1730	2019	2	26
## 276	16.7895	6.2	352.5795	2019	1	7
## 277	10.9100	7.1	229.1100	2019	1	7
## 278	19.0840	6.4	400.7640	2019	2	2
## 279	35.4950	5.7	745.3950	2019	3	20
## 280	22.0100	9.6	462.2100	2019	3	20
## 281	27.9840	6.4	587.6640	2019	2	15
## 282	1.8500	7.9	38.8500	2019	3	6
## 283	0.7670	6.5	16.1070	2019	1	6
## 284	29.9490	8.5	628.9290	2019	3	4
## 285	9.5340	9.1	200.2140	2019	3	12
## 286	16.6700	7.6	350.0700	2019	2	20
## 287	3.7430	6.9	78.6030	2019	3	24
## 288	10.6875	9.5	224.4375	2019	1	31
## 289	16.9785	5.2	356.5485	2019	1	25
## 290	33.2080	4.2	697.3680	2019	2	3
## 291	20.1500	7.0	423.1500	2019	1	24
## 292	9.7475	6.0	204.6975	2019	3	14
## 293	3.1240	4.7	65.6040	2019	2	18
## 294	3.6360	7.1	76.3560	2019	1	21
## 295	9.0550	5.9	190.1550	2019	3	13
## 296	12.9800	7.5	272.5800	2019	3	3
## 297	5.7680	6.4	121.1280	2019	3	29
## 298	23.5140	5.8	493.7940	2019	1	10
## 299	12.0020	4.5	252.0420	2019	1	25
## 300	4.4305	7.7	93.0405	2019	1	19
## 301	9.9820	6.7	209.6220	2019	1	2
## 302	1.9505	4.7	40.9605	2019	3	12
## 303	2.4305	4.4	51.0405	2019	2	25
## 304	10.2380	4.7	214.9980	2019	3	18
## 305	5.9840	8.6	125.6640	2019	2	23
## 306	25.2700	4.3	530.6700	2019	3	26
## 307	14.0805	9.6	295.6905	2019	3	30
## 308	35.5160	4.1	745.8360	2019	2	17
## 309	3.9720	4.7	83.4120	2019	3	21
## 310	8.1910	7.8	172.0110	2019	3	5
## 311	23.9790	5.5	503.5590	2019	1	31
## 312	6.9330	9.7	145.5930	2019	2	5
## 313	3.5575	4.4	74.7075	2019	2	1
## 314	6.9975	5.0	146.9475	2019	3	7
## 315	39.0650	4.4	820.3650	2019	2	10
## 316	9.9370	5.2	208.6770	2019	2	14
## 317	3.1620	7.3	66.4020	2019	2	9
## 318	18.6975	4.9	392.6475	2019	1	10
## 319	10.3845	8.1	218.0745	2019	3	11
## 320	8.8140	8.4	185.0940	2019	2	18
## 321	10.3185	5.5	216.6885	2019	2	26
## 322	1.9710	8.4	41.3910	2019	1	18
## 323	4.5780	9.8	96.1380	2019	2	15
## 324	15.4425	6.7	324.2925	2019	3	8
## 325	6.4560	9.4	135.5760	2019	1	17
## 326	19.5480	6.4	410.5080	2019	3	12
## 327	24.9450	5.4	523.8450	2019	3	9

## 328	18.8520	8.6	395.8920	2019	3	12
## 329	10.2260	4.0	214.7460	2019	1	25
## 330	7.2720	7.6	152.7120	2019	3	25
## 331	9.9090	6.8	208.0890	2019	2	7
## 332	4.9350	9.1	103.6350	2019	2	17
## 333	19.2550	5.5	404.3550	2019	2	3
## 334	2.3480	7.9	49.3080	2019	3	14
## 335	3.6750	8.5	77.1750	2019	3	24
## 336	7.1125	9.1	149.3625	2019	3	21
## 337	34.3800	7.5	721.9800	2019	3	19
## 338	17.3850	5.2	365.0850	2019	2	24
## 339	7.1475	9.5	150.0975	2019	3	28
## 340	19.2690	8.9	404.6490	2019	2	5
## 341	7.2135	7.8	151.4835	2019	2	10
## 342	19.5895	8.9	411.3795	2019	3	5
## 343	26.9150	7.7	565.2150	2019	2	15
## 344	24.2575	9.3	509.4075	2019	1	30
## 345	6.6975	6.2	140.6475	2019	2	14
## 346	35.0685	7.6	736.4385	2019	2	27
## 347	3.5975	7.3	75.5475	2019	2	4
## 348	35.7000	4.7	749.7000	2019	1	20
## 349	9.1070	5.1	191.2470	2019	3	28
## 350	6.7500	4.8	141.7500	2019	2	27
## 351	49.6500	6.6	1042.6500	2019	2	15
## 352	18.0915	5.5	379.9215	2019	1	26
## 353	19.1555	8.5	402.2655	2019	3	14
## 354	12.1500	4.8	255.1500	2019	3	2
## 355	1.5120	8.4	31.7520	2019	3	4
## 356	17.8280	7.8	374.3880	2019	1	7
## 357	18.7750	9.3	394.2750	2019	3	8
## 358	47.7200	5.2	1002.1200	2019	1	9
## 359	4.1250	6.5	86.6250	2019	3	1
## 360	3.7485	5.6	78.7185	2019	3	16
## 361	32.3840	7.4	680.0640	2019	2	17
## 362	37.7880	9.1	793.5480	2019	2	27
## 363	9.9790	8.0	209.5590	2019	3	7
## 364	21.9660	7.2	461.2860	2019	1	21
## 365	8.2480	7.1	173.2080	2019	2	19
## 366	16.3360	9.1	343.0560	2019	1	6
## 367	23.0940	5.6	484.9740	2019	3	14
## 368	13.1880	6.0	276.9480	2019	3	24
## 369	7.1800	5.4	150.7800	2019	1	27
## 370	9.6750	7.8	203.1750	2019	3	6
## 371	9.1910	9.9	193.0110	2019	2	2
## 372	6.0960	4.9	128.0160	2019	1	25
## 373	21.0330	5.2	441.6930	2019	3	14
## 374	12.6240	8.9	265.1040	2019	1	29
## 375	16.7725	9.1	352.2225	2019	1	3
## 376	24.1750	7.0	507.6750	2019	1	14
## 377	15.9210	9.6	334.3410	2019	1	5
## 378	33.4215	8.7	701.8515	2019	2	22
## 379	19.3960	9.4	407.3160	2019	2	6
## 380	4.7300	4.0	99.3300	2019	1	30
## 381	16.4660	7.5	345.7860	2019	1	11

## 382	2.6610	4.2	55.8810	2019	3	19
## 383	24.9225	9.9	523.3725	2019	1	14
## 384	14.9780	4.2	314.5380	2019	3	1
## 385	10.2350	9.9	214.9350	2019	1	6
## 386	3.7910	5.8	79.6110	2019	1	31
## 387	14.0310	6.0	294.6510	2019	3	11
## 388	16.1600	10.0	339.3600	2019	2	20
## 389	24.3315	9.5	510.9615	2019	1	27
## 390	6.3770	6.6	133.9170	2019	3	10
## 391	12.0720	8.1	253.5120	2019	2	15
## 392	18.9750	9.7	398.4750	2019	1	26
## 393	3.8410	7.2	80.6610	2019	2	13
## 394	26.1300	6.2	548.7300	2019	3	9
## 395	3.9870	7.3	83.7270	2019	3	6
## 396	19.3750	4.3	406.8750	2019	1	24
## 397	13.5675	4.6	284.9175	2019	3	13
## 398	6.1155	5.8	128.4255	2019	3	15
## 399	12.3180	8.3	258.6780	2019	3	5
## 400	8.6580	8.0	181.8180	2019	3	4
## 401	11.8290	9.4	248.4090	2019	3	25
## 402	9.2440	6.2	194.1240	2019	3	12
## 403	0.6990	9.8	14.6790	2019	2	4
## 404	9.9375	9.6	208.6875	2019	2	22
## 405	34.2265	4.9	718.7565	2019	2	16
## 406	13.4520	8.0	282.4920	2019	1	19
## 407	3.4475	7.8	72.3975	2019	1	11
## 408	13.7420	4.1	288.5820	2019	1	4
## 409	11.3060	5.5	237.4260	2019	3	4
## 410	5.9550	5.4	125.0550	2019	1	28
## 411	17.1050	5.1	359.2050	2019	1	2
## 412	2.1870	6.9	45.9270	2019	1	25
## 413	5.2425	7.8	110.0925	2019	1	4
## 414	3.8760	6.6	81.3960	2019	3	10
## 415	20.3720	9.2	427.8120	2019	3	22
## 416	4.8055	7.8	100.9155	2019	1	25
## 417	9.0760	8.7	190.5960	2019	1	8
## 418	4.0755	9.2	85.5855	2019	1	22
## 419	5.7220	8.3	120.1620	2019	1	12
## 420	8.8270	8.2	185.3670	2019	2	4
## 421	5.7900	7.5	121.5900	2019	3	28
## 422	12.6075	9.8	264.7575	2019	1	23
## 423	48.6050	8.7	1020.7050	2019	2	8
## 424	10.1680	6.7	213.5280	2019	3	19
## 425	0.8140	5.0	17.0940	2019	3	9
## 426	18.2745	7.0	383.7645	2019	1	2
## 427	18.6095	8.9	390.7995	2019	1	21
## 428	3.1305	8.0	65.7405	2019	3	20
## 429	16.8175	6.9	353.1675	2019	2	27
## 430	45.3250	7.3	951.8250	2019	3	8
## 431	6.9080	6.9	145.0680	2019	1	31
## 432	4.3270	5.7	90.8670	2019	3	8
## 433	7.0380	6.4	147.7980	2019	1	13
## 434	33.4390	9.6	702.2190	2019	3	9
## 435	2.3720	6.8	49.8120	2019	2	22

## 436	44.6580	9.0	937.8180	2019	3	19
## 437	16.5860	9.6	348.3060	2019	1	20
## 438	10.1970	7.7	214.1370	2019	3	8
## 439	3.4080	7.0	71.5680	2019	3	8
## 440	16.3440	6.5	343.2240	2019	2	7
## 441	4.3600	8.1	91.5600	2019	1	15
## 442	35.3720	4.3	742.8120	2019	3	22
## 443	40.1445	6.5	843.0345	2019	1	15
## 444	0.6390	9.5	13.4190	2019	1	8
## 445	6.6850	9.7	140.3850	2019	1	15
## 446	0.9575	9.5	20.1075	2019	1	28
## 447	13.8300	8.9	290.4300	2019	2	14
## 448	6.8610	6.5	144.0810	2019	3	10
## 449	1.3535	5.3	28.4235	2019	1	12
## 450	1.9560	9.6	41.0760	2019	3	26
## 451	22.4130	6.7	470.6730	2019	1	1
## 452	6.6030	7.6	138.6630	2019	1	2
## 453	15.9025	4.8	333.9525	2019	3	16
## 454	1.2500	5.5	26.2500	2019	3	3
## 455	4.1540	4.7	87.2340	2019	1	31
## 456	7.3900	6.9	155.1900	2019	2	13
## 457	34.8300	4.5	731.4300	2019	2	15
## 458	39.6950	6.2	833.5950	2019	2	7
## 459	23.2850	7.6	488.9850	2019	1	27
## 460	1.7945	7.9	37.6845	2019	2	23
## 461	10.1300	4.5	212.7300	2019	2	3
## 462	36.5250	8.7	767.0250	2019	3	3
## 463	14.7900	6.1	310.5900	2019	2	3
## 464	1.1310	6.4	23.7510	2019	3	17
## 465	12.8350	9.1	269.5350	2019	3	28
## 466	27.2750	7.1	572.7750	2019	3	2
## 467	13.0025	7.7	273.0525	2019	2	8
## 468	11.1060	4.5	233.2260	2019	3	22
## 469	1.0790	7.2	22.6590	2019	2	9
## 470	4.9420	8.4	103.7820	2019	2	15
## 471	25.1310	5.4	527.7510	2019	1	23
## 472	8.0100	9.7	168.2100	2019	1	25
## 473	21.5650	5.5	452.8650	2019	2	2
## 474	29.0280	4.6	609.5880	2019	3	30
## 475	16.1100	6.6	338.3100	2019	3	30
## 476	9.7770	6.3	205.3170	2019	2	25
## 477	8.3150	4.2	174.6150	2019	3	18
## 478	16.8140	4.4	353.0940	2019	3	7
## 479	17.1850	6.7	360.8850	2019	3	16
## 480	1.9300	6.7	40.5300	2019	1	29
## 481	26.3880	8.4	554.1480	2019	2	2
## 482	16.4000	6.2	344.4000	2019	2	15
## 483	9.2850	5.0	194.9850	2019	1	8
## 484	30.1900	6.0	633.9900	2019	2	12
## 485	18.4900	7.0	388.2900	2019	1	1
## 486	9.8980	6.6	207.8580	2019	3	21
## 487	20.5450	7.3	431.4450	2019	2	28
## 488	7.4300	8.3	156.0300	2019	3	23
## 489	1.1480	4.3	24.1080	2019	1	30

## 490	34.9560	9.8	734.0760	2019	2	4
## 491	3.4700	8.2	72.8700	2019	3	13
## 492	9.8300	7.2	206.4300	2019	3	15
## 493	10.1280	8.7	212.6880	2019	3	5
## 494	6.0600	8.4	127.2600	2019	3	5
## 495	9.9890	7.1	209.7690	2019	2	26
## 496	30.3680	5.5	637.7280	2019	3	20
## 497	6.3220	8.5	132.7620	2019	1	1
## 498	27.0720	6.2	568.5120	2019	1	27
## 499	4.9065	8.9	103.0365	2019	1	21
## 500	20.6080	9.6	432.7680	2019	2	2
## 501	3.6985	5.4	77.6685	2019	2	3
## 502	1.5950	9.1	33.4950	2019	1	5
## 503	6.9400	9.0	145.7400	2019	1	27
## 504	9.3310	6.3	195.9510	2019	3	25
## 505	4.4225	9.5	92.8725	2019	2	25
## 506	9.6720	9.8	203.1120	2019	1	28
## 507	7.2750	6.7	152.7750	2019	1	8
## 508	25.2150	7.7	529.5150	2019	1	29
## 509	15.3225	7.0	321.7725	2019	3	29
## 510	4.7850	5.1	100.4850	2019	2	9
## 511	31.7590	6.2	666.9390	2019	1	16
## 512	10.7275	6.1	225.2775	2019	1	5
## 513	18.9980	9.3	398.9580	2019	1	27
## 514	34.8425	7.6	731.6925	2019	3	14
## 515	20.4365	8.2	429.1665	2019	2	23
## 516	2.5735	8.5	54.0435	2019	3	18
## 517	13.7150	9.8	288.0150	2019	3	29
## 518	9.8475	8.7	206.7975	2019	1	22
## 519	3.4730	9.7	72.9330	2019	3	1
## 520	17.9800	4.3	377.5800	2019	1	17
## 521	6.8565	7.7	143.9865	2019	3	26
## 522	24.9510	7.3	523.9710	2019	3	20
## 523	11.2320	5.9	235.8720	2019	2	6
## 524	6.2870	5.0	132.0270	2019	1	1
## 525	24.5130	8.0	514.7730	2019	1	27
## 526	22.8525	7.1	479.9025	2019	2	25
## 527	7.8420	9.0	164.6820	2019	1	16
## 528	5.9860	6.7	125.7060	2019	1	13
## 529	27.1800	6.1	570.7800	2019	2	7
## 530	44.1405	9.3	926.9505	2019	2	17
## 531	7.6290	7.0	160.2090	2019	2	12
## 532	34.6720	7.2	728.1120	2019	1	24
## 533	11.4750	8.2	240.9750	2019	2	6
## 534	7.3395	8.4	154.1295	2019	3	26
## 535	7.0800	6.2	148.6800	2019	3	11
## 536	5.8345	7.4	122.5245	2019	2	7
## 537	3.6980	5.0	77.6580	2019	1	5
## 538	4.8970	6.9	102.8370	2019	3	7
## 539	14.6100	4.9	306.8100	2019	2	25
## 540	26.2440	5.1	551.1240	2019	2	1
## 541	4.6020	9.1	96.6420	2019	1	22
## 542	3.7940	7.1	79.6740	2019	1	3
## 543	4.0360	5.0	84.7560	2019	2	13

## 544	5.6310	5.5	118.2510	2019	1	28
## 545	3.5600	9.2	74.7600	2019	1	5
## 546	7.7620	4.9	163.0020	2019	3	19
## 547	14.7100	8.9	308.9100	2019	1	12
## 548	27.4275	6.0	575.9775	2019	1	7
## 549	12.8850	4.2	270.5850	2019	1	26
## 550	19.8180	7.3	416.1780	2019	1	23
## 551	8.5905	6.5	180.4005	2019	2	9
## 552	24.4395	8.9	513.2295	2019	2	22
## 553	26.2080	9.7	550.3680	2019	2	5
## 554	6.6630	8.6	139.9230	2019	3	7
## 555	6.7620	6.9	142.0020	2019	3	25
## 556	5.6220	7.7	118.0620	2019	1	20
## 557	7.2040	9.5	151.2840	2019	2	4
## 558	49.2600	4.5	1034.4600	2019	1	30
## 559	12.4980	5.6	262.4580	2019	1	2
## 560	10.8630	8.2	228.1230	2019	3	29
## 561	9.7110	7.3	203.9310	2019	3	14
## 562	44.6000	4.4	936.6000	2019	2	11
## 563	16.9680	5.7	356.3280	2019	1	30
## 564	22.3530	5.0	469.4130	2019	3	20
## 565	9.9250	9.0	208.4250	2019	3	20
## 566	40.6050	6.3	852.7050	2019	1	17
## 567	24.6650	9.4	517.9650	2019	2	3
## 568	29.5830	7.7	621.2430	2019	1	1
## 569	27.9510	5.5	586.9710	2019	1	10
## 570	25.8930	4.1	543.7530	2019	3	2
## 571	20.5100	7.6	430.7100	2019	2	25
## 572	13.3350	8.6	280.0350	2019	1	29
## 573	3.5455	8.3	74.4555	2019	3	10
## 574	7.2390	8.1	152.0190	2019	1	13
## 575	21.4775	8.6	451.0275	2019	3	22
## 576	28.4585	6.3	597.6285	2019	3	1
## 577	12.0600	5.8	253.2600	2019	2	20
## 578	6.3540	6.2	133.4340	2019	1	14
## 579	12.8540	7.7	269.9340	2019	3	26
## 580	6.9510	8.1	145.9710	2019	3	1
## 581	4.0830	7.3	85.7430	2019	1	7
## 582	15.5360	8.4	326.2560	2019	2	1
## 583	9.2980	8.0	195.2580	2019	2	13
## 584	3.6160	9.5	75.9360	2019	1	14
## 585	9.4590	7.0	198.6390	2019	1	19
## 586	10.3420	9.8	217.1820	2019	3	9
## 587	7.8510	9.2	164.8710	2019	3	27
## 588	10.7650	7.7	226.0650	2019	2	4
## 589	29.8050	5.3	625.9050	2019	3	14
## 590	3.6550	4.4	76.7550	2019	3	4
## 591	13.9590	4.3	293.1390	2019	3	3
## 592	8.4840	9.4	178.1640	2019	1	27
## 593	2.2790	9.8	47.8590	2019	2	7
## 594	11.2800	4.8	236.8800	2019	2	5
## 595	14.5200	5.3	304.9200	2019	3	15
## 596	2.2230	8.7	46.6830	2019	3	1
## 597	7.8300	9.5	164.4300	2019	2	15

## 598	20.9970	5.3	440.9370	2019	2	17
## 599	9.2125	9.2	193.4625	2019	1	26
## 600	7.0320	9.6	147.6720	2019	3	24
## 601	4.1540	6.4	87.2340	2019	1	23
## 602	3.2495	4.5	68.2395	2019	1	26
## 603	38.7800	6.9	814.3800	2019	3	14
## 604	16.3530	7.8	343.4130	2019	3	17
## 605	18.1615	4.5	381.3915	2019	1	8
## 606	6.3500	8.6	133.3500	2019	2	8
## 607	18.7775	5.2	394.3275	2019	2	10
## 608	9.9580	6.4	209.1180	2019	3	28
## 609	1.5305	5.2	32.1405	2019	1	23
## 610	5.7890	8.9	121.5690	2019	1	17
## 611	1.4480	6.2	30.4080	2019	2	7
## 612	44.5365	6.7	935.2665	2019	3	9
## 613	13.9830	7.2	293.6430	2019	1	24
## 614	4.0465	9.0	84.9765	2019	1	19
## 615	33.7250	4.2	708.2250	2019	2	3
## 616	17.4240	4.2	365.9040	2019	3	20
## 617	21.7800	6.9	457.3800	2019	1	13
## 618	21.9775	4.4	461.5275	2019	3	14
## 619	29.5590	4.0	620.7390	2019	1	23
## 620	13.0380	8.5	273.7980	2019	2	7
## 621	10.7520	9.2	225.7920	2019	3	28
## 622	4.5805	9.8	96.1905	2019	3	20
## 623	33.1065	4.9	695.2365	2019	1	17
## 624	41.6250	4.4	874.1250	2019	1	12
## 625	4.5675	6.8	95.9175	2019	2	16
## 626	7.8880	9.1	165.6480	2019	1	26
## 627	6.0870	8.7	127.8270	2019	3	9
## 628	41.2900	5.0	867.0900	2019	3	14
## 629	7.9950	7.5	167.8950	2019	1	25
## 630	0.6045	8.2	12.6945	2019	1	26
## 631	32.0950	6.7	673.9950	2019	1	19
## 632	11.7465	5.4	246.6765	2019	3	5
## 633	8.3770	7.0	175.9170	2019	1	15
## 634	14.9550	4.7	314.0550	2019	3	18
## 635	11.9865	5.0	251.7165	2019	3	20
## 636	33.2350	5.0	697.9350	2019	1	15
## 637	10.1325	6.0	212.7825	2019	3	3
## 638	2.3100	6.3	48.5100	2019	3	19
## 639	4.4075	8.5	92.5575	2019	3	8
## 640	7.8630	7.5	165.1230	2019	2	27
## 641	14.8185	6.4	311.1885	2019	2	23
## 642	35.4200	4.7	743.8200	2019	3	19
## 643	5.5670	6.0	116.9070	2019	3	27
## 644	29.0080	4.0	609.1680	2019	3	30
## 645	3.0125	5.5	63.2625	2019	2	16
## 646	8.7120	8.7	182.9520	2019	1	18
## 647	21.0630	7.4	442.3230	2019	3	30
## 648	1.6815	5.6	35.3115	2019	3	20
## 649	1.5490	6.3	32.5290	2019	1	16
## 650	12.3700	7.1	259.7700	2019	2	24
## 651	18.9150	7.8	397.2150	2019	1	15

## 652	16.7430	9.9	351.6030	2019	1	22
## 653	36.3900	7.3	764.1900	2019	2	3
## 654	16.7940	5.1	352.6740	2019	3	6
## 655	12.0360	9.4	252.7560	2019	2	16
## 656	2.3535	5.8	49.4235	2019	3	14
## 657	4.9845	8.0	104.6745	2019	2	27
## 658	13.2225	7.9	277.6725	2019	1	18
## 659	6.9825	5.9	146.6325	2019	1	29
## 660	2.7725	4.9	58.2225	2019	2	26
## 661	6.4455	9.3	135.3555	2019	2	3
## 662	5.9990	7.9	125.9790	2019	1	16
## 663	17.6250	5.9	370.1250	2019	3	24
## 664	43.5500	9.9	914.5500	2019	2	12
## 665	9.8800	7.7	207.4800	2019	2	21
## 666	9.7260	7.6	204.2460	2019	2	4
## 667	8.6610	7.7	181.8810	2019	2	20
## 668	3.5940	6.4	75.4740	2019	2	23
## 669	14.3130	4.4	300.5730	2019	2	16
## 670	4.0620	4.1	85.3020	2019	1	17
## 671	28.0200	4.4	588.4200	2019	1	14
## 672	9.3400	5.5	196.1400	2019	3	30
## 673	11.0115	4.0	231.2415	2019	3	2
## 674	13.4560	9.3	282.5760	2019	2	15
## 675	22.7400	4.8	477.5400	2019	3	1
## 676	8.3770	4.6	175.9170	2019	2	24
## 677	22.4280	7.3	470.9880	2019	2	19
## 678	14.6940	6.0	308.5740	2019	2	23
## 679	29.4750	8.1	618.9750	2019	2	7
## 680	14.5500	9.4	305.5500	2019	1	11
## 681	1.9740	6.5	41.4540	2019	2	12
## 682	1.7405	7.0	36.5505	2019	1	14
## 683	14.7960	7.1	310.7160	2019	1	9
## 684	2.1480	6.6	45.1080	2019	2	27
## 685	6.9240	4.9	145.4040	2019	1	24
## 686	4.9100	6.4	103.1100	2019	1	8
## 687	6.4830	8.0	136.1430	2019	1	8
## 688	31.7800	4.3	667.3800	2019	1	16
## 689	7.2880	6.1	153.0480	2019	3	13
## 690	10.0650	7.5	211.3650	2019	2	15
## 691	31.5855	6.7	663.2955	2019	1	25
## 692	19.2640	5.2	404.5440	2019	3	12
## 693	24.3150	8.8	510.6150	2019	3	4
## 694	25.6830	9.5	539.3430	2019	2	10
## 695	23.6700	7.6	497.0700	2019	1	16
## 696	21.8425	6.6	458.6925	2019	1	29
## 697	5.4080	6.9	113.5680	2019	1	1
## 698	12.4380	4.3	261.1980	2019	1	6
## 699	31.3110	7.8	657.5310	2019	2	19
## 700	48.7500	8.0	1023.7500	2019	1	12
## 701	24.1640	9.6	507.4440	2019	2	7
## 702	4.8480	4.3	101.8080	2019	3	27
## 703	9.8850	5.0	207.5850	2019	2	27
## 704	36.2115	9.2	760.4415	2019	1	6
## 705	39.7755	6.3	835.2855	2019	3	2

## 706	25.1195	8.9	527.5095	2019	3	29
## 707	8.6000	7.6	180.6000	2019	1	31
## 708	3.4490	4.8	72.4290	2019	1	21
## 709	6.2480	9.1	131.2080	2019	1	20
## 710	3.8550	6.1	80.9550	2019	1	17
## 711	24.1860	9.1	507.9060	2019	2	28
## 712	15.1060	8.3	317.2260	2019	3	19
## 713	34.9335	7.2	733.6035	2019	2	19
## 714	6.2325	6.0	130.8825	2019	2	4
## 715	39.4800	8.5	829.0800	2019	1	31
## 716	8.9200	6.6	187.3200	2019	2	6
## 717	25.0110	4.5	525.2310	2019	3	28
## 718	1.7910	8.1	37.6110	2019	1	19
## 719	6.8070	7.2	142.9470	2019	2	17
## 720	5.2440	6.1	110.1240	2019	1	18
## 721	8.9460	7.1	187.8660	2019	2	2
## 722	40.7835	5.1	856.4535	2019	1	18
## 723	6.6180	7.9	138.9780	2019	3	18
## 724	12.8695	7.4	270.2595	2019	1	11
## 725	4.6680	7.4	98.0280	2019	2	4
## 726	11.4000	6.6	239.4000	2019	2	6
## 727	8.3355	5.9	175.0455	2019	1	8
## 728	34.8700	8.9	732.2700	2019	3	5
## 729	19.4520	6.8	408.4920	2019	3	16
## 730	18.2630	9.3	383.5230	2019	3	9
## 731	4.4640	4.4	93.7440	2019	3	1
## 732	8.4000	4.8	176.4000	2019	2	28
## 733	0.9850	9.5	20.6850	2019	2	8
## 734	26.5580	8.9	557.7180	2019	1	24
## 735	2.6860	6.4	56.4060	2019	3	1
## 736	40.9750	6.0	860.4750	2019	3	10
## 737	28.4200	8.1	596.8200	2019	3	23
## 738	29.3800	9.0	616.9800	2019	1	29
## 739	36.6240	6.0	769.1040	2019	1	12
## 740	42.2820	9.8	887.9220	2019	3	20
## 741	19.4635	8.5	408.7335	2019	3	23
## 742	4.2415	8.8	89.0715	2019	1	14
## 743	7.1630	8.8	150.4230	2019	2	12
## 744	3.7690	9.5	79.1490	2019	2	20
## 745	12.6680	5.6	266.0280	2019	1	2
## 746	1.9210	8.6	40.3410	2019	2	2
## 747	32.6150	5.2	684.9150	2019	1	8
## 748	2.6325	5.8	55.2825	2019	1	30
## 749	5.5305	8.0	116.1405	2019	3	26
## 750	28.4305	9.0	597.0405	2019	1	15
## 751	4.4640	4.1	93.7440	2019	3	14
## 752	6.8200	8.6	143.2200	2019	2	3
## 753	8.7100	7.0	182.9100	2019	2	22
## 754	18.3200	8.4	384.7200	2019	1	24
## 755	12.7305	7.4	267.3405	2019	1	25
## 756	38.9160	6.2	817.2360	2019	3	9
## 757	14.2960	4.9	300.2160	2019	2	17
## 758	28.9560	4.5	608.0760	2019	1	11
## 759	9.4250	5.6	197.9250	2019	2	27

## 760	11.0780	8.0	232.6380	2019	3	25
## 761	38.6000	5.6	810.6000	2019	2	11
## 762	36.0650	4.2	757.3650	2019	1	31
## 763	25.5520	9.9	536.5920	2019	1	20
## 764	2.6725	7.6	56.1225	2019	3	26
## 765	11.1000	6.6	233.1000	2019	1	20
## 766	38.1840	4.7	801.8640	2019	3	5
## 767	11.4090	9.8	239.5890	2019	1	5
## 768	4.1070	6.3	86.2470	2019	2	13
## 769	19.1280	7.9	401.6880	2019	3	16
## 770	3.4290	7.7	72.0090	2019	1	15
## 771	19.1080	4.5	401.2680	2019	2	26
## 772	30.0545	8.0	631.1445	2019	2	27
## 773	23.7965	5.7	499.7265	2019	2	17
## 774	2.6210	6.3	55.0410	2019	2	6
## 775	6.5650	6.0	137.8650	2019	1	17
## 776	7.2150	8.0	151.5150	2019	1	22
## 777	22.8585	4.2	480.0285	2019	3	5
## 778	4.6690	9.6	98.0490	2019	1	3
## 779	6.3125	6.1	132.5625	2019	3	20
## 780	39.5415	5.6	830.3715	2019	1	31
## 781	8.7200	8.3	183.1200	2019	2	19
## 782	18.9520	7.8	397.9920	2019	2	11
## 783	1.5310	4.1	32.1510	2019	2	5
## 784	17.6040	8.8	369.6840	2019	3	3
## 785	2.5400	4.1	53.3400	2019	2	24
## 786	26.1030	9.0	548.1630	2019	2	4
## 787	28.7560	5.5	603.8760	2019	2	19
## 788	2.7475	9.3	57.6975	2019	1	23
## 789	9.0705	5.6	190.4805	2019	1	14
## 790	20.6185	9.7	432.9885	2019	1	17
## 791	2.3205	4.0	48.7305	2019	3	3
## 792	13.7100	9.2	287.9100	2019	2	15
## 793	48.6850	4.9	1022.3850	2019	1	15
## 794	32.4100	9.3	680.6100	2019	2	27
## 795	4.6610	6.6	97.8810	2019	2	26
## 796	2.7180	4.3	57.0780	2019	3	15
## 797	3.0435	5.5	63.9135	2019	1	24
## 798	12.2450	8.1	257.1450	2019	2	22
## 799	4.6390	9.8	97.4190	2019	3	15
## 800	21.6725	9.4	455.1225	2019	2	11
## 801	6.9030	7.9	144.9630	2019	1	12
## 802	12.0800	5.1	253.6800	2019	3	3
## 803	23.5865	6.9	495.3165	2019	3	23
## 804	22.0320	8.0	462.6720	2019	3	4
## 805	34.0155	8.0	714.3255	2019	2	23
## 806	15.4940	4.2	325.3740	2019	3	17
## 807	9.3180	8.5	195.6780	2019	1	16
## 808	10.0460	9.0	210.9660	2019	1	8
## 809	0.8875	8.6	18.6375	2019	1	14
## 810	31.0900	6.0	652.8900	2019	1	31
## 811	4.3000	6.2	90.3000	2019	3	15
## 812	20.1300	5.0	422.7300	2019	2	24
## 813	16.2425	6.5	341.0925	2019	2	8

## 814	4.7575	6.0	99.9075	2019	3	22
## 815	19.4480	5.0	408.4080	2019	1	24
## 816	21.2840	5.0	446.9640	2019	3	14
## 817	15.9040	9.2	333.9840	2019	1	23
## 818	13.5520	9.6	284.5920	2019	1	19
## 819	19.2320	8.4	403.8720	2019	1	27
## 820	11.7900	6.0	247.5900	2019	2	3
## 821	10.5780	6.7	222.1380	2019	3	25
## 822	4.7680	4.1	100.1280	2019	2	24
## 823	0.5085	5.9	10.6785	2019	2	7
## 824	10.3065	8.7	216.4365	2019	3	4
## 825	21.0280	4.5	441.5880	2019	2	14
## 826	4.4020	6.6	92.4420	2019	1	29
## 827	32.4495	7.7	681.4395	2019	1	28
## 828	6.1920	8.5	130.0320	2019	3	26
## 829	32.4750	5.2	681.9750	2019	3	24
## 830	37.1100	4.3	779.3100	2019	1	1
## 831	4.2240	7.6	88.7040	2019	1	24
## 832	12.5140	9.5	262.7940	2019	2	25
## 833	4.7400	4.1	99.5400	2019	1	9
## 834	4.5650	9.2	95.8650	2019	2	14
## 835	14.2555	5.4	299.3655	2019	3	12
## 836	2.6190	5.8	54.9990	2019	3	26
## 837	9.6350	5.6	202.3350	2019	1	9
## 838	13.3890	5.1	281.1690	2019	1	2
## 839	27.9350	5.8	586.6350	2019	1	15
## 840	8.7660	5.0	184.0860	2019	1	1
## 841	7.7910	7.9	163.6110	2019	2	15
## 842	3.0150	6.0	63.3150	2019	2	28
## 843	3.9470	5.0	82.8870	2019	3	2
## 844	1.4870	8.9	31.2270	2019	2	13
## 845	1.0660	5.9	22.3860	2019	1	26
## 846	14.0670	5.9	295.4070	2019	1	30
## 847	3.6630	9.7	76.9230	2019	1	27
## 848	1.1190	8.6	23.4990	2019	1	30
## 849	32.7960	4.0	688.7160	2019	1	8
## 850	29.7300	4.2	624.3300	2019	1	19
## 851	3.7050	9.2	77.8050	2019	1	25
## 852	9.8480	9.2	206.8080	2019	2	19
## 853	18.6165	5.0	390.9465	2019	1	14
## 854	26.3950	10.0	554.2950	2019	2	25
## 855	23.9875	8.8	503.7375	2019	1	23
## 856	16.4295	4.2	345.0195	2019	2	16
## 857	8.4480	6.3	177.4080	2019	1	1
## 858	5.6620	8.2	118.9020	2019	3	7
## 859	17.2770	5.1	362.8170	2019	2	15
## 860	21.4335	5.0	450.1035	2019	1	23
## 861	4.3135	7.0	90.5835	2019	2	20
## 862	1.2760	7.8	26.7960	2019	1	8
## 863	5.0760	4.3	106.5960	2019	3	17
## 864	17.8745	7.0	375.3645	2019	1	12
## 865	11.9385	6.6	250.7085	2019	1	8
## 866	5.0715	7.3	106.5015	2019	1	26
## 867	36.2120	6.5	760.4520	2019	3	15

## 868	6.2820	4.9	131.9220	2019	1	17
## 869	3.6465	4.3	76.5765	2019	1	8
## 870	12.9180	9.3	271.2780	2019	1	6
## 871	8.6870	7.1	182.4270	2019	2	16
## 872	2.8250	9.6	59.3250	2019	3	13
## 873	10.7150	6.2	225.0150	2019	1	28
## 874	26.7180	9.9	561.0780	2019	1	18
## 875	4.6580	5.9	97.8180	2019	3	19
## 876	26.1040	6.3	548.1840	2019	3	15
## 877	2.6175	4.0	54.9675	2019	2	12
## 878	1.9875	6.1	41.7375	2019	2	25
## 879	36.0080	4.5	756.1680	2019	3	21
## 880	4.8400	8.6	101.6400	2019	1	19
## 881	16.6050	6.0	348.7050	2019	1	8
## 882	4.0720	9.5	85.5120	2019	3	30
## 883	15.9950	9.9	335.8950	2019	2	20
## 884	10.3260	7.5	216.8460	2019	3	30
## 885	8.3340	7.6	175.0140	2019	3	19
## 886	15.9530	5.0	335.0130	2019	1	13
## 887	4.3950	6.7	92.2950	2019	2	5
## 888	36.7350	9.5	771.4350	2019	3	23
## 889	4.8760	6.8	102.3960	2019	3	13
## 890	38.4600	5.6	807.6600	2019	3	17
## 891	20.9150	7.2	439.2150	2019	2	21
## 892	23.1640	8.1	486.4440	2019	2	7
## 893	23.1225	8.6	485.5725	2019	3	2
## 894	7.0950	9.4	148.9950	2019	3	6
## 895	15.1350	8.9	317.8350	2019	2	6
## 896	39.6640	4.2	832.9440	2019	1	28
## 897	21.2590	5.0	446.4390	2019	1	18
## 898	14.1810	8.8	297.8010	2019	2	5
## 899	29.9600	5.3	629.1600	2019	3	2
## 900	15.7680	4.6	331.1280	2019	2	9
## 901	20.1780	7.5	423.7380	2019	1	14
## 902	9.1940	5.1	193.0740	2019	2	9
## 903	6.9325	4.2	145.5825	2019	3	26
## 904	4.0355	8.1	84.7455	2019	1	28
## 905	5.8320	6.0	122.4720	2019	2	14
## 906	15.6760	7.9	329.1960	2019	3	24
## 907	42.3050	8.8	888.4050	2019	2	9
## 908	20.7200	6.6	435.1200	2019	3	24
## 909	7.9540	6.2	167.0340	2019	3	27
## 910	24.5050	4.2	514.6050	2019	1	27
## 911	4.3725	7.3	91.8225	2019	3	27
## 912	11.2260	8.6	235.7460	2019	1	19
## 913	37.2480	6.8	782.2080	2019	2	7
## 914	20.5360	7.6	431.2560	2019	1	31
## 915	14.9400	5.8	313.7400	2019	2	25
## 916	10.6470	4.1	223.5870	2019	2	2
## 917	2.1425	9.3	44.9925	2019	3	14
## 918	18.9340	6.8	397.6140	2019	3	11
## 919	10.3455	8.7	217.2555	2019	2	22
## 920	3.9390	6.3	82.7190	2019	3	2
## 921	16.1055	5.1	338.2155	2019	3	10

## 922	4.9110	7.0	103.1310	2019	2	8
## 923	1.2730	5.2	26.7330	2019	2	22
## 924	29.0990	6.6	611.0790	2019	1	10
## 925	10.5660	6.5	221.8860	2019	3	14
## 926	2.7560	9.0	57.8760	2019	1	10
## 927	4.4155	5.2	92.7255	2019	2	15
## 928	17.8290	6.8	374.4090	2019	1	13
## 929	39.7125	7.6	833.9625	2019	2	15
## 930	2.5310	7.2	53.1510	2019	3	2
## 931	29.9760	7.1	629.4960	2019	3	24
## 932	8.3350	9.5	175.0350	2019	2	2
## 933	37.2200	5.1	781.6200	2019	2	27
## 934	22.4280	7.6	470.9880	2019	1	20
## 935	18.9450	9.8	397.8450	2019	1	3
## 936	12.8580	5.1	270.0180	2019	1	24
## 937	27.6115	7.5	579.8415	2019	1	5
## 938	22.3700	7.4	469.7700	2019	3	30
## 939	13.8135	4.2	290.0835	2019	2	17
## 940	17.1870	5.9	360.9270	2019	3	21
## 941	13.3040	6.9	279.3840	2019	3	2
## 942	44.9190	6.6	943.2990	2019	3	27
## 943	22.8400	5.7	479.6400	2019	1	19
## 944	12.6975	5.3	266.6475	2019	2	19
## 945	3.5280	4.2	74.0880	2019	3	28
## 946	32.8580	7.3	690.0180	2019	1	5
## 947	8.4250	5.3	176.9250	2019	3	26
## 948	2.6890	4.7	56.4690	2019	2	3
## 949	8.9525	7.9	188.0025	2019	2	6
## 950	10.5720	8.9	222.0120	2019	2	24
## 951	5.9865	9.3	125.7165	2019	2	21
## 952	3.2850	4.7	68.9850	2019	1	9
## 953	12.5700	8.7	263.9700	2019	2	25
## 954	4.2080	7.6	88.3680	2019	1	13
## 955	19.7730	5.7	415.2330	2019	2	9
## 956	14.8995	6.8	312.8895	2019	1	6
## 957	22.7205	5.4	477.1305	2019	1	10
## 958	13.8060	7.1	289.9260	2019	2	7
## 959	7.9000	7.8	165.9000	2019	1	9
## 960	44.3970	8.4	932.3370	2019	2	19
## 961	4.5990	9.8	96.5790	2019	3	18
## 962	2.0890	9.8	43.8690	2019	2	5
## 963	0.7750	7.4	16.2750	2019	3	19
## 964	14.5230	6.7	304.9830	2019	3	30
## 965	3.3330	6.4	69.9930	2019	1	26
## 966	3.8270	5.8	80.3670	2019	3	2
## 967	14.9850	7.2	314.6850	2019	3	4
## 968	12.1515	9.3	255.1815	2019	1	13
## 969	2.3700	9.5	49.7700	2019	3	25
## 970	8.6225	9.0	181.0725	2019	3	11
## 971	42.3150	9.0	888.6150	2019	1	1
## 972	12.9185	6.7	271.2885	2019	2	10
## 973	30.4780	5.5	640.0380	2019	1	26
## 974	12.0120	5.4	252.2520	2019	2	11
## 975	8.6130	8.2	180.8730	2019	2	7


```
## 976      4.9920      7.0 104.8320 2019      3      6
## 977     14.9320      8.5 313.5720 2019      3      4
## 978      7.9800      4.9 167.5800 2019      2     26
## 979      1.2725      5.1  26.7225 2019      3     10
## 980      3.3885      6.5  71.1585 2019      2      4
## 981     11.9180      9.8 250.2780 2019      1     19
## 982     11.6300      8.4 244.2300 2019      1     23
## 983     43.8660      7.4 921.1860 2019      3     14
## 984     34.9860      6.1 734.7060 2019      1     23
## 985     33.7295      6.0 708.3195 2019      1      9
## 986     15.9275      8.5 334.4775 2019      2      7
## 987      1.4760      4.3  30.9960 2019      2     18
## 988     24.8000      6.2 520.8000 2019      1      3
## 989     41.1700      4.3 864.5700 2019      3     29
## 990     30.1480      8.4 633.1080 2019      1     28
## 991     14.1400      4.5 296.9400 2019      3     22
## 992     38.3000      6.0 804.3000 2019      1     24
## 993      5.8030      8.8 121.8630 2019      3     10
## 994      8.7450      6.6 183.6450 2019      2     22
## 995      3.0475      5.9  63.9975 2019      2     18
## 996      2.0175      6.2  42.3675 2019      1     29
## 997     48.6900      4.4 1022.4900 2019      3      2
## 998      1.5920      7.7  33.4320 2019      2      9
## 999      3.2910      4.1  69.1110 2019      2     22
## 1000     30.9190      6.6 649.2990 2019      2     18
```

```
#drop the date column
sales$Date<-NULL
```

```
colSums(is.na(sales))
```

```
##      Invoice.ID      Branch      Customer.type
##           0           0           0
##      Gender      Product.line      Unit.price
##           0           0           0
##      Quantity      Tax      hours
##           0           0           0
##      minutes      Payment      cogs
##           0           0           0
## gross.margin.percentage      gross.income      Rating
##           0           0           0
##      Total      year      month
##           0           0           0
##      day
##           0
```

```
sapply(sales, class)
```

```
##      Invoice.ID      Branch      Customer.type
## "character"      "integer"      "integer"
##      Gender      Product.line      Unit.price
## "integer"      "integer"      "numeric"
##      Quantity      Tax      hours
```

```
##           "integer"           "numeric"           "character"
##           minutes           Payment              cogs
##           "character"        "integer"           "numeric"
## gross.margin.percentage      gross.income         Rating
##           "numeric"         "numeric"           "numeric"
##           Total              year                month
##           "numeric"         "numeric"           "numeric"
##           day
##           "integer"
```

Select numeric columns

```
sales_df <- subset(sales, select = c(Branch, Customer.type, Gender, Product.line, Unit.price, Payment,
names(sales_df)
```

```
## [1] "Branch"      "Customer.type" "Gender"        "Product.line"
## [5] "Unit.price"   "Payment"       "Quantity"      "Tax"
## [9] "cogs"         "gross.income" "Rating"        "Total"
## [13] "month"        "day"
```

1. PCA

```
supply_pca <- prcomp(sales_df, center = TRUE, scale. = TRUE)
summary(supply_pca)
```

```
## Importance of components:
##           PC1      PC2      PC3      PC4      PC5      PC6      PC7
## Standard deviation  2.2203 1.08227 1.06969 1.02580 1.00895 0.99359 0.97647
## Proportion of Variance 0.3521 0.08367 0.08173 0.07516 0.07271 0.07052 0.06811
## Cumulative Proportion 0.3521 0.43578 0.51751 0.59267 0.66538 0.73590 0.80401
##           PC8      PC9      PC10     PC11     PC12     PC13
## Standard deviation  0.96596 0.94903 0.9057 0.29961 4.207e-16 1.418e-16
## Proportion of Variance 0.06665 0.06433 0.0586 0.00641 0.000e+00 0.000e+00
## Cumulative Proportion 0.87066 0.93499 0.9936 1.00000 1.000e+00 1.000e+00
##           PC14
## Standard deviation  1.06e-16
## Proportion of Variance 0.00e+00
## Cumulative Proportion 1.00e+00
```

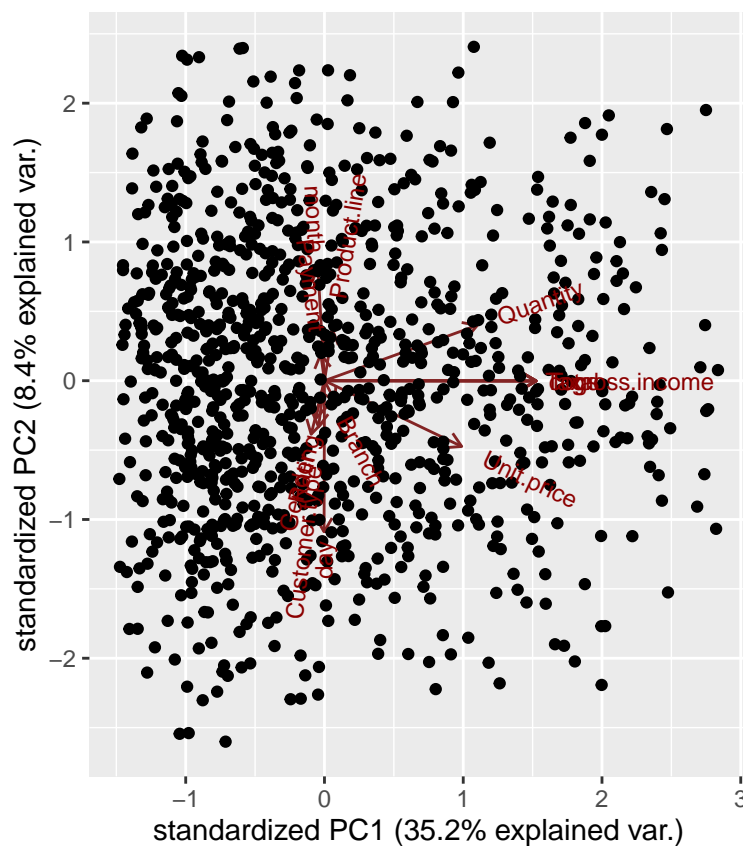
From performing PCA, we have obtained 14 principle components. PC1 has the highest variance of 35%.

```
#pca objects
str(supply_pca)
```

```
## List of 5
## $ sdev      : num [1:14] 2.22 1.08 1.07 1.03 1.01 ...
## $ rotation: num [1:14, 1:14] 0.0226 -0.0126 -0.0283 0.0175 0.2912 ...
## .. attr(*, "dimnames")=List of 2
## .. ..$ : chr [1:14] "Branch" "Customer.type" "Gender" "Product.line" ...
```

```
## .. ..$ : chr [1:14] "PC1" "PC2" "PC3" "PC4" ...
## $ center : Named num [1:14] 1.99 1.5 1.5 3.45 55.67 ...
## ..- attr(*, "names")= chr [1:14] "Branch" "Customer.type" "Gender" "Product.line" ...
## $ scale : Named num [1:14] 0.818 0.5 0.5 1.715 26.495 ...
## ..- attr(*, "names")= chr [1:14] "Branch" "Customer.type" "Gender" "Product.line" ...
## $ x : num [1:1000, 1:14] 2.03 -2.291 0.118 1.471 2.745 ...
## ..- attr(*, "dimnames")=List of 2
## .. ..$ : chr [1:1000] "1" "2" "3" "4" ...
## .. ..$ : chr [1:14] "PC1" "PC2" "PC3" "PC4" ...
## - attr(*, "class")= chr "prcomp"
```

```
# visualize the principal components
ggbiplot(supply_pca)
```



The quantity, gross income, unit price and ranch contribute to PC1.

2. FEATURE SELECTION

a.Filter Method

```
# calculate correlation matrix
correlationmatrix <- cor(sales_df)
```

```
# find high correlated values
hcorrelated <- findCorrelation(correlationmatrix, cutoff = 0.75)
hcorrelated
```

```
## [1] 8 9 10
```

variables 8,9 and 10 are highly correlated

```
# naming the highly correlated values
names(sales_df[, hcorrelated])
```

```
## [1] "Tax"          "cogs"          "gross.income"
```

```
# remove the highly correlated vales
sales_df <- sales_df[-hcorrelated]
```

Tax, cogs and gross income have been dropped because they are highly correlated.

3. Association Analysis

It is used when you want to find an association between different objects in a set and find frequent patterns in a transaction database. It helps in knowing which items customers frequently buy together by generating a set of rules called Association Rules. The Support is the freq

Load the dataset

```
# import the necessary libraries
library(arules) # provides the infrastructure for representing, manipulation and analyzing transactions
```

```
## Loading required package: Matrix
```

```
##
```

```
## Attaching package: 'Matrix'
```

```
## The following objects are masked from 'package:tidyr':
```

```
##
```

```
## expand, pack, unpack
```

```
##
```

```
## Attaching package: 'arules'
```

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

```
##
```

```
## recode
```

```
## The following objects are masked from 'package:base':
```

```
##
```

```
## abbreviate, write
```

```
library(arulesViz) # for various viz techniques
```

```
## Registered S3 method overwritten by 'seriation':  
##   method      from  
## reorder.hclust gclus
```

```
library(ggplot2) # create graphics and charts
```

```
# import the csv file using transactions  
supermarket <- read.transactions('Supermarket_Sales_Dataset II.csv', sep = ',')
```

```
## Warning in asMethod(object): removing duplicated items in transactions
```

```
# preview the first 5 columns  
inspect(supermarket[1:5])
```

```
##      items  
## [1] {almonds,  
##      antioxydant juice,  
##      avocado,  
##      cottage cheese,  
##      energy drink,  
##      frozen smoothie,  
##      green grapes,  
##      green tea,  
##      honey,  
##      low fat yogurt,  
##      mineral water,  
##      olive oil,  
##      salad,  
##      salmon,  
##      shrimp,  
##      spinach,  
##      tomato juice,  
##      vegetables mix,  
##      whole weat flour,  
##      yams}  
## [2] {burgers,  
##      eggs,  
##      meatballs}  
## [3] {chutney}  
## [4] {avocado,  
##      turkey}  
## [5] {energy bar,  
##      green tea,  
##      milk,  
##      mineral water,  
##      whole wheat rice}
```

```
class(supermarket)

## [1] "transactions"
## attr(,"package")
## [1] "arules"

# preview items that make p our dataset
items <- as.data.frame(itemLabels(supermarket))
colnames(items) <- 'items'
head(items,10)
```

```
##           items
## 1         almonds
## 2 antioxydant juice
## 3         asparagus
## 4         avocado
## 5         babies food
## 6           bacon
## 7    barbecue sauce
## 8         black tea
## 9        blueberries
## 10        body spray
```

This displays some of the items in the dataset we will be working with.

```
# data summary
summary(supermarket)
```

```
## transactions as itemMatrix in sparse format with
## 7501 rows (elements/itemsets/transactions) and
## 119 columns (items) and a density of 0.03288973
##
## most frequent items:
## mineral water      eggs      spaghetti  french fries      chocolate
##           1788           1348           1306           1282           1229
##      (Other)
##           22405
##
## element (itemset/transaction) length distribution:
## sizes
##   1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16
## 1754 1358 1044  816  667  493  391  324  259  139  102   67   40   22   17    4
##   18   19   20
##    1    2    1
##
##   Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##   1.000  2.000   3.000   3.914   5.000  20.000
##
## includes extended item information - examples:
##           labels
## 1           almonds
## 2 antioxydant juice
## 3           asparagus
```

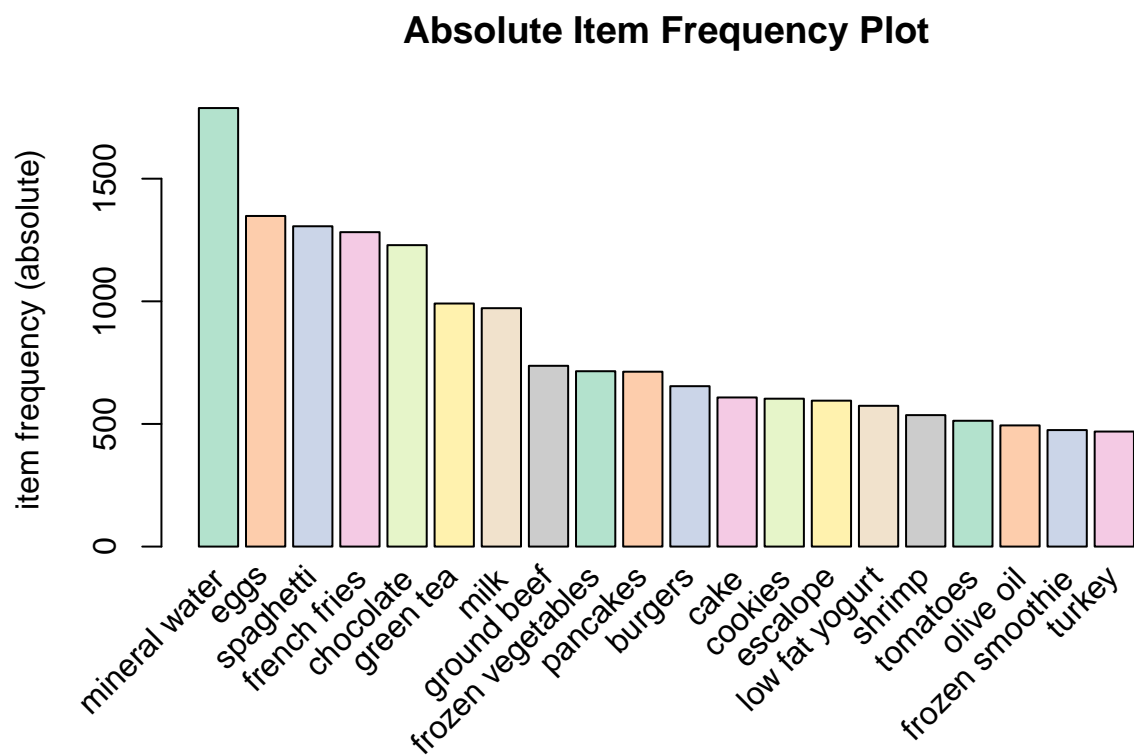
There are 7501 rows and 5729 columns. The most frequent items are mineral water, eggs, spaghetti, french fries and chocolate. The `element(itemset)` is telling us how many transactions are there for 1-itemset and so on. The first row represents the number of items and the second row represents the number of transactions.

An item frequency plot to create an item frequency bar plot to view the distribution of objects. Plot for top 20 items

```
# Create an item frequency plot for the top 20 items
if (!require("RColorBrewer")) {
  # install color package of R
  install.packages("RColorBrewer")
  #include library RColorBrewer
  library(RColorBrewer)
}
```

```
## Loading required package: RColorBrewer
```

```
itemFrequencyPlot(supermarket, topN=20, type="absolute", col=brewer.pal(8, 'Pastel2'), main="Absolute Item Frequency Plot")
```



The frequency plot shows the top 20 items that appeared frequently. mineral water and eggs have the most frequent sales.

Generating rules use Apriori algorithm

```
# use the default values
mkt_rules <- apriori(supermarket)
```

```
## Apriori
##
## Parameter specification:
## confidence minval smax arem aval originalSupport maxtime support minlen
##          0.8   0.1   1 none FALSE          TRUE     5    0.1     1
## maxlen target  ext
##      10  rules TRUE
##
## Algorithmic control:
## filter tree heap memopt load sort verbose
##    0.1 TRUE TRUE  FALSE TRUE    2    TRUE
##
## Absolute minimum support count: 750
##
## set item appearances ...[0 item(s)] done [0.00s].
## set transactions ...[119 item(s), 7501 transaction(s)] done [0.00s].
## sorting and recoding items ... [7 item(s)] done [0.00s].
## creating transaction tree ... done [0.00s].
## checking subsets of size 1 2 done [0.00s].
## writing ... [0 rule(s)] done [0.00s].
## creating S4 object ... done [0.00s].
```

Using the default value outputs 0 rules. Therefore we will choose the appropriate parameters to work with.

```
# min support as 0.001, confidence as 0.8
rules <- apriori(supermarket, parameter = list(supp = 0.001, conf = 0.8))
```

```
## Apriori
##
## Parameter specification:
## confidence minval smax arem aval originalSupport maxtime support minlen
##          0.8   0.1   1 none FALSE          TRUE     5    0.001    1
## maxlen target  ext
##      10  rules TRUE
##
## Algorithmic control:
## filter tree heap memopt load sort verbose
##    0.1 TRUE TRUE  FALSE TRUE    2    TRUE
##
## Absolute minimum support count: 7
##
## set item appearances ...[0 item(s)] done [0.00s].
## set transactions ...[119 item(s), 7501 transaction(s)] done [0.00s].
## sorting and recoding items ... [116 item(s)] done [0.00s].
## creating transaction tree ... done [0.00s].
## checking subsets of size 1 2 3 4 5 6 done [0.01s].
## writing ... [74 rule(s)] done [0.00s].
## creating S4 object ... done [0.00s].
```

A support of 0.001 and a confidence of 0.8 . The absolute minimum support count is 7


```
summary(rules)
```

```
## set of 74 rules
##
## rule length distribution (lhs + rhs):sizes
##  3  4  5  6
## 15 42 16  1
##
##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##      3.000  4.000  4.000  4.041  4.000  6.000
##
## summary of quality measures:
##      support      confidence      coverage      lift
##  Min.   :0.001067  Min.   :0.8000  Min.   :0.001067  Min.   : 3.356
## 1st Qu.:0.001067 1st Qu.:0.8000 1st Qu.:0.001333 1st Qu.: 3.432
## Median :0.001133 Median :0.8333 Median :0.001333 Median : 3.795
## Mean   :0.001256 Mean   :0.8504 Mean   :0.001479 Mean   : 4.823
## 3rd Qu.:0.001333 3rd Qu.:0.8889 3rd Qu.:0.001600 3rd Qu.: 4.877
## Max.   :0.002533 Max.   :1.0000 Max.   :0.002666 Max.   :12.722
##      count
##  Min.   : 8.000
## 1st Qu.: 8.000
## Median : 8.500
## Mean   : 9.419
## 3rd Qu.:10.000
## Max.   :19.000
##
## mining info:
##      data ntransactions support confidence
## supermarket      7501    0.001      0.8
```

The set of rules is 74. The maximum support is 0.002 and its minimum is 0.001. The average support is 0.001. The maximum support is at 1 and the minimum is at 0.8 The max lift is 12.72 and the lowest is 3.35

```
# inspect the first rules
inspect(rules[1:10])
```

```
##      lhs                                rhs      support    confidence
## [1] {frozen smoothie,spinach} => {mineral water} 0.001066524 0.8888889
## [2] {bacon,pancakes}          => {spaghetti}    0.001733102 0.8125000
## [3] {nonfat milk,turkey}       => {mineral water} 0.001199840 0.8181818
## [4] {ground beef,nonfat milk} => {mineral water} 0.001599787 0.8571429
## [5] {mushroom cream sauce,pasta} => {escalope}      0.002532996 0.9500000
## [6] {milk,pasta}               => {shrimp}        0.001599787 0.8571429
## [7] {cooking oil,fromage blanc} => {mineral water} 0.001199840 0.8181818
## [8] {black tea,salmon}         => {mineral water} 0.001066524 0.8000000
## [9] {black tea,frozen smoothie} => {milk}          0.001199840 0.8181818
## [10] {red wine,tomato sauce}    => {chocolate}    0.001066524 0.8000000
##      coverage lift      count
## [1] 0.001199840 3.729058  8
## [2] 0.002133049 4.666587 13
## [3] 0.001466471 3.432428  9
```

```
## [4] 0.001866418 3.595877 12
## [5] 0.002666311 11.976387 19
## [6] 0.001866418 11.995203 12
## [7] 0.001466471 3.432428 9
## [8] 0.001333156 3.356152 8
## [9] 0.001466471 6.313973 9
## [10] 0.001333156 4.882669 8
```

From the above inspection, we observe that a customer who purchased frozen smoothie,spinach also purchased mineral water. 81% of the customers who bought bacon and pancakes also bought spaghetti Most lift are greater than 1 meaning the variables are positively correlated.

Sorting the rules by confidence

```
rules <- sort(rules, by = 'confidence', decreasing = T)
inspect(rules[1:10])
```

##	lhs	rhs	support	confidence	coverage	lift	count
## [1]	{french fries, mushroom cream sauce, pasta}	=> {escalope}	0.001066524	1.0000000	0.001066524	12.606723	8
## [2]	{ground beef, light cream, olive oil}	=> {mineral water}	0.001199840	1.0000000	0.001199840	4.195190	9
## [3]	{cake, meatballs, mineral water}	=> {milk}	0.001066524	1.0000000	0.001066524	7.717078	8
## [4]	{cake, olive oil, shrimp}	=> {mineral water}	0.001199840	1.0000000	0.001199840	4.195190	9
## [5]	{mushroom cream sauce, pasta}	=> {escalope}	0.002532996	0.9500000	0.002666311	11.976387	19
## [6]	{red wine, soup}	=> {mineral water}	0.001866418	0.9333333	0.001999733	3.915511	14
## [7]	{eggs, mineral water, pasta}	=> {shrimp}	0.001333156	0.9090909	0.001466471	12.722185	10
## [8]	{herb & pepper, mineral water, rice}	=> {ground beef}	0.001333156	0.9090909	0.001466471	9.252498	10
## [9]	{ground beef, pancakes, whole wheat rice}	=> {mineral water}	0.001333156	0.9090909	0.001466471	3.813809	10
## [10]	{frozen vegetables, milk, spaghetti, turkey}	=> {mineral water}	0.001199840	0.9000000	0.001333156	3.775671	9

The above rules are sorted by confidence. 100% of the customers who bought french fries,mushrrom cream sauce and pasta also bought escalope

checking for duplicates

```

redundant_rules <- is.redundant(rules)
summary(redundant_rules)

```

```

##      Mode   FALSE   TRUE
## logical     73     1

```

only one rule which is duplicate

```

#remove the duplicates
rules <-rules[!redundant_rules]
rules

```

```

## set of 73 rules

```

```

#review the items
inspect(rules[1:10])

```

##	lhs	rhs	support	confidence	coverage	lift	count
## [1]	{french fries,						
##	mushroom cream sauce,						
##	pasta}	=> {escalope}	0.001066524	1.0000000	0.001066524	12.606723	8
## [2]	{ground beef,						
##	light cream,						
##	olive oil}	=> {mineral water}	0.001199840	1.0000000	0.001199840	4.195190	9
## [3]	{cake,						
##	meatballs,						
##	mineral water}	=> {milk}	0.001066524	1.0000000	0.001066524	7.717078	8
## [4]	{cake,						
##	olive oil,						
##	shrimp}	=> {mineral water}	0.001199840	1.0000000	0.001199840	4.195190	9
## [5]	{mushroom cream sauce,						
##	pasta}	=> {escalope}	0.002532996	0.9500000	0.002666311	11.976387	19
## [6]	{red wine,						
##	soup}	=> {mineral water}	0.001866418	0.9333333	0.001999733	3.915511	14
## [7]	{eggs,						
##	mineral water,						
##	pasta}	=> {shrimp}	0.001333156	0.9090909	0.001466471	12.722185	10
## [8]	{herb & pepper,						
##	mineral water,						
##	rice}	=> {ground beef}	0.001333156	0.9090909	0.001466471	9.252498	10
## [9]	{ground beef,						
##	pancakes,						
##	whole wheat rice}	=> {mineral water}	0.001333156	0.9090909	0.001466471	3.813809	10
## [10]	{frozen vegetables,						
##	milk,						
##	spaghetti,						
##	turkey}	=> {mineral water}	0.001199840	0.9000000	0.001333156	3.775671	9

Choosing other parameters to increase the number of rules

```
# min support as 0.001, confidence as 0.6
rules2 <- apriori(supermarket, parameter = list(supp = 0.001, conf = 0.6))
```

```
## Apriori
##
## Parameter specification:
## confidence minval smax arem aval originalSupport maxtime support minlen
##          0.6    0.1    1 none FALSE             TRUE      5  0.001      1
## maxlen target  ext
##          10 rules TRUE
##
## Algorithmic control:
## filter tree heap memopt load sort verbose
##      0.1 TRUE TRUE  FALSE TRUE    2    TRUE
##
## Absolute minimum support count: 7
##
## set item appearances ...[0 item(s)] done [0.00s].
## set transactions ...[119 item(s), 7501 transaction(s)] done [0.00s].
## sorting and recoding items ... [116 item(s)] done [0.00s].
## creating transaction tree ... done [0.00s].
## checking subsets of size 1 2 3 4 5 6 done [0.00s].
## writing ... [545 rule(s)] done [0.00s].
## creating S4 object ... done [0.00s].
```

The number of rules increases to 545

```
summary(rules2)
```

```
## set of 545 rules
##
## rule length distribution (lhs + rhs):sizes
##   3   4   5   6
## 146 329  67   3
##
##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##   3.000   3.000   4.000   3.866   4.000   6.000
##
## summary of quality measures:
##      support      confidence      coverage      lift
##   Min.   :0.001067   Min.   :0.6000   Min.   :0.001067   Min.   : 2.517
##   1st Qu.:0.001067   1st Qu.:0.6250   1st Qu.:0.001600   1st Qu.: 2.797
##   Median :0.001200   Median :0.6667   Median :0.001866   Median : 3.446
##   Mean   :0.001409   Mean   :0.6893   Mean   :0.002081   Mean   : 3.889
##   3rd Qu.:0.001466   3rd Qu.:0.7273   3rd Qu.:0.002266   3rd Qu.: 4.177
##   Max.   :0.005066   Max.   :1.0000   Max.   :0.007999   Max.   :34.970
##      count
##   Min.   : 8.00
##   1st Qu.: 8.00
##   Median : 9.00
##   Mean   :10.57
##   3rd Qu.:11.00
```

```
## Max. :38.00
##
## mining info:
## data ntransactions support confidence
## supermarket 7501 0.001 0.6
```

```
# inspect the first rules
inspect(rules2[1:10])
```

```
##      lhs                                rhs      support    confidence
## [1] {cookies,shallot} => {low fat yogurt} 0.001199840 0.6000000
## [2] {low fat yogurt,shallot} => {cookies} 0.001199840 0.6923077
## [3] {cookies,shallot} => {green tea} 0.001199840 0.6000000
## [4] {cookies,shallot} => {french fries} 0.001199840 0.6000000
## [5] {low fat yogurt,shallot} => {french fries} 0.001066524 0.6153846
## [6] {burger sauce,chicken} => {mineral water} 0.001066524 0.6666667
## [7] {frozen smoothie,spinach} => {mineral water} 0.001066524 0.8888889
## [8] {milk,spinach} => {mineral water} 0.001066524 0.6666667
## [9] {spaghetti,spinach} => {mineral water} 0.001333156 0.7142857
## [10] {olive oil,strong cheese} => {spaghetti} 0.001066524 0.7272727
##      coverage lift count
## [1] 0.001999733 7.840767 9
## [2] 0.001733102 8.611940 9
## [3] 0.001999733 4.541473 9
## [4] 0.001999733 3.510608 9
## [5] 0.001733102 3.600624 8
## [6] 0.001599787 2.796793 8
## [7] 0.001199840 3.729058 8
## [8] 0.001599787 2.796793 8
## [9] 0.001866418 2.996564 10
## [10] 0.001466471 4.177085 8
```

60% of customers who bought cookies and shallot also bough low fat yogurt.

sort by confidence

```
rules2 <- sort(rules2, by = 'confidence', decreasing = T)
inspect(rules2[1:10])
```

```
##      lhs                                rhs      support confidence    coverage    lift count
## [1] {french fries,
##      mushroom cream sauce,
##      pasta} => {escalope} 0.001066524 1.0000000 0.001066524 12.606723 8
## [2] {ground beef,
##      light cream,
##      olive oil} => {mineral water} 0.001199840 1.0000000 0.001199840 4.195190 9
## [3] {cake,
##      meatballs,
##      mineral water} => {milk} 0.001066524 1.0000000 0.001066524 7.717078 8
## [4] {cake,
##      olive oil,
##      shrimp} => {mineral water} 0.001199840 1.0000000 0.001199840 4.195190 9
## [5] {mushroom cream sauce,
```

```
##      pasta}                => {escalope}          0.002532996  0.9500000 0.002666311 11.976387    19
## [6] {red wine,              => {mineral water} 0.001866418  0.9333333 0.001999733  3.915511    14
##      soup}
## [7] {eggs,                  => {shrimp}          0.001333156  0.9090909 0.001466471 12.722185    10
##      mineral water,
##      pasta}
## [8] {herb & pepper,          => {ground beef}   0.001333156  0.9090909 0.001466471  9.252498    10
##      mineral water,
##      rice}
## [9] {ground beef,            => {mineral water} 0.001333156  0.9090909 0.001466471  3.813809    10
##      pancakes,
##      whole wheat rice}
## [10] {frozen vegetables,      => {mineral water} 0.001199840  0.9000000 0.001333156  3.775671     9
##      milk,
##      spaghetti,
##      turkey}
```

The maximum confidence is at 100% and the minimum is at 60%

```
redundant_rules2 <- is.redundant(rules2)
summary(redundant_rules2)
```

```
##      Mode   FALSE    TRUE
## logical    533     12
```

```
#drop the duplicates
#remove the duplicates
rules2 <-rules2[!redundant_rules2]
rules2
```

set of 533 rules

```
# inspect first 5 rules
inspect(rules[1:10])
```

```
##      lhs                rhs                support confidence    coverage    lift count
## [1] {french fries,      => {escalope}          0.001066524  1.0000000 0.001066524 12.606723     8
##      mushroom cream sauce,
##      pasta}
## [2] {ground beef,      => {mineral water} 0.001199840  1.0000000 0.001199840  4.195190     9
##      light cream,
##      olive oil}
## [3] {cake,              => {milk}            0.001066524  1.0000000 0.001066524  7.717078     8
##      meatballs,
##      mineral water}
## [4] {cake,              => {mineral water} 0.001199840  1.0000000 0.001199840  4.195190     9
##      olive oil,
##      shrimp}
## [5] {mushroom cream sauce, => {escalope}          0.002532996  0.9500000 0.002666311 11.976387    19
##      pasta}
## [6] {red wine,          => {mineral water} 0.001866418  0.9333333 0.001999733  3.915511    14
##      soup}
```

```
## [7] {eggs,
##      mineral water,
##      pasta}          => {shrimp}          0.001333156  0.9090909 0.001466471 12.722185    10
## [8] {herb & pepper,
##      mineral water,
##      rice}           => {ground beef}    0.001333156  0.9090909 0.001466471  9.252498    10
## [9] {ground beef,
##      pancakes,
##      whole wheat rice} => {mineral water} 0.001333156  0.9090909 0.001466471  3.813809    10
## [10] {frozen vegetables,
##      milk,
##      spaghetti,
##      turkey}         => {mineral water} 0.001199840  0.9000000 0.001333156  3.775671     9
```

ANOMALY DETECTION

It is the process of identifying unexpected items or events in datasets, which differ from the norm.

```
# load the necessary libraries
library(tidyverse)
library(anomalize)
```

```
## == Use anomalize to improve your Forecasts by 50%! =====
## Business Science offers a 1-hour course - Lab #18: Time Series Anomaly Detection!
## </> Learn more at: https://university.business-science.io/p/learning-labs-pro </>
```

```
library(tibbletime)
```

```
##
## Attaching package: 'tibbletime'

## The following object is masked from 'package:stats':
##
##      filter
```

```
library('dplyr')
library(devtools)
```

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

Load the data

```
df <- read.csv('Supermarket_Sales_Forecasting - Sales.csv')
head(df)
```

```
##      Date    Sales
## 1 1/5/2019 548.9715
## 2 3/8/2019  80.2200
## 3 3/3/2019 340.5255
## 4 1/27/2019 489.0480
## 5 2/8/2019 634.3785
## 6 3/25/2019 627.6165
```

change date into datetime format

```
df$Date <- as.POSIXct(df$Date, format = '%m/%d/%Y')
```

create class tbl_time

```
df <- as_tbl_time(df, Date)
```

```
str(df)
```

```
## tibble [1,000 x 2] (S3: tbl_time/tbl_df/tbl/data.frame)
## $ Date : POSIXct[1:1000], format: "2019-01-05" "2019-03-08" ...
## $ Sales: num [1:1000] 549 80.2 340.5 489 634.4 ...
## - attr(*, "index_quo")= language ~Date
## ..- attr(*, ".Environment")=<environment: R_GlobalEnv>
## - attr(*, "index_time_zone")= chr ""
```

apply anomaly detection which contains 3 functions i.e time_decompose(), anomalize() and time_recompose()

```
df_anomalized <- df %>%
  time_decompose(Sales, merge = TRUE) %>%
  anomalize(remainder) %>%
  time_recompose()
```

```
## Note: Index not ordered. tibblertime assumes index is in ascending order. Results may not be as desired
```

```
## frequency = 12 seconds
```

```
## Note: Index not ordered. tibblertime assumes index is in ascending order. Results may not be as desired
```

```
## trend = 12 seconds
```

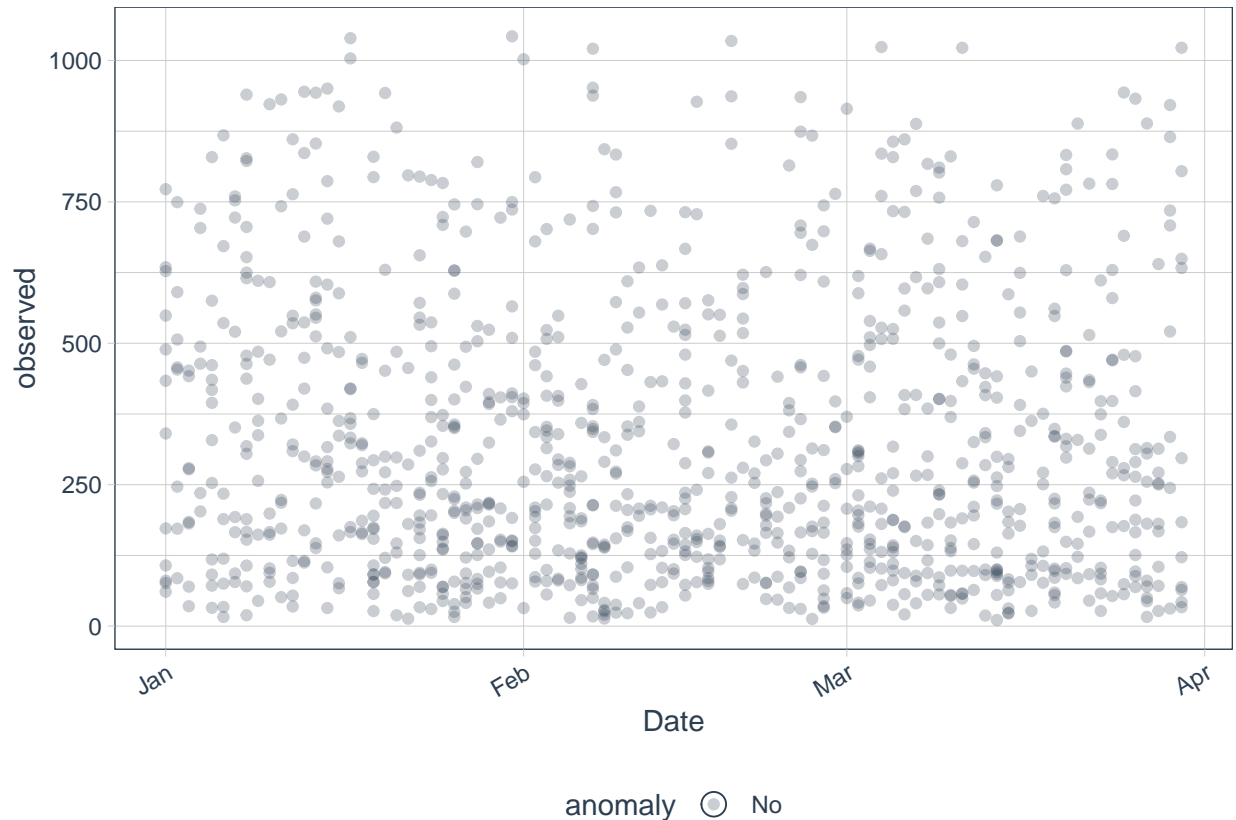
```
## Registered S3 method overwritten by 'quantmod':
## method from
## as.zoo.data.frame zoo
```

```
df_anomalized %>% glimpse()
```

```
## Rows: 1,000
## Columns: 11
## $ Date      <dtm> 2019-01-01, 2019-01-01, 2019-01-01, 2019-01-01, 2019...
## $ Sales     <dbl> 457.4430, 399.7560, 470.6730, 388.2900, 132.7620, 132...
## $ observed  <dbl> 548.9715, 80.2200, 340.5255, 489.0480, 634.3785, 627....
## $ season    <dbl> -14.359190, -4.462252, 28.744495, 23.243172, -13.8441...
## $ trend     <dbl> 445.2248, 445.5012, 445.7776, 435.9271, 426.0767, 416...
## $ remainder <dbl> 118.105886, -360.818930, -133.996555, 29.877684, 222....
## $ remainder_l1 <dbl> -917.358, -917.358, -917.358, -917.358, -917.358, -91...
## $ remainder_l2 <dbl> 946.1539, 946.1539, 946.1539, 946.1539, 946.1539, 946...
## $ anomaly    <chr> "No", "No", "No", "No", "No", "No", "No", "No", "No",...
## $ recomposed_l1 <dbl> -486.4924, -476.3191, -442.8360, -458.1877, -505.1254...
## $ recomposed_l2 <dbl> 1377.020, 1387.193, 1420.676, 1405.324, 1358.387, 137...
```


Visualize the anomalies

```
df_anomalized %>%  
  plot_anomalies(ncol = 3, alpha_dots = 0.25)
```



There are no anomalies in the data.

CONCLUSIONS AND RECOMMENDATIONS

In PCA, There are 14 principal components. PC1 has the highest variance of 35%. The quantity, gross income, unit price and ranch contribute to PC1. The other principal components that do not contribute should be dropped.

In feature selection using the filter method, we found out that there were highly correlated values which were dropped.

In association analysis, decreasing the value of confidence increases the number of rules. The most sold product was mineral water and eggs. The least were tukey and frozen smoothie. To increase the sales of turkey and smoothie, I would advice the sales department at carrefour to put the products near the mineral water and eggs.