KevinIP

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Research Question

A Kenyan entrepreneur has created an online cryptography course and would want to advertise it on her blog. She currently targets audiences originating from various countries. In the past, she ran ads to advertise a related course on the same blog and collected data in the process. She would now like to employ your services as a Data Science Consultant to help her identify which individuals are most likely to click on her ads.

Defining the question

i)Specifying the Data Analytic Question

To be able to help the entrepreneur identify which individuals are most likely to click on her ads.

ii)Defining the Metric for Success

Being able to Perform univariate and bivariate analysis and a conclusion and recommendation.

iii)Recording the Experimental Design

1) Read the dataset into our environment (RStudio)
2) Preview the dataset
3) Find and deal with outliers, anomalies, and missing data within the dataset
4) Perform univariate and bivariate analysis
5) From your insights provide a conclusion and recommendation

```
#Loading the dataset
#url <- http://bit.ly/IPAdvertisingData
library("data.table")
Advert <- read.csv("http://bit.ly/IPAdvertisingData")
```

```
# View the dataset in our environment
View(Advert)
```

Previewing the dataset

```
#Previewing the first 6 rows of the dataset
head(Advert)
```

```
##   Daily.Time.Spent.on.Site Age Area.Income Daily.Internet.Usage
## 1                    68.95  35    61833.90               256.09
## 2                    80.23  31    68441.85               193.77
## 3                    69.47  26    59785.94               236.50
## 4                    74.15  29    54806.18               245.89
## 5                    68.37  35    73889.99               225.58
## 6                    59.99  23    59761.56               226.74
##                           Ad.Topic.Line           City Male    Country
## 1    Cloned 5thgeneration orchestration    Wrightburgh    0    Tunisia
## 2    Monitored national standardization      West Jodi    1      Nauru
## 3      Organic bottom-line service-desk       Davidton    0 San Marino
## 4 Triple-buffered reciprocal time-frame West Terrifurt    1      Italy
## 5         Robust logistical utilization   South Manuel    0    Iceland
## 6       Sharable client-driven software      Jamieberg    1     Norway
##             Timestamp Clicked.on.Ad
## 1 2016-03-27 00:53:11             0
## 2 2016-04-04 01:39:02             0
## 3 2016-03-13 20:35:42             0
## 4 2016-01-10 02:31:19             0
## 5 2016-06-03 03:36:18             0
## 6 2016-05-19 14:30:17             0
```

```
#Previewing the tail of the dataset
tail(Advert)
```

```
##      Daily.Time.Spent.on.Site Age Area.Income Daily.Internet.Usage
## 995                     43.70  28    63126.96               173.01
## 996                     72.97  30    71384.57               208.58
## 997                     51.30  45    67782.17               134.42
## 998                     51.63  51    42415.72               120.37
## 999                     55.55  19    41920.79               187.95
## 1000                    45.01  26    29875.80               178.35
##                             Ad.Topic.Line          City Male
## 995         Front-line bifurcated ability  Nicholasland    0
## 996         Fundamental modular algorithm     Duffystad    1
## 997       Grass-roots cohesive monitoring   New Darlene    1
## 998          Expanded intangible solution South Jessica    1
## 999  Proactive bandwidth-monitored policy   West Steven    0
## 1000      Virtual 5thgeneration emulation   Ronniemouth    0
##                      Country           Timestamp Clicked.on.Ad
## 995                  Mayotte 2016-04-04 03:57:48             1
## 996                  Lebanon 2016-02-11 21:49:00             1
## 997  Bosnia and Herzegovina 2016-04-22 02:07:01             1
## 998                 Mongolia 2016-02-01 17:24:57             1
## 999                Guatemala 2016-03-24 02:35:54             0
## 1000                  Brazil 2016-06-03 21:43:21             1
```

```
#Checking the shape of the dataset
dim(Advert)
```

```
## [1] 1000   10
```

The data set has 1000 observations and 10 variables

```
#checking the data types of the dataset
library(dplyr)
```

```
##
## Attaching package: 'dplyr'

## The following objects are masked from 'package:data.table':
##
##     between, first, last

## The following objects are masked from 'package:stats':
##
##     filter, lag

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

```
glimpse(Advert)
```

```
## Rows: 1,000
## Columns: 10
## $ Daily.Time.Spent.on.Site <dbl> 68.95, 80.23, 69.47, 74.15, 68.37, 59.99, 88.~
## $ Age                      <int> 35, 31, 26, 29, 35, 23, 33, 48, 30, 20, 49, 3~
## $ Area.Income              <dbl> 61833.90, 68441.85, 59785.94, 54806.18, 73889~
## $ Daily.Internet.Usage     <dbl> 256.09, 193.77, 236.50, 245.89, 225.58, 226.7~
## $ Ad.Topic.Line            <chr> "Cloned 5thgeneration orchestration", "Monito~
## $ City                     <chr> "Wrightburgh", "West Jodi", "Davidton", "West~
## $ Male                     <int> 0, 1, 0, 1, 0, 1, 0, 1, 1, 1, 0, 1, 1, 0, 0, ~
## $ Country                  <chr> "Tunisia", "Nauru", "San Marino", "Italy", "I~
## $ Timestamp                <chr> "2016-03-27 00:53:11", "2016-04-04 01:39:02",~
## $ Clicked.on.Ad            <int> 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 1, 0, 1, 0, 1, ~
```

We can see that 3 columns are of the type integer, 3 are of the type double class and 4 columns are of the character type.

Cleaning the Dataset

```
# Checking the number of duplicated rows
duplicated_rows <- Advert[duplicated(Advert),]
duplicated_rows
```

```
##  [1] Daily.Time.Spent.on.Site Age                      Area.Income
##  [4] Daily.Internet.Usage     Ad.Topic.Line            City
##  [7] Male                     Country                  Timestamp
## [10] Clicked.on.Ad
## <0 rows> (or 0-length row.names)
```

No duplicates in the dataset

```
# Sum of null values in each column
colSums(is.na(Advert))
```

```
## Daily.Time.Spent.on.Site                      Age             Area.Income
##                        0                        0                        0
##     Daily.Internet.Usage            Ad.Topic.Line                     City
##                        0                        0                        0
##                     Male                  Country                Timestamp
##                        0                        0                        0
##            Clicked.on.Ad
##                        0
```

No null values in our dataset

```
#selecting the numerical variables
numeric <- Advert %>% select_if(is.numeric)
head(numeric)
```

```
##   Daily.Time.Spent.on.Site Age Area.Income Daily.Internet.Usage Male
## 1                    68.95  35    61833.90               256.09    0
## 2                    80.23  31    68441.85               193.77    1
## 3                    69.47  26    59785.94               236.50    0
## 4                    74.15  29    54806.18               245.89    1
## 5                    68.37  35    73889.99               225.58    0
## 6                    59.99  23    59761.56               226.74    1
##   Clicked.on.Ad
## 1             0
## 2             0
## 3             0
## 4             0
## 5             0
## 6             0
```

Male and clicked on Ad should be categorical(factor)

```
#Now lets change the data types of categorical variables.

Advert$`Clicked.on.Ad` <- as.factor(Advert$`Clicked.on.Ad`)
Advert$Male <- as.factor(Advert$Male)
#Lets inspect the data type again
str(Advert)
```

```
## 'data.frame':    1000 obs. of  10 variables:
##  $ Daily.Time.Spent.on.Site: num  69 80.2 69.5 74.2 68.4 ...
```

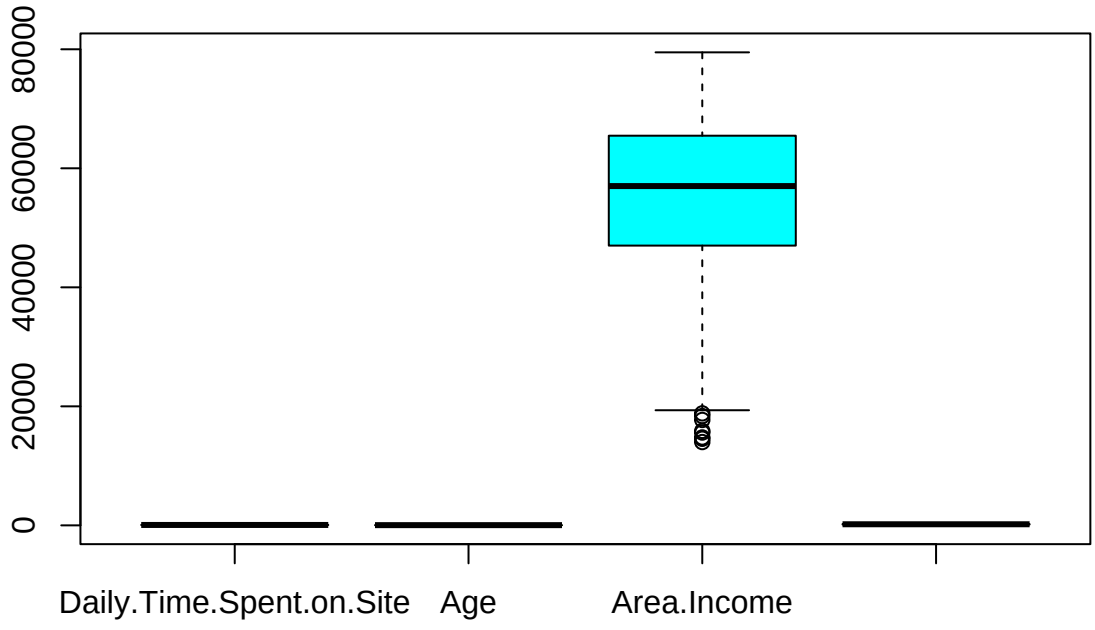
```
##  $ Age                     : int  35 31 26 29 35 23 33 48 30 20 ...
##  $ Area.Income             : num  61834 68442 59786 54806 73890 ...
##  $ Daily.Internet.Usage    : num  256 194 236 246 226 ...
##  $ Ad.Topic.Line           : chr  "Cloned 5thgeneration orchestration" "Monitored national standardi
##  $ City                    : chr  "Wrightburgh" "West Jodi" "Davidton" "West Terrifurt" ...
##  $ Male                    : Factor w/ 2 levels "0","1": 1 2 1 2 1 2 1 2 2 2 ...
##  $ Country                 : chr  "Tunisia" "Nauru" "San Marino" "Italy" ...
##  $ Timestamp               : chr  "2016-03-27 00:53:11" "2016-04-04 01:39:02" "2016-03-13 20:35:42"
##  $ Clicked.on.Ad           : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 2 1 1 ...
```

```
#selecting the numerical variables
numeric <- Advert %>% select_if(is.numeric)
head(numeric)
```

```
##   Daily.Time.Spent.on.Site Age Area.Income Daily.Internet.Usage
## 1                    68.95  35    61833.90               256.09
## 2                    80.23  31    68441.85               193.77
## 3                    69.47  26    59785.94               236.50
## 4                    74.15  29    54806.18               245.89
## 5                    68.37  35    73889.99               225.58
## 6                    59.99  23    59761.56               226.74
```

The numerical columns in our dataset

```
# Boxplot from the  dataset with refernce to the numeric variables
boxplot(numeric, col = rainbow(ncol(numeric)))
```



We have outliers in the Area.Income variable but We shall not drop the outliers because income amount varies from one person to another. It is possible to get a person who gets littlr income compared to the other people.

Exploratory Data Analysis

Univariate Analysis

Measures of Central Tendency

1)Mean

```
#find mean of each numerical variable
colMeans(numeric)
```

```
## Daily.Time.Spent.on.Site                      Age             Area.Income
##                  65.0002                  36.0090              55000.0001
##     Daily.Internet.Usage
##                 180.0001
```

2)Median

```
#Median of multiple variables
apply(numeric,2,median)
```

```
## Daily.Time.Spent.on.Site                      Age             Area.Income
##                   68.215                   35.000               57012.300
##     Daily.Internet.Usage
##                  183.130
```

3)Mode

```
# Define a function for getting the mode
getmode <- function(v) {
  uniqv <- unique(v)
  uniqv[which.max(tabulate(match(v, uniqv)))]
}
```

```
#mode for Daily.Internet.Usage
getmode(Advert$Daily.Internet.Usage)
```

```
## [1] 167.22
```

The mode for daily internet usage is 167.22

```r
#Mode for age
getmode(Advert$Age)
```

```
## [1] 31
```

The mode of age in our dataset is 31

```r
getmode(Advert$Daily.Time.Spent.on.Site)
```

```
## [1] 62.26
```

The mode of time spent in our dataset is 62.26

Measures of Dispersion

```r
#find range of numeric variables in the data frame
sapply(numeric, function(numeric) max(numeric, na.rm=TRUE) - min(numeric, na.rm=TRUE))
```

```
## Daily.Time.Spent.on.Site                      Age             Area.Income
##                    58.83                    42.00                65488.30
##     Daily.Internet.Usage
##                   165.18
```

```r
#Variance for the numerical columns
cbind(
  lapply(numeric, FUN = var, na.rm = T)
)
```

2)Variance

```
##                           [,1]
## Daily.Time.Spent.on.Site 251.3371
## Age                      77.18611
## Area.Income              179952406
## Daily.Internet.Usage     1927.415
```

Variance of Daily.Time.Spent.on.Site 251.3371 Variance of Age 77.18611 Variance of Area.Income 179952406 Variance of Daily.Internet.Usage 1927.415

3)Standard deviation

```
#The standard of numeric variables
library(psych)
apply(numeric,2, sd, na.rm=TRUE)
```

```
## Daily.Time.Spent.on.Site                     Age             Area.Income
##                15.853615                8.785562           13414.634022
##     Daily.Internet.Usage
##                43.902339
```

Standard deviation of Daily.Time.Spent.on.Site 15.853615
Standard deviation of Age 8.785562
Standard deviation of Area.Income 13414.634022
Standard deviation of Daily.Internet.Usage 43.902339

3)Quantiles

```
#Quantiles for the numeric variables
apply( numeric, 2 , quantile , na.rm = TRUE )
```

```
##      Daily.Time.Spent.on.Site Age Area.Income Daily.Internet.Usage
## 0%                    32.6000  19    13996.50             104.7800
## 25%                   51.3600  29    47031.80             138.8300
## 50%                   68.2150  35    57012.30             183.1300
## 75%                   78.5475  42    65470.64             218.7925
## 100%                  91.4300  61    79484.80             269.9600
```

Frequency Tables

```
#calculate frequency table for every variable in data frame
apply((Advert), 2, table)
```

```
## $Daily.Time.Spent.on.Site
##
## 32.60 32.84 32.91 32.99 33.21 33.33 33.52 34.04 34.30 34.66 34.78 34.86 34.87
##     2     1     1     1     1     1     1     1     1     1     1     1     1
## 34.96 35.00 35.11 35.21 35.25 35.33 35.34 35.49 35.55 35.61 35.65 35.66 35.76
##     1     1     1     1     1     1     1     2     1     1     1     2     1
## 35.79 35.98 36.08 36.31 36.37 36.44 36.49 36.56 36.62 36.73 36.87 36.91 36.98
##     1     2     1     1     1     1     1     1     1     1     1     1     1
## 37.00 37.01 37.05 37.32 37.45 37.47 37.51 37.58 37.65 37.68 37.74 37.75 37.87
##     1     1     1     1     1     1     1     1     1     1     1     1     1
## 38.10 38.35 38.37 38.46 38.52 38.63 38.65 38.91 38.93 38.94 38.96 39.19 39.25
##     1     2     1     1     1     1     1     1     1     1     1     1     1
## 39.30 39.34 39.36 39.47 39.50 39.53 39.56 39.76 39.85 39.86 39.87 39.94 39.96
##     1     1     1     1     1     1     1     1     1     2     1     1     2
## 40.01 40.04 40.06 40.15 40.17 40.18 40.19 40.34 40.42 40.47 40.67 40.88 41.16
##     1     1     1     1     1     1     1     1     1     1     1     1     1
## 41.18 41.28 41.35 41.39 41.46 41.47 41.49 41.53 41.67 41.70 41.73 41.82 41.84
```

```
##     1     1     1     1     1     1     2     1     1     1     2     1     1
## 41.86 41.88 41.89 42.04 42.05 42.06 42.32 42.39 42.44 42.51 42.60 42.83 42.84
##     1     1     1     1     1     1     1     1     1     1     1     1     1
## 42.94 42.95 43.01 43.02 43.07 43.16 43.41 43.49 43.57 43.59 43.60 43.63 43.65
##     1     1     1     1     1     2     1     2     1     1     1     2     1
## 43.67 43.70 43.77 43.83 43.84 43.88 43.97 44.11 44.13 44.15 44.16 44.33 44.40
##     2     1     1     1     1     1     1     1     1     1     1     2     1
## 44.46 44.49 44.57 44.64 44.72 44.73 44.78 44.96 44.98 45.01 45.05 45.08 45.11
##     1     1     1     1     1     1     1     1     1     1     1     1     1
## 45.17 45.44 45.48 45.53 45.62 45.70 45.72 45.82 45.96 45.99 46.04 46.08 46.13
##     1     1     1     1     1     1     1     1     1     1     1     1     2
## 46.14 46.20 46.28 46.31 46.37 46.43 46.61 46.66 46.77 46.84 46.88 46.89 46.98
##     1     1     1     1     1     1     2     1     1     1     1     1     1
## 47.00 47.23 47.48 47.51 47.53 47.64 47.66 47.74 47.90 48.01 48.03 48.09 48.22
##     1     2     1     1     1     1     1     1     1     1     1     1     1
## 48.26 48.46 48.53 48.73 48.86 49.13 49.19 49.21 49.35 49.42 49.58 49.67 49.78
##     1     1     1     1     2     1     1     1     1     1     1     1     1
## 49.81 49.84 49.89 49.95 49.96 49.99 50.08 50.18 50.19 50.32 50.33 50.43 50.48
##     1     2     1     1     1     1     2     1     1     1     1     1     1
## 50.52 50.60 50.63 50.78 50.87 51.24 51.30 51.38 51.50 51.56 51.58 51.63 51.65
##     2     2     1     1     1     1     1     1     1     1     1     1     1
## 51.68 51.87 51.95 52.13 52.17 52.35 52.56 52.62 52.67 52.68 52.70 52.84 53.14
##     1     1     1     1     1     1     1     1     1     1     2     2     1
## 53.22 53.30 53.33 53.38 53.44 53.54 53.63 53.68 53.92 54.08 54.35 54.37 54.39
##     1     1     1     1     1     1     1     1     1     1     1     1     1
## 54.43 54.47 54.55 54.70 54.88 54.92 54.96 54.97 55.04 55.13 55.20 55.32 55.35
##     1     1     1     1     1     1     1     1     1     1     1     1     1
## 55.39 55.46 55.55 55.60 55.71 55.74 55.77 55.79 55.92 56.01 56.04 56.14 56.16
##     1     1     1     2     1     1     1     1     1     1     1     1     1
## 56.20 56.30 56.34 56.39 56.46 56.56 56.57 56.64 56.66 56.70 56.78 56.89 56.91
##     1     1     1     2     1     1     1     2     1     1     1     1     1
## 56.93 56.99 57.05 57.11 57.20 57.24 57.35 57.51 57.64 57.70 57.76 57.82 57.86
##     1     1     1     1     1     1     1     1     2     1     1     1     1
## 57.99 58.03 58.05 58.18 58.21 58.22 58.35 58.60 58.95 59.01 59.05 59.12 59.13
##     1     1     1     1     1     1     1     2     1     1     2     1     1
## 59.21 59.22 59.36 59.51 59.52 59.59 59.61 59.64 59.70 59.88 59.96 59.99 60.07
##     1     1     1     1     1     1     1     1     1     1     1     1     1
## 60.23 60.25 60.39 60.53 60.70 60.72 60.75 60.83 60.91 60.94 61.04 61.09 61.22
##     2     1     1     2     2     1     1     1     1     1     1     1     1
## 61.57 61.72 61.76 61.82 61.84 61.87 61.88 62.06 62.12 62.14 62.18 62.20 62.26
##     1     1     1     1     1     1     2     2     1     1     1     1     3
## 62.31 62.33 62.42 62.79 62.95 63.04 63.11 63.18 63.24 63.26 63.30 63.36 63.37
##     1     1     2     1     1     1     1     1     1     1     1     1     1
## 63.43 63.45 63.60 63.80 63.88 63.89 63.99 64.10 64.20 64.24 64.38 64.51 64.63
##     1     1     1     1     1     1     1     1     1     1     1     1     1
## 64.67 64.75 64.79 64.88 65.07 65.10 65.15 65.19 65.22 65.40 65.53 65.56 65.57
##     1     1     1     1     2     1     1     1     1     1     1     1     1
## 65.59 65.65 65.72 65.77 65.80 65.82 65.90 66.00 66.01 66.03 66.04 66.08 66.12
##     1     2     1     1     1     1     1     1     1     1     1     1     1
## 66.14 66.17 66.18 66.26 66.40 66.47 66.49 66.63 66.67 66.69 66.77 66.79 66.80
##     1     2     2     1     1     1     1     1     1     1     1     1     1
## 66.83 66.88 66.89 66.99 67.05 67.26 67.28 67.35 67.36 67.39 67.47 67.51 67.56
##     1     1     1     1     1     1     1     1     1     1     1     1     2
## 67.58 67.59 67.64 67.69 67.71 67.76 67.80 67.85 67.91 67.94 68.01 68.10 68.11
```

```
##     1     1     1     2     1     1     1     1     1     1     1     1     1
## 68.18 68.25 68.37 68.41 68.47 68.58 68.60 68.61 68.68 68.72 68.82 68.88 68.94
##     1     2     1     1     1     1     1     1     1     1     1     1     1
## 68.95 69.00 69.01 69.08 69.11 69.15 69.17 69.20 69.35 69.42 69.47 69.50 69.57
##     2     1     1     1     1     1     1     1     1     1     1     1     1
## 69.58 69.62 69.74 69.77 69.78 69.86 69.88 69.90 69.95 69.96 69.97 70.03 70.04
##     1     1     1     1     1     1     1     1     1     1     1     1     1
## 70.05 70.09 70.13 70.20 70.29 70.39 70.41 70.44 70.58 70.61 70.66 70.68 70.79
##     1     1     1     1     2     1     1     1     1     1     1     1     1
## 70.90 70.92 70.96 71.00 71.03 71.05 71.14 71.23 71.27 71.28 71.33 71.40 71.55
##     1     2     1     1     2     1     1     1     1     1     1     1     1
## 71.74 71.76 71.83 71.84 71.86 71.89 71.90 72.01 72.03 72.04 72.07 72.08 72.18
##     1     1     1     1     1     1     2     1     1     1     1     1     1
## 72.19 72.23 72.44 72.45 72.46 72.53 72.55 72.60 72.76 72.80 72.82 72.84 72.88
##     2     2     1     1     1     1     1     1     1     1     1     1     1
## 72.92 72.94 72.97 73.04 73.10 73.15 73.18 73.19 73.21 73.27 73.30 73.38 73.41
##     1     1     1     1     1     1     1     1     1     2     1     1     1
## 73.46 73.49 73.57 73.71 73.72 73.84 73.88 73.89 73.93 73.94 73.95 74.02 74.06
##     1     1     1     1     1     1     1     2     1     2     1     1     2
## 74.07 74.15 74.18 74.27 74.32 74.38 74.41 74.49 74.53 74.54 74.58 74.59 74.61
##     1     1     1     1     1     1     1     1     1     1     2     1     1
## 74.62 74.63 74.65 74.71 74.84 74.87 74.88 75.00 75.03 75.15 75.19 75.24 75.32
##     1     1     1     1     1     1     1     1     1     2     1     1     1
## 75.42 75.55 75.64 75.65 75.70 75.71 75.74 75.80 75.81 75.83 75.84 75.92 75.94
##     1     3     1     1     1     1     1     2     1     2     1     1     1
## 76.02 76.06 76.07 76.20 76.21 76.24 76.27 76.28 76.32 76.42 76.44 76.49 76.56
##     2     1     1     2     1     2     1     1     1     1     2     1     2
## 76.58 76.59 76.64 76.65 76.70 76.76 76.77 76.79 76.81 76.83 76.84 76.87 76.90
##     1     1     1     1     1     1     1     1     1     1     1     2     1
## 76.99 77.05 77.07 77.14 77.20 77.22 77.25 77.29 77.31 77.35 77.36 77.44 77.47
##     1     3     1     1     1     1     1     1     1     1     1     1     1
## 77.50 77.51 77.56 77.60 77.63 77.65 77.66 77.69 77.75 77.80 77.88 77.89 77.95
##     1     1     1     1     1     2     1     1     1     1     1     1     1
## 78.01 78.11 78.15 78.17 78.18 78.19 78.24 78.29 78.32 78.35 78.36 78.37 78.41
##     1     1     1     1     1     1     1     1     1     1     1     1     1
## 78.51 78.53 78.54 78.57 78.58 78.60 78.64 78.67 78.68 78.70 78.74 78.76 78.77
##     1     1     1     1     1     1     1     1     1     1     2     3     1
## 78.79 78.83 78.84 78.96 79.09 79.15 79.16 79.18 79.22 79.36 79.40 79.44 79.51
##     1     1     2     1     1     1     1     1     1     2     1     1     1
## 79.52 79.53 79.54 79.57 79.60 79.61 79.67 79.71 79.72 79.80 79.81 79.82 79.83
##     2     2     1     1     2     1     1     1     1     1     2     1     1
## 79.89 79.91 79.94 79.97 80.03 80.05 80.09 80.15 80.22 80.23 80.29 80.30 80.31
##     1     1     1     2     1     1     1     1     1     2     1     1     1
## 80.38 80.39 80.46 80.47 80.49 80.51 80.53 80.55 80.59 80.60 80.64 80.67 80.71
##     1     1     2     2     1     1     1     1     1     1     1     1     1
## 80.72 80.87 80.91 80.94 80.96 80.99 81.03 81.05 81.10 81.11 81.17 81.21 81.22
##     1     1     1     1     1     1     1     1     1     1     1     1     1
## 81.25 81.29 81.32 81.37 81.38 81.45 81.46 81.51 81.56 81.58 81.59 81.61 81.67
##     1     1     1     2     1     1     1     1     1     2     1     1     1
## 81.75 81.90 81.95 81.98 81.99 82.03 82.07 82.12 82.30 82.37 82.38 82.40 82.41
##     2     1     1     2     1     1     2     1     1     1     1     1     1
## 82.49 82.52 82.58 82.68 82.69 82.70 82.72 82.73 82.79 82.80 82.87 82.95 83.07
##     1     1     1     1     1     1     1     1     2     1     1     1     1
## 83.16 83.17 83.26 83.40 83.42 83.47 83.48 83.49 83.53 83.55 83.66 83.67 83.69
```

```
##     1     1     1     2     1     1     1     1     1     1     1     1     1
## 83.71 83.86 83.89 83.91 83.97 83.98 84.00 84.04 84.08 84.25 84.29 84.31 84.33
##     1     1     1     1     2     1     1     1     1     1     2     1     1
## 84.37 84.45 84.53 84.54 84.59 84.69 84.71 84.73 84.76 84.79 84.81 84.88 84.95
##     1     1     3     1     2     1     1     1     1     1     1     1     1
## 84.98 85.01 85.03 85.23 85.24 85.26 85.35 85.37 85.40 85.54 85.56 85.61 85.62
##     1     1     1     1     1     1     1     1     1     1     1     1     1
## 85.73 85.77 85.78 85.84 85.86 86.06 86.19 86.38 86.41 86.53 86.58 86.63 86.69
##     1     1     1     2     1     2     1     1     1     1     1     1     1
## 86.76 86.78 86.81 87.09 87.14 87.16 87.18 87.23 87.26 87.27 87.29 87.30 87.35
##     1     1     1     1     1     2     1     1     1     1     1     1     1
## 87.46 87.85 87.97 87.98 88.04 88.12 88.72 88.82 88.85 88.89 88.91 88.97 89.00
##     1     2     1     1     1     1     1     1     1     1     1     1     1
## 89.05 89.15 89.18 89.21 89.34 89.37 89.66 89.71 89.80 89.91 90.75 90.97 91.10
##     1     1     1     1     1     1     1     1     1     1     1     1     1
## 91.15 91.37 91.43
##     1     1     1
##
## $Age
##
## 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44
##  6  6  6 13 19 21 27 37 33 48 48 39 60 38 43 39 39 50 36 37 30 36 32 26 23 21
## 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61
## 30 18 13 16 18 20 12 15 10  9  7  2  6  4  2  4  1
##
## $Area.Income
##
## 13996.50 14548.06 14775.50 15598.29 15879.10 17709.98 18368.57 18819.34
##        1        1        1        1        1        1        1        1
## 19345.36 19991.72 20592.99 20856.54 21644.91 21773.22 22205.74 22456.04
##        1        1        1        1        1        1        1        1
## 22473.08 23410.75 23821.72 23936.86 23942.61 23975.35 24030.06 24078.93
##        1        1        1        1        1        1        1        1
## 24316.61 24593.33 24852.90 25371.52 25408.21 25583.29 25598.75 25603.93
##        1        1        1        1        1        1        1        1
## 25682.65 25686.34 25739.09 25767.16 26023.99 26130.93 27073.27 27086.40
##        1        1        1        1        1        1        1        1
## 27241.11 27262.51 27508.41 27964.60 28019.09 28028.74 28186.65 28210.03
##        1        1        1        1        1        1        1        1
## 28265.81 28271.84 28275.48 28357.27 28387.42 28495.21 28679.93 29359.20
##        1        1        1        1        1        1        1        1
## 29398.61 29727.79 29875.80 30227.98 30487.48 30726.26 30976.00 31072.44
##        1        1        1        1        1        1        1        1
## 31087.54 31092.93 31215.88 31265.75 31281.01 31343.39 31523.09 31947.65
##        1        1        1        1        1        1        1        1
## 31998.72 32006.82 32252.38 32536.98 32549.95 32593.59 32635.70 32689.04
##        1        1        1        1        1        1        1        1
## 32708.94 32847.53 33147.19 33239.20 33258.09 33293.78 33502.57 33553.90
##        1        1        1        1        1        1        1        1
## 33601.84 33813.08 33951.63 33987.27 34127.21 34191.13 34191.23 34309.24
##        1        1        1        1        1        1        1        1
## 34418.09 34886.01 34903.67 34942.26 35253.98 35349.26 35350.55 35466.80
##        1        1        1        1        1        1        1        1
## 35521.88 35684.82 35764.49 36037.33 36424.94 36497.22 36752.24 36782.38
```

```
##        1        1        1        1        1        1        1        1
## 36834.04 36884.23 36913.51 37212.54 37334.78 37345.24 37345.34 37605.11
##        1        1        1        1        1        1        1        1
## 37713.23 37838.72 37908.29 38067.08 38260.89 38349.78 38427.66 38609.20
##        1        1        1        1        1        1        1        1
## 38641.20 38645.40 38745.29 38817.40 38987.42 39031.89 39131.53 39132.64
##        1        1        1        1        1        1        1        1
## 39193.45 39211.49 39552.49 39616.00 39699.13 39723.97 39799.73 39809.69
##        1        1        1        1        1        1        1        1
## 39840.55 39939.39 40135.06 40159.20 40182.84 40183.75 40243.82 40345.49
##        1        1        1        1        1        1        1        1
## 40468.53 40478.83 40763.13 40926.93 41059.64 41097.17 41229.16 41232.89
##        1        1        1        1        1        1        1        1
## 41335.84 41356.31 41417.27 41521.28 41547.62 41629.86 41768.13 41851.38
##        1        1        1        1        1        1        1        1
## 41866.55 41884.64 41920.79 42042.95 42078.89 42136.33 42162.90 42191.61
##        1        1        1        1        1        1        1        1
## 42251.59 42362.49 42415.72 42581.23 42650.32 42696.67 42760.22 42838.29
##        1        1        1        1        1        1        1        1
## 42861.42 42898.21 42907.89 42993.48 42995.80 43073.78 43111.41 43155.19
##        1        1        1        1        1        1        1        1
## 43241.19 43241.88 43299.63 43313.73 43386.07 43444.86 43450.11 43573.66
##        1        1        1        1        1        1        1        1
## 43662.10 43698.53 43708.88 43778.88 43870.51 43881.73 43974.49 44078.24
##        1        1        1        1        1        1        1        1
## 44174.25 44217.68 44248.52 44275.13 44304.13 44307.18 44490.09 44559.43
##        1        1        1        1        1        1        1        1
## 44893.71 45400.50 45465.25 45522.44 45580.92 45593.93 45632.51 45716.48
##        1        1        1        1        1        1        1        1
## 45800.48 45945.88 45959.86 46004.31 46024.29 46033.73 46132.18 46160.63
##        1        1        1        1        1        1        1        1
## 46179.97 46197.59 46239.14 46339.25 46403.18 46422.76 46473.14 46500.11
##        1        1        1        1        1        1        1        1
## 46557.92 46653.75 46693.76 46722.07 46737.34 46780.09 46868.53 46931.03
##        1        1        1        1        1        1        1        1
## 46964.11 46974.15 47051.02 47139.21 47160.53 47169.14 47258.59 47314.45
##        1        1        1        1        1        1        1        1
## 47338.94 47357.39 47391.95 47447.89 47510.42 47575.44 47638.30 47682.28
##        1        1        1        1        1        1        1        1
## 47708.42 47861.93 47929.83 47968.32 47997.75 48098.86 48206.04 48246.60
##        1        1        1        1        1        1        1        1
## 48335.20 48347.64 48376.14 48453.55 48467.68 48537.18 48554.45 48679.54
##        1        1        1        1        1        1        1        1
## 48758.92 48761.14 48826.14 48852.58 48867.36 48867.67 48913.07 48918.55
##        1        1        1        1        1        1        1        1
## 49030.03 49090.51 49101.67 49111.47 49158.50 49206.40 49269.98 49282.87
##        1        1        1        1        1        1        1        1
## 49309.14 49325.48 49457.48 49525.37 49544.41 49597.08 49742.83 49822.78
##        1        1        1        1        1        1        1        1
## 49850.52 49911.25 49942.66 49957.00 49995.63 50038.65 50055.33 50086.17
##        1        1        1        1        1        1        1        1
## 50147.72 50199.77 50216.01 50278.89 50333.72 50335.46 50337.93 50356.06
##        1        1        1        1        1        1        1        1
## 50439.49 50457.01 50468.36 50491.45 50506.44 50628.31 50666.50 50671.60
```

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##        1        1        1        1        1        1        1        1
## 50711.68 50723.67 50760.23 50820.74 50950.24 50960.08 50971.73 50983.75
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## 51013.37 51015.11 51049.47 51067.54 51119.93 51163.14 51171.23 51257.26
##        1        1        1        1        1        1        1        1
## 51315.38 51317.33 51363.16 51409.45 51463.17 51473.28 51501.38 51510.18
##        1        1        1        1        1        1        1        1
## 51512.66 51593.46 51600.47 51633.34 51636.12 51636.92 51662.24 51691.55
##        1        1        1        1        1        1        1        1
## 51739.63 51772.58 51812.71 51816.27 51824.01 51847.26 51864.77 51868.85
##        1        1        1        1        1        1        1        1
## 51869.87 51900.03 51920.49 51975.41 52011.00 52079.18 52097.32 52140.04
##        1        1        1        1        1        1        1        1
## 52177.40 52178.98 52182.23 52252.91 52261.73 52336.64 52340.10 52400.88
##        1        1        1        1        1        1        1        1
## 52416.18 52462.04 52520.75 52530.10 52563.22 52581.16 52656.13 52686.47
##        1        1        1        1        1        1        1        1
## 52691.79 52723.34 52736.33 52802.00 52802.58 52968.22 53012.94 53041.77
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## 53042.51 53049.44 53058.91 53167.68 53185.34 53188.69 53223.58 53309.61
##        1        1        1        1        1        1        1        1
## 53336.76 53350.11 53412.32 53431.35 53441.69 53549.94 53575.48 53647.81
##        1        1        1        1        1        1        1        1
## 53673.08 53700.57 53767.12 53817.02 53852.85 53898.89 53922.43 54045.39
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## 54106.21 54251.78 54286.10 54324.73 54429.17 54520.14 54541.56 54645.20
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## 54725.87 54755.71 54773.99 54774.77 54787.37 54806.18 54875.95 54952.42
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## 54989.93 55002.05 55015.08 55041.60 55121.65 55130.96 55187.85 55195.61
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## 55316.97 55336.18 55353.41 55358.88 55368.67 55411.06 55424.24 55479.62
##        1        1        1        1        1        1        1        1
## 55499.69 55605.92 55642.32 55677.12 55764.43 55787.58 55901.12 55942.04
##        1        1        1        1        1        1        1        1
## 55984.89 55993.68 56067.38 56113.37 56129.89 56180.93 56194.56 56216.57
##        1        1        1        1        1        1        1        1
## 56242.70 56366.88 56369.74 56379.30 56394.82 56435.60 56457.01 56570.06
##        1        1        1        1        1        1        1        1
## 56593.80 56605.12 56637.59 56681.65 56683.32 56694.12 56725.47 56729.78
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## 56735.14 56735.83 56759.48 56770.79 56782.18 56791.75 56884.74 56909.30
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## 56974.51 56984.09 56986.73 57009.76 57014.84 57032.36 57179.91 57195.96
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## 57260.41 57330.43 57425.87 57518.73 57519.64 57545.56 57587.00 57594.70
##        1        1        1        1        1        1        1        1
## 57667.99 57669.41 57691.95 57737.51 57739.03 57756.89 57777.11 57806.03
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## 57844.96 57846.68 57868.44 57877.15 57887.64 57983.30 58019.64 58037.66
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## 58114.30 58151.87 58183.04 58235.21 58287.86 58295.82 58337.18 58342.63
##        1        1        1        1        1        1        1        1
## 58348.41 58363.12 58443.99 58476.57 58526.04 58543.94 58576.12 58633.63
```

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##        1        1        1        1        1        1        1        1
## 58638.75 58677.69 58776.67 58820.16 58847.07 58849.77 58909.36 58920.44
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## 58953.01 58966.22 58996.12 58996.56 59047.91 59106.12 59144.02 59240.24
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## 59243.46 59340.99 59397.89 59419.78 59422.47 59448.44 59457.52 59550.05
##        1        1        1        1        1        1        1        1
## 59593.56 59610.81 59621.02 59677.64 59683.16 59761.56 59784.18 59785.94
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## 59797.64 59886.58 59967.19 59998.50 60015.57 60082.66 60151.77 60188.38
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## 60192.72 60223.52 60248.97 60283.47 60283.98 60309.58 60315.19 60333.38
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## 60372.64 60465.72 60514.05 60550.66 60575.99 60583.02 60637.62 60638.38
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## 60641.09 60803.00 60803.37 60805.93 60812.77 60843.32 60845.55 60879.48
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## 60938.73 60953.93 60968.62 60997.84 61004.51 61005.87 61009.10 61039.13
##        1        1        1        1        1        1        1        1
## 61067.58 61068.26 61117.50 61142.33 61161.29 61172.07 61227.59 61228.96
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## 61230.03 61270.14 61275.18 61383.79 61389.50 61428.18 61467.33 61526.25
##        1        1        1        1        1        1        1        1
## 61601.05 61608.23 61610.05 61617.98 61625.87 61628.72 61652.53 61690.93
##        1        1        1        1        1        1        1        1
## 61747.98 61757.12 61770.34 61771.90 61806.31 61833.90 61840.26 61922.06
##        1        1        1        1        1        1        1        1
## 62053.37 62060.11 62109.80 62161.26 62204.93 62238.58 62312.23 62318.38
##        1        1        1        1        1        1        1        1
## 62330.75 62336.39 62378.05 62430.55 62463.70 62466.10 62475.99 62491.01
##        1        1        1        1        1        1        1        1
## 62572.88 62589.84 62657.53 62667.51 62669.59 62722.57 62729.40 62772.42
##        1        1        1        1        1        1        1        1
## 62784.85 62790.96 62792.43 62927.96 62939.50 63001.03 63006.14 63060.55
##        1        1        1        1        1        1        1        1
## 63071.34 63100.13 63102.19 63107.88 63109.74 63115.34 63126.96 63274.88
##        1        1        1        1        1        1        1        1
## 63296.87 63319.99 63336.85 63363.04 63373.70 63394.41 63429.18 63430.33
##        1        1        1        1        1        1        1        1
## 63450.96 63493.60 63497.62 63528.80 63551.67 63580.22 63649.04 63664.32
##        1        1        1        1        1        1        1        1
## 63727.50 63764.28 63879.72 63883.81 63891.29 63924.82 63936.50 63965.16
##        1        1        1        1        1        1        1        1
## 63966.72 63976.44 64008.55 64011.26 64021.55 64045.93 64122.36 64147.86
##        1        1        1        1        1        1        1        1
## 64188.50 64235.51 64238.71 64264.25 64267.88 64287.78 64395.85 64410.80
##        1        1        1        1        1        1        1        1
## 64433.99 64447.77 64564.07 64631.22 64654.66 64698.58 64775.10 64802.33
##        1        1        1        1        1        1        1        1
## 64828.00 64902.47 64927.19 64929.61 65044.59 65120.86 65172.22 65180.97
##        1        1        1        1        1        1        1        1
## 65186.58 65227.79 65229.13 65280.16 65421.39 65461.92 65496.78 65499.93
##        1        1        1        1        1        1        1        1
## 65576.05 65620.25 65653.47 65704.79 65756.36 65773.49 65791.17 65816.38
```

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##        1        1        1        1        1        1        1        1
## 65826.53 65834.97 65856.74 65882.81 65883.39 65899.68 65953.76 65956.71
##        1        1        1        1        1        1        1        1
## 65963.37 66025.11 66027.31 66050.63 66107.84 66176.97 66187.58 66193.81
##        1        1        1        1        1        1        1        1
## 66198.66 66200.96 66217.31 66225.72 66262.59 66263.37 66265.34 66269.49
##        1        1        1        1        1        1        1        1
## 66281.46 66291.67 66345.10 66348.95 66359.32 66412.04 66429.84 66431.87
##        1        1        1        1        1        1        1        1
## 66504.16 66522.79 66524.80 66541.05 66572.39 66574.00 66618.21 66624.60
##        1        1        1        1        1        1        1        1
## 66629.61 66636.84 66691.23 66699.12 66744.65 66773.83 66784.81 66815.54
##        1        1        1        1        1        1        1        1
## 66861.67 66873.90 66929.03 66980.27 67033.34 67050.16 67058.72 67080.94
##        1        1        1        1        1        1        1        1
## 67113.46 67132.46 67186.54 67240.25 67279.06 67301.39 67307.43 67323.00
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## 67384.31 67430.96 67432.49 67479.62 67511.86 67516.07 67526.92 67575.12
##        1        1        1        1        1        1        1        1
## 67633.44 67669.06 67682.32 67686.16 67714.82 67744.56 67781.31 67782.17
##        1        1        1        1        1        1        1        1
## 67866.95 67938.77 67990.84 68016.90 68030.18 68033.54 68094.85 68211.35
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## 68305.91 68324.48 68333.01 68348.99 68357.96 68441.85 68447.17 68448.94
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## 68519.96 68614.98 68713.70 68717.00 68737.75 68783.45 68787.09 68862.00
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## 68863.95 68877.02 68962.32 69112.84 69285.69 69428.73 69438.04 69456.83
##        1        1        1        1        1        1        1        1
## 69476.42 69481.85 69562.46 69646.35 69710.51 69718.19 69758.31 69775.75
##        1        1        1        1        1        1        1        1
## 69784.85 69805.70 69868.48 69869.66 69874.18 70005.51 70012.83 70053.27
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## 70179.11 70185.06 70203.74 70225.60 70232.95 70324.80 70377.23 70410.11
##        1        1        1        1        1        1        1        1
## 70449.04 70492.60 70495.64 70505.06 70510.59 70547.16 70575.60 70582.55
##        1        1        1        1        1        1        1        1
## 70592.81 70701.31 70783.94 70889.68 71055.22 71136.49 71157.05 71222.40
##        1        1        1        1        1        1        1        1
## 71228.44 71296.67 71384.57 71392.53 71455.62 71511.08 71718.51 71727.51
##        1        1        1        1        1        1        1        1
## 71881.84 72042.85 72154.68 72188.90 72196.29 72203.96 72209.99 72270.88
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## 72272.90 72325.91 72330.57 72423.97 72524.86 72553.94 72683.35 72684.44
##        1        1        1        1        1        1        1        1
## 72707.87 72802.42 72948.76 73049.30 73104.47 73174.19 73207.15 73234.87
##        1        1        1        1        1        1        1        1
## 73347.67 73392.28 73413.87 73474.82 73538.09 73600.28 73608.99 73687.50
##        1        1        1        1        1        1        1        1
## 73863.25 73882.91 73884.48 73889.99 73910.90 73941.91 74024.61 74159.69
##        1        1        1        1        1        1        1        1
## 74166.24 74180.05 74430.08 74445.18 74535.94 74543.81 74623.27 74780.74
##        1        1        1        1        1        1        1        1
## 74903.41 75044.35 75180.20 75254.88 75265.96 75509.61 75524.78 75535.14
```

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##        1        1        1        1        1        1        1        1
## 75560.65 75687.46 75769.82 75805.12 76003.47 76246.96 76368.31 76408.19
##        1        1        1        1        1        1        1        1
## 76435.30 76480.16 76560.59 76893.84 76984.21 77143.61 77220.42 77460.07
##        1        1        1        1        1        1        1        1
## 77567.85 77871.75 77988.71 78092.95 78119.50 78520.99 79332.33 79484.80
##        1        1        1        1        1        1        1        1
##
## $Daily.Internet.Usage
##
## 104.78 105.00 105.04 105.15 105.22 105.63 105.69 105.71 105.86 105.94 106.04
##      1      1      1      1      1      1      1      1      1      1      1
## 106.86 106.96 107.19 107.56 107.92 108.03 108.10 108.15 108.16 108.17 108.18
##      1      1      1      1      1      1      1      1      1      1      1
## 108.25 108.27 108.70 108.85 109.00 109.04 109.07 109.22 109.29 109.34 109.77
##      1      1      1      1      1      1      1      1      1      1      1
## 109.98 110.25 110.57 110.66 110.68 110.84 110.93 111.02 111.59 111.63 111.71
##      1      1      1      1      1      1      1      1      1      1      1
## 111.80 111.94 112.19 112.52 112.72 113.12 113.53 113.69 113.70 113.75 113.80
##      1      1      1      1      1      1      2      1      1      1      1
## 114.53 114.69 114.85 115.26 115.35 115.37 115.60 115.79 115.91 116.07 116.19
##      1      1      1      1      1      1      1      1      2      1      1
## 116.27 116.38 116.53 117.30 117.33 117.35 117.66 117.75 118.10 118.16 118.27
##      1      1      1      2      1      1      1      1      1      1      1
## 118.39 118.45 118.60 118.69 119.03 119.20 119.27 119.30 119.32 119.47 119.65
##      1      1      1      1      1      1      1      2      1      1      1
## 119.84 119.86 119.93 120.06 120.12 120.25 120.37 120.46 120.49 120.63 120.75
##      1      1      1      2      1      1      1      1      1      1      1
## 120.85 120.90 120.95 121.05 121.07 121.24 121.28 121.57 121.81 122.02 122.04
##      1      1      1      1      1      1      1      1      1      1      1
## 122.31 122.45 122.59 123.08 123.13 123.22 123.24 123.25 123.28 123.51 123.62
##      1      1      1      1      1      1      1      1      1      1      1
## 123.64 123.71 123.72 123.80 123.86 123.91 124.32 124.34 124.38 124.44 124.54
##      1      1      1      1      1      1      1      1      1      1      1
## 124.58 124.61 124.67 124.85 125.11 125.12 125.20 125.22 125.27 125.45 125.46
##      1      1      1      1      1      1      1      1      1      2      1
## 125.65 125.85 125.94 126.11 126.29 126.39 126.44 126.95 126.97 127.01 127.07
##      1      1      1      1      1      1      1      1      1      1      1
## 127.11 127.20 127.26 127.37 127.56 127.65 127.82 127.83 128.00 128.16 128.17
##      1      1      1      1      1      1      1      1      1      1      1
## 128.37 128.48 128.62 128.95 128.98 129.01 129.16 129.23 129.25 129.31 129.33
##      1      1      1      1      1      1      1      1      1      1      1
## 129.41 129.80 129.88 130.40 130.41 130.83 130.84 130.86 131.29 131.55 131.68
##      1      1      1      1      1      1      1      1      1      1      1
## 131.72 131.76 131.98 132.07 132.08 132.27 132.31 132.38 132.55 132.63 132.66
##      1      1      1      1      1      1      1      2      1      1      1
## 132.71 133.17 133.18 133.20 133.42 133.81 133.90 133.99 134.14 134.42 134.46
##      1      1      1      1      1      1      1      1      1      1      1
## 134.60 134.88 135.08 135.18 135.24 135.25 135.31 135.48 135.51 135.67 135.72
##      1      1      1      1      2      1      1      1      1      1      1
## 136.18 136.21 136.40 136.59 136.64 136.85 136.94 136.99 137.20 137.24 137.28
##      2      1      1      1      1      1      1      1      1      1      1
## 137.43 137.63 137.97 138.35 138.46 138.52 138.55 138.68 138.71 138.87 139.01
##      1      1      1      2      1      1      1      1      1      1      1
```

```
## 139.02 139.32 139.34 139.42 140.15 140.39 140.46 140.64 140.67 140.77 140.83
##      1      1      1      1      1      1      1      1      1      1      1
## 140.95 141.13 141.22 141.34 141.36 141.52 141.58 141.89 141.96 142.04 142.21
##      1      1      1      1      1      1      1      1      1      1      1
## 142.23 142.67 142.81 143.04 143.13 143.42 143.56 143.79 143.94 144.27 144.53
##      1      1      1      1      1      1      1      1      1      1      1
## 144.62 144.69 144.71 144.77 145.08 145.48 145.73 145.85 145.96 145.98 146.13
##      1      1      1      1      1      1      1      1      1      1      1
## 146.19 146.44 146.80 147.61 147.64 147.75 147.92 148.19 148.61 148.93 149.20
##      1      1      1      1      1      1      1      1      1      1      1
## 149.21 149.25 149.53 149.67 149.79 149.80 150.29 150.61 150.77 150.79 150.80
##      1      1      1      1      1      1      1      1      1      1      1
## 150.83 150.84 150.99 151.12 151.18 151.25 151.47 151.54 151.63 151.72 151.93
##      1      1      1      1      1      1      1      1      1      1      1
## 151.94 151.95 151.96 152.24 152.36 152.49 152.86 152.94 153.01 153.12 153.17
##      1      1      1      1      1      1      1      1      1      1      1
## 153.69 153.76 153.98 154.00 154.02 154.23 154.74 154.75 154.77 154.93 154.97
##      1      1      1      1      1      1      1      1      1      1      1
## 155.80 156.11 156.30 156.36 156.48 156.54 156.97 156.99 157.04 158.03 158.05
##      1      1      1      1      1      1      1      1      1      1      1
## 158.22 158.29 158.35 158.42 158.56 158.80 158.81 159.05 159.24 159.46 159.60
##      2      1      1      1      1      1      1      1      1      1      1
## 159.69 159.77 160.03 160.33 160.49 160.73 160.74 161.16 161.24 161.29 161.42
##      1      1      1      1      1      1      1      2      1      1      1
## 161.58 161.77 161.79 162.03 162.05 162.08 162.43 162.44 162.46 162.95 163.00
##      1      1      1      1      1      1      1      2      1      1      1
## 163.05 163.38 163.48 163.99 164.02 164.25 164.63 164.83 165.27 165.43 165.52
##      1      1      1      1      1      2      1      1      1      1      1
## 165.56 165.62 165.65 166.19 166.29 166.31 166.85 166.86 167.07 167.22 167.26
##      1      1      1      1      1      1      1      1      1      2      1
## 167.41 167.42 167.67 167.86 167.87 168.00 168.15 168.27 168.29 168.34 168.41
##      1      1      1      1      1      1      1      1      1      1      1
## 168.92 169.10 169.18 169.23 169.40 169.50 169.88 170.04 170.13 170.49 170.90
##      1      1      1      1      2      1      1      1      1      1      1
## 171.07 171.23 171.24 171.31 171.54 171.62 171.72 171.90 172.10 172.57 172.58
##      1      1      1      1      1      1      1      1      1      1      1
## 172.81 172.83 173.01 173.05 173.43 173.49 173.75 174.55 174.88 175.14 175.17
##      1      1      1      1      1      1      1      1      1      1      1
## 175.37 175.43 176.28 176.52 176.70 176.73 176.78 176.98 177.46 177.55 177.78
##      1      1      1      1      1      1      1      1      1      1      1
## 178.35 178.51 178.69 178.75 178.85 178.92 179.04 179.58 179.82 180.42 180.47
##      1      1      1      2      1      1      1      1      1      1      1
## 180.77 180.88 181.02 181.11 181.25 182.11 182.20 182.65 182.84 183.42 183.43
##      1      1      1      1      1      1      1      2      1      1      1
## 183.48 183.82 183.85 184.03 184.10 184.23 184.88 184.94 184.98 185.45 185.46
##      1      1      1      1      1      1      1      1      1      1      1
## 185.47 185.85 186.37 186.48 186.98 187.03 187.09 187.36 187.53 187.64 187.76
##      1      1      1      1      1      1      1      1      1      1      1
## 187.95 188.27 188.32 188.56 189.91 190.05 190.08 190.12 190.17 190.25 190.41
##      1      1      1      1      1      1      1      1      1      1      1
## 190.71 190.75 190.84 190.95 191.14 191.17 191.26 191.78 191.82 192.27 192.50
##      1      1      1      2      1      1      1      1      1      1      1
## 192.57 192.60 192.81 192.85 192.93 193.15 193.29 193.58 193.60 193.63 193.77
##      1      1      1      1      1      1      1      1      1      1      1
```

```
## 193.80 193.97 194.23 194.37 194.44 194.56 194.62 194.83 194.95 195.07 195.31
##      1      1      2      1      1      1      1      1      1      1      1
## 195.36 195.54 195.56 195.68 195.69 195.89 195.91 195.93 196.17 196.23 196.61
##      1      1      1      1      1      1      1      1      1      1      1
## 196.71 196.76 196.77 196.83 197.15 197.33 197.66 197.93 198.11 198.13 198.24
##      1      1      1      1      1      1      1      1      1      1      1
## 198.30 198.32 198.45 198.50 198.56 198.72 198.79 198.86 199.08 199.25 199.29
##      1      1      1      1      1      1      1      1      1      1      1
## 199.39 199.40 199.43 199.62 199.76 199.79 200.22 200.23 200.28 200.55 200.58
##      1      1      1      1      1      1      1      1      1      1      1
## 200.59 200.71 201.04 201.15 201.24 201.26 201.29 201.54 201.58 202.12 202.16
##      1      1      1      2      1      1      1      1      1      1      1
## 202.18 202.25 202.34 202.61 202.70 202.77 202.90 203.23 203.30 203.44 203.74
##      1      1      1      1      1      1      1      1      1      1      1
## 203.84 203.87 203.90 204.02 204.22 204.27 204.40 204.47 204.52 204.56 204.79
##      1      1      1      1      1      1      1      1      1      1      1
## 204.82 204.86 205.38 205.50 205.64 205.71 205.84 206.79 206.98 207.17 207.18
##      1      1      1      1      1      1      1      1      1      1      1
## 207.27 207.44 207.48 207.53 207.87 207.96 208.01 208.02 208.05 208.21 208.23
##      1      1      1      1      1      1      1      1      1      1      1
## 208.24 208.36 208.58 208.76 209.25 209.64 209.72 209.82 209.91 209.93 210.23
##      1      1      1      1      1      1      1      1      1      1      1
## 210.26 210.27 210.39 210.46 210.53 210.54 210.60 210.87 211.12 211.17 211.38
##      1      1      1      1      1      1      1      1      1      1      1
## 211.39 211.56 211.64 211.65 211.83 211.87 212.30 212.38 212.56 212.58 212.59
##      1      1      1      1      1      2      1      1      1      1      1
## 212.67 212.79 212.87 212.88 212.92 213.36 213.38 213.70 213.75 213.96 214.06
##      1      1      1      1      1      1      1      1      1      1      1
## 214.08 214.23 214.33 214.38 214.42 214.49 214.53 214.74 215.04 215.18 215.25
##      1      1      1      1      2      1      1      1      1      2      1
## 215.29 215.44 215.93 216.00 216.01 216.03 216.24 216.49 216.50 216.57 216.87
##      1      1      1      1      1      1      1      1      1      1      1
## 217.10 217.37 217.66 217.68 217.79 217.85 218.17 218.22 218.49 218.61 218.79
##      1      1      1      1      1      1      1      1      1      1      1
## 218.80 218.97 219.49 219.55 219.69 219.72 219.75 219.79 219.91 219.94 219.98
##      1      1      1      1      1      2      1      1      1      1      1
## 220.05 220.08 220.48 220.92 221.18 221.21 221.51 221.53 221.59 221.79 221.94
##      1      1      1      1      1      1      1      1      1      1      1
## 221.98 222.08 222.11 222.25 222.26 222.35 222.63 222.72 222.75 222.77 222.87
##      1      1      2      1      1      1      1      1      1      1      1
## 222.91 223.03 223.09 223.16 223.20 223.28 223.93 224.01 224.07 224.20 224.23
##      1      1      1      2      1      1      1      1      1      1      1
## 224.44 224.58 224.82 224.90 224.92 224.98 225.00 225.02 225.05 225.23 225.24
##      1      1      1      1      1      1      1      1      1      1      1
## 225.29 225.34 225.47 225.58 225.76 225.87 225.97 225.99 226.11 226.45 226.49
##      1      1      1      1      1      1      1      1      1      1      1
## 226.54 226.64 226.69 226.74 226.79 227.37 227.53 227.56 227.63 227.72 227.73
##      1      1      1      1      1      1      1      1      1      1      1
## 228.03 228.70 228.76 228.78 228.81 228.94 229.12 229.19 229.22 229.88 229.99
##      1      1      1      1      2      1      1      1      1      1      1
## 230.14 230.18 230.36 230.52 230.77 230.78 230.87 230.90 230.91 230.93 230.95
##      1      1      2      1      1      1      1      1      1      1      1
## 231.07 231.21 231.28 231.37 231.38 231.42 231.48 231.49 231.54 231.59 231.85
##      1      1      1      1      1      1      1      1      1      1      1
```

```
## 231.87 231.91 231.94 231.95 232.21 232.54 232.68 232.78 233.04 233.36 233.56
##      1      1      1      1      1      1      1      1      1      1      1
## 233.60 233.61 233.65 233.85 233.93 234.23 234.26 234.64 234.72 234.75 234.81
##      1      1      1      1      1      1      1      1      1      2      1
## 235.01 235.28 235.29 235.35 235.56 235.78 235.94 235.97 235.99 236.08 236.15
##      1      2      1      1      1      1      1      1      1      1      1
## 236.19 236.29 236.50 236.64 236.72 236.75 236.87 236.96 237.34 237.39 238.06
##      1      1      1      1      1      1      1      2      1      1      1
## 238.10 238.43 238.45 238.58 238.63 238.99 239.22 239.32 239.52 239.76 239.94
##      1      1      1      1      1      1      1      1      1      1      1
## 240.09 240.63 240.64 240.95 241.03 241.36 241.38 241.50 241.80 242.37 242.59
##      1      1      1      1      1      1      1      1      1      1      1
## 243.37 243.61 244.23 244.34 244.40 244.55 244.87 244.91 245.50 245.76 245.78
##      1      1      1      1      1      1      1      1      1      1      1
## 245.89 246.06 246.29 246.44 246.72 247.01 247.05 247.31 247.90 248.12 248.16
##      1      1      1      1      1      1      2      1      1      1      1
## 248.19 248.23 248.51 249.45 249.54 249.81 249.99 250.00 250.03 250.11 250.20
##      1      1      1      1      1      1      1      1      1      1      1
## 250.32 250.35 250.36 251.00 251.08 252.07 252.36 252.60 252.77 253.17 253.48
##      1      1      1      1      1      1      1      1      1      1      1
## 254.05 254.34 254.57 254.59 254.65 254.94 255.07 255.57 255.61 256.09 256.39
##      1      1      1      1      1      1      1      1      1      1      1
## 256.40 258.06 258.26 258.62 259.76 261.02 261.52 267.01 269.96
##      2      1      1      1      1      1      1      1      1
##
## $Ad.Topic.Line
##
##                         Adaptive 24hour Graphic Interface
##                                                         1
##                            Adaptive asynchronous attitude
##                                                         1
##                     Adaptive context-sensitive application
##                                                         1
##                    Adaptive contextually-based methodology
##                                                         1
##                       Adaptive demand-driven knowledgebase
##                                                         1
##                                Adaptive uniform capability
##                                                         1
##                                 Advanced 24/7 productivity
##                                                         1
##                            Advanced 5thgeneration capability
##                                                         1
##                             Advanced didactic conglomeration
##                                                         1
##                    Advanced disintermediate data-warehouse
##                                                         1
##                              Advanced exuding conglomeration
##                                                         1
##                               Advanced full-range migration
##                                                         1
##                                Advanced heuristic firmware
##                                                         1
##                                  Advanced local task-force
```

```
##                                                 1
##                     Advanced modular Local Area Network
##                                                 1
##                           Advanced systemic productivity
##                                                 1
##                    Advanced web-enabled standardization
##                                                 1
##                          Ameliorated actuating workforce
##                                                 1
##              Ameliorated bandwidth-monitored contingency
##                                                 1
##                       Ameliorated client-driven forecast
##                                                 1
##                   Ameliorated coherent open architecture
##                                                 1
##            Ameliorated contextually-based collaboration
##                                                 1
##                              Ameliorated discrete extranet
##                                                 1
##                             Ameliorated exuding encryption
##                                                 1
##                               Ameliorated exuding solution
##                                                 1
##       Ameliorated intermediate Graphical User Interface
##                                                 1
##                          Ameliorated leadingedge help-desk
##                                                 1
##                               Ameliorated local workforce
##                                                 1
##                             Ameliorated tangible hierarchy
##                                                 1
##                   Ameliorated upward-trending definition
##                                                 1
##                         Ameliorated user-facing help-desk
##                                                 1
##                  Ameliorated well-modulated complexity
##                                                 1
##                             Assimilated actuating policy
##                                                 1
##                            Assimilated discrete strategy
##                                                 1
##                           Assimilated encompassing portal
##                                                 1
##                            Assimilated fault-tolerant hub
##                                                 1
##                    Assimilated homogeneous service-desk
##                                                 1
##                             Assimilated hybrid initiative
##                                                 1
##                          Assimilated multi-state paradigm
##                                                 1
##                   Assimilated next generation firmware
##                                                 1
##                             Assimilated stable encryption
```

```
##                                                 1
##                   Automated client-driven orchestration
##                                                 1
##                           Automated coherent flexibility
##                                                 1
##                           Automated directional function
##                                                 1
##                  Automated full-range Internet solution
##                                                 1
##                                 Automated mobile model
##                                                 1
##                           Automated multi-state toolset
##                                                 1
##                      Automated object-oriented firmware
##                                                 1
##                                Automated stable help-desk
##                                                 1
##                                  Automated static concept
##                                                 1
##                          Automated web-enabled migration
##                                                 1
##                           Balanced 4thgeneration success
##                                                 1
##                             Balanced actuating moderator
##                                                 1
##                           Balanced asynchronous hierarchy
##                                                 1
##           Balanced contextually-based pricing structure
##                                                 1
##                                Balanced discrete approach
##                                                 1
##                 Balanced disintermediate conglomeration
##                                                 1
##                               Balanced dynamic application
##                                                 1
##                                Balanced empowering success
##                                                 1
##                           Balanced executive definition
##                                                 1
##                                Balanced heuristic approach
##                                                 1
##                        Balanced mobile Local Area Network
##                                                 1
##                             Balanced motivating help-desk
##                                                 1
##                          Balanced responsive open system
##                                                 1
##                                Balanced uniform algorithm
##                                                 1
##                             Balanced value-added database
##                                                 1
##      Business-focused asynchronous budgetary management
##                                                 1
##                       Business-focused background synergy
```

```
##                                                 1
##                 Business-focused client-driven forecast
##                                                 1
##               Business-focused encompassing neural-net
##                                                 1
##                   Business-focused high-level hardware
##                                                 1
##                    Business-focused holistic benchmark
##                                                 1
##                  Business-focused maximized complexity
##                                                 1
##                     Business-focused real-time toolset
##                                                 1
##                  Business-focused responsive website
##                                                 1
##                Business-focused transitional solution
##                                                 1
##                Business-focused user-facing benchmark
##                                                 1
##               Business-focused value-added definition
##                                                 1
##                          Centralized 24/7 installation
##                                                 1
##                             Centralized 24hour synergy
##                                                 1
##                       Centralized asynchronous portal
##                                                 1
##           Centralized clear-thinking Graphic Interface
##                                                 1
##                    Centralized client-driven workforce
##                                                 1
##                  Centralized content-based focus group
##                                                 1
##                    Centralized logistical secured line
##                                                 1
##                      Centralized multi-state hierarchy
##                                                 1
##                         Centralized neutral neural-net
##                                                 1
##                   Centralized systematic knowledgebase
##                                                 1
##                 Centralized tertiary pricing structure
##                                                 1
##                   Centralized user-facing service-desk
##                                                 1
##                      Centralized value-added hierarchy
##                                                 1
##                    Cloned 5thgeneration orchestration
##                                                 1
##               Cloned analyzing artificial intelligence
##                                                 1
##                               Cloned dedicated analyzer
##                                                 1
##                             Cloned explicit middleware
```

```
##                                                 1
##                           Cloned incremental matrices
##                                                 1
##                        Cloned object-oriented benchmark
##                                                 1
##                                 Cloned optimal leverage
##                                                 1
##                            Compatible composite project
##                                                 1
##                         Compatible dedicated productivity
##                                                 1
##                    Compatible intangible customer loyalty
##                                                 1
##                           Compatible intermediate concept
##                                                 1
##                             Compatible scalable emulation
##                                                 1
##                             Compatible systemic function
##                                                 1
##                                    Configurable 24/7 hub
##                                                 1
##                     Configurable asynchronous application
##                                                 1
##                      Configurable bottom-line application
##                                                 1
##                            Configurable coherent function
##                                                 1
##                   Configurable disintermediate throughput
##                                                 1
##                              Configurable dynamic adapter
##                                                 1
##                         Configurable dynamic secured line
##                                                 1
##                    Configurable fault-tolerant monitoring
##                                                 1
##                             Configurable impactful capacity
##                                                 1
##                             Configurable impactful firmware
##                                                 1
##                        Configurable impactful productivity
##                                                 1
##                      Configurable interactive contingency
##                                                 1
##        Configurable logistical Graphical User Interface
##                                                 1
##                  Configurable mission-critical algorithm
##                                                 1
##                      Configurable multi-state utilization
##                                                 1
##               Configurable tertiary budgetary management
##                                                 1
##                           Configurable tertiary capability
##                                                 1
##                           Cross-group global orchestration
```

```
##                                                 1
##                 Cross-group human-resource time-frame
##                                                 1
##                           Cross-group neutral synergy
##                                                 1
##                 Cross-group non-volatile secured line
##                                                 1
##                          Cross-group regional website
##                                                 1
##                 Cross-group systemic customer loyalty
##                                                 1
##                       Cross-group value-added success
##                                                 1
##               Cross-platform 4thgeneration focus group
##                                                 1
##                 Cross-platform client-server hierarchy
##                                                 1
##                    Cross-platform directional intranet
##                                                 1
##             Cross-platform logistical pricing structure
##                                                 1
##                    Cross-platform multimedia algorithm
##                                                 1
##                  Cross-platform neutral system engine
##                                                 1
##                    Cross-platform regional task-force
##                                                 1
##                  Cross-platform zero-defect structure
##                                                 1
##                          Customer-focused 24/7 concept
##                                                 1
##      Customer-focused attitude-oriented instruction set
##                                                 1
##                   Customer-focused empowering ability
##                                                 1
##                   Customer-focused explicit challenge
##                                                 1
##          Customer-focused fault-tolerant implementation
##                                                 1
##                 Customer-focused full-range neural-net
##                                                 1
##                    Customer-focused impactful success
##                                                 1
##              Customer-focused incremental system engine
##                                                 1
##        Customer-focused multi-tasking Internet solution
##                                                 1
##                  Customer-focused optimizing moderator
##                                                 1
##             Customer-focused solution-oriented software
##                                                 1
##           Customer-focused system-worthy superstructure
##                                                 1
##                 Customer-focused transitional strategy
```

```
##                                                 1
##           Customer-focused upward-trending contingency
##                                                 1
##       Customer-focused zero-defect process improvement
##                                                 1
##              Customizable 6thgeneration knowledge user
##                                                 1
##                        Customizable executive software
##                                                 1
##                          Customizable holistic archive
##                                                 1
##                   Customizable homogeneous contingency
##                                                 1
##                     Customizable hybrid system engine
##                                                 1
##       Customizable methodical Graphical User Interface
##                                                 1
##                  Customizable mission-critical adapter
##                                                 1
##                 Customizable modular Internet solution
##                                                 1
##                     Customizable multi-tasking website
##                                                 1
##                  Customizable systematic service-desk
##                                                 1
##                       Customizable tangible hierarchy
##                                                 1
##                     Customizable value-added project
##                                                 1
##             Customizable zero-defect Internet solution
##                                                 1
##                       Customizable zero-defect matrix
##                                                 1
##                     De-engineered actuating hierarchy
##                                                 1
##             De-engineered attitude-oriented projection
##                                                 1
##                  De-engineered fault-tolerant database
##                                                 1
##                  De-engineered intangible flexibility
##                                                 1
##                    De-engineered mobile infrastructure
##                                                 1
##                 De-engineered object-oriented protocol
##                                                 1
##       De-engineered solution-oriented open architecture
##                                                 1
##                    De-engineered tertiary secured line
##                                                 1
##                         Decentralized 24hour approach
##                                                 1
##               Decentralized attitude-oriented interface
##                                                 1
##                    Decentralized bottom-line help-desk
```

```
##                                                 1
##              Decentralized client-driven data-warehouse
##                                                 1
##                 Decentralized foreground infrastructure
##                                                 1
##                     Decentralized methodical capability
##                                                 1
##                      Decentralized needs-based analyzer
##                                                 1
##                         Decentralized real-time circuit
##                                                 1
##                     Devolved exuding Local Area Network
##                                                 1
##                         Devolved human-resource circuit
##                                                 1
##                             Devolved regional moderator
##                                                 1
##                           Devolved responsive structure
##                                                 1
##                              Devolved tangible approach
##                                                 1
##                    Devolved zero administration intranet
##                                                 1
##                         Digitized content-based circuit
##                                                 1
##                    Digitized contextually-based product
##                                                 1
##                       Digitized disintermediate ability
##                                                 1
##                             Digitized global capability
##                                                 1
##                           Digitized heuristic solution
##                                                 1
##                              Digitized homogeneous core
##                                                 1
##                         Digitized interactive initiative
##                                                 1
##                           Digitized radical architecture
##                                                 1
##                                  Digitized radical array
##                                                 1
##                             Digitized static capability
##                                                 1
##                    Digitized zero-defect implementation
##                                                 1
##                   Digitized zero administration paradigm
##                                                 1
##                    Distributed 3rdgeneration definition
##                                                 1
##                         Distributed bifurcated challenge
##                                                 1
##                           Distributed cohesive migration
##                                                 1
##                   Distributed fault-tolerant service-desk
```

```
##                                                 1
##                       Distributed intangible database
##                                                 1
##                  Distributed leadingedge orchestration
##                                                 1
##                          Distributed maximized ability
##                                                 1
##                     Distributed scalable orchestration
##                                                 1
##                     Distributed tertiary system engine
##                                                 1
##                              Diverse background ability
##                                                 1
##                            Diverse directional hardware
##                                                 1
##                           Diverse executive groupware
##                                                 1
##                           Diverse leadingedge website
##                                                 1
##                             Diverse modular interface
##                                                 1
##                    Diverse multi-tasking parallelism
##                                                 1
##                                Diverse stable circuit
##                                                 1
##                      Down-sized background groupware
##                                                 1
##                   Down-sized bandwidth-monitored core
##                                                 1
##                Down-sized explicit budgetary management
##                                                 1
##                             Down-sized modular intranet
##                                                 1
##                      Down-sized uniform info-mediaries
##                                                 1
##                      Down-sized well-modulated archive
##                                                 1
##                     Enhanced asymmetric installation
##                                                 1
##                           Enhanced dedicated support
##                                                 1
##                        Enhanced homogeneous moderator
##                                                 1
##                           Enhanced intangible portal
##                                                 1
##                     Enhanced intermediate standardization
##                                                 1
##                              Enhanced maximized access
##                                                 1
##                           Enhanced methodical database
##                                                 1
##                           Enhanced optimizing website
##                                                 1
##                         Enhanced regional conglomeration
```

```
##                                                 1
##                       Enhanced system-worthy application
##                                                 1
##                           Enhanced system-worthy toolset
##                                                 1
##                              Enhanced systematic adapter
##                                                 1
##                              Enhanced systemic benchmark
##                                                 1
##                            Enhanced tertiary utilization
##                                                 1
##                Enhanced zero tolerance Graphic Interface
##                                                 1
##              Enterprise-wide bi-directional secured line
##                                                 1
##                Enterprise-wide client-driven contingency
##                                                 1
##                     Enterprise-wide foreground emulation
##                                                 1
##           Enterprise-wide incremental Internet solution
##                                                 1
##                           Enterprise-wide local matrices
##                                                 1
##                           Enterprise-wide tangible model
##                                                 1
##                                  Ergonomic 24/7 solution
##                                                 1
##                     Ergonomic client-driven application
##                                                 1
##                               Ergonomic empowering frame
##                                                 1
##                          Ergonomic full-range time-frame
##                                                 1
##                            Ergonomic methodical encoding
##                                                 1
##                          Ergonomic multi-state structure
##                                                 1
##                                 Ergonomic neutral portal
##                                                 1
##                        Ergonomic zero tolerance encoding
##                                                 1
##                           Exclusive client-driven model
##                                                 1
##                              Exclusive cohesive intranet
##                                                 1
##                              Exclusive discrete firmware
##                                                 1
##              Exclusive disintermediate Internet solution
##                                                 1
##                     Exclusive disintermediate task-force
##                                                 1
##                        Exclusive even-keeled moratorium
##                                                 1
##                    Exclusive multi-state Internet solution
```

```
##                                                 1
##                          Exclusive neutral parallelism
##                                                 1
##                         Exclusive systematic algorithm
##                                                 1
##                       Exclusive zero tolerance alliance
##                                                 1
##                         Exclusive zero tolerance frame
##                                                 1
##                           Expanded clear-thinking core
##                                                 1
##                            Expanded full-range synergy
##                                                 1
##                           Expanded intangible solution
##                                                 1
##                           Expanded modular application
##                                                 1
##                              Expanded radical software
##                                                 1
##                         Expanded value-added emulation
##                                                 1
##                  Expanded zero administration attitude
##                                                 1
##                            Extended analyzing emulation
##                                                 1
##                  Extended context-sensitive monitoring
##                                                 1
##                        Extended grid-enabled hierarchy
##                                                 1
##                             Extended interactive model
##                                                 1
##                           Extended leadingedge solution
##                                                 1
##                              Extended local methodology
##                                                 1
##                               Extended systemic policy
##                                                 1
##                      Face-to-face analyzing encryption
##                                                 1
##                     Face-to-face dedicated flexibility
##                                                 1
##                       Face-to-face even-keeled website
##                                                 1
##                      Face-to-face executive encryption
##                                                 1
##                     Face-to-face intermediate approach
##                                                 1
##                       Face-to-face methodical intranet
##                                                 1
##                 Face-to-face mission-critical definition
##                                                 1
##                Face-to-face modular budgetary management
##                                                 1
##                           Face-to-face multimedia success
```

```
##                                                 1
##                     Face-to-face reciprocal methodology
##                                                 1
##                        Face-to-face responsive alliance
##                                                 1
##                           Focused 24hour implementation
##                                                 1
##                  Focused 3rdgeneration pricing structure
##                                                 1
##                                Focused coherent success
##                                                 1
##                 Focused fresh-thinking Graphic Interface
##                                                 1
##                       Focused high-level conglomeration
##                                                 1
##                                Focused high-level frame
##                                                 1
##                    Focused incremental Graphic Interface
##                                                 1
##                             Focused intangible moderator
##                                                 1
##                           Focused multi-state workforce
##                                                 1
##                       Focused multimedia implementation
##                                                 1
##                             Focused scalable complexity
##                                                 1
##                              Focused systemic benchmark
##                                                 1
##                           Focused upward-trending core
##                                                 1
##              Focused web-enabled Graphical User Interface
##                                                 1
##                     Front-line actuating functionalities
##                                                 1
##                  Front-line bandwidth-monitored capacity
##                                                 1
##                           Front-line bifurcated ability
##                                                 1
##                                Front-line dynamic model
##                                                 1
##                           Front-line even-keeled website
##                                                 1
##                      Front-line fault-tolerant intranet
##                                                 1
##                    Front-line fresh-thinking installation
##                                                 1
##                     Front-line fresh-thinking open system
##                                                 1
##                        Front-line heuristic data-warehouse
##                                                 1
##                             Front-line incremental access
##                                                 1
##                           Front-line intermediate database
```

```
##                                                 1
##                     Front-line methodical utilization
##                                                 1
##                             Front-line multi-state hub
##                                                 1
##                            Front-line neutral alliance
##                                                 1
##                  Front-line non-volatile implementation
##                                                 1
##                    Front-line system-worthy flexibility
##                                                 1
##                          Front-line systemic capability
##                                                 1
##                            Front-line tangible alliance
##                                                 1
##                    Front-line upward-trending groupware
##                                                 1
##                            Front-line zero-defect array
##                                                 1
##                Fully-configurable 5thgeneration circuit
##                                                 1
##                Fully-configurable asynchronous firmware
##                                                 1
##            Fully-configurable clear-thinking throughput
##                                                 1
##       Fully-configurable client-driven customer loyalty
##                                                 1
##  Fully-configurable context-sensitive Graphic Interface
##                                                 1
##                     Fully-configurable eco-centric frame
##                                                 1
##                  Fully-configurable foreground solution
##                                                 1
##                 Fully-configurable high-level groupware
##                                                 1
##            Fully-configurable high-level implementation
##                                                 1
##                  Fully-configurable holistic throughput
##                                                 1
## Fully-configurable incremental Graphical User Interface
##                                                 1
##                  Fully-configurable neutral open system
##                                                 1
##                Fully-configurable systemic productivity
##                                                 1
##           Function-based context-sensitive secured line
##                                                 1
##                 Function-based directional productivity
##                                                 1
##                       Function-based executive moderator
##                                                 1
##                     Function-based fault-tolerant model
##                                                 1
##              Function-based incremental standardization
```

```
##                                                 1
##                     Function-based optimizing extranet
##                                                 1
##                     Function-based optimizing protocol
##                                                 1
##                         Function-based stable alliance
##                                                 1
##                 Function-based transitional complexity
##                                                 1
##                Fundamental clear-thinking knowledgebase
##                                                 1
##                   Fundamental fault-tolerant neural-net
##                                                 1
##                         Fundamental methodical support
##                                                 1
##                          Fundamental modular algorithm
##                                                 1
##                        Fundamental tangible moratorium
##                                                 1
##                    Fundamental zero tolerance solution
##                                                 1
##            Future-proofed coherent budgetary management
##                                                 1
##                      Future-proofed coherent hardware
##                                                 1
##            Future-proofed fresh-thinking conglomeration
##                                                 1
##              Future-proofed grid-enabled implementation
##                                                 1
##                   Future-proofed holistic superstructure
##                                                 1
##                      Future-proofed methodical protocol
##                                                 1
##                      Future-proofed modular utilization
##                                                 1
##                        Future-proofed responsive matrix
##                                                 1
##                          Future-proofed stable function
##                                                 1
##                     Grass-roots 4thgeneration forecast
##                                                 1
##                          Grass-roots coherent extranet
##                                                 1
##                        Grass-roots cohesive monitoring
##                                                 1
##                   Grass-roots eco-centric instruction set
##                                                 1
##                         Grass-roots empowering paradigm
##                                                 1
##                     Grass-roots impactful system engine
##                                                 1
##                   Grass-roots mission-critical emulation
##                                                 1
##                          Grass-roots multimedia policy
```

```
##                                                 1
##           Grass-roots solution-oriented conglomeration
##                                                 1
##                         Grass-roots systematic hardware
##                                                 1
##                   Grass-roots transitional flexibility
##                                                 1
##                     Horizontal client-driven hierarchy
##                                                 1
##                      Horizontal client-server database
##                                                 1
##                       Horizontal content-based synergy
##                                                 1
##                       Horizontal even-keeled challenge
##                                                 1
##                             Horizontal global leverage
##                                                 1
##                          Horizontal heuristic support
##                                                 1
##                          Horizontal heuristic synergy
##                                                 1
##                         Horizontal high-level concept
##                                                 1
##                           Horizontal hybrid challenge
##                                                 1
##                        Horizontal incremental website
##                                                 1
##                     Horizontal intermediate monitoring
##                                                 1
##                              Horizontal modular success
##                                                 1
##                       Horizontal multi-state interface
##                                                 1
##                       Horizontal national architecture
##                                                 1
##                      Horizontal transitional challenge
##                                                 1
##                   Implemented asynchronous application
##                                                 1
##                       Implemented bifurcated workforce
##                                                 1
##                 Implemented bottom-line implementation
##                                                 1
##        Implemented context-sensitive Local Area Network
##                                                 1
##                             Implemented didactic support
##                                                 1
##                               Implemented discrete frame
##                                                 1
##                   Implemented disintermediate attitude
##                                                 1
##                            Implemented uniform synergy
##                                                 1
##                   Innovative background conglomeration
```

```
##                                                 1
##                   Innovative cohesive pricing structure
##                                                 1
##                            Innovative executive encoding
##                                                 1
##                         Innovative homogeneous alliance
##                                                 1
##                          Innovative interactive portal
##                                                 1
##                         Innovative maximized groupware
##                                                 1
##                          Innovative regional groupware
##                                                 1
##                          Innovative regional structure
##                                                 1
##                         Innovative user-facing extranet
##                                                 1
##                    Integrated 3rdgeneration monitoring
##                                                 1
##                    Integrated client-server definition
##                                                 1
##                   Integrated coherent pricing structure
##                                                 1
##                         Integrated encompassing support
##                                                 1
##            Integrated grid-enabled budgetary management
##                                                 1
##                      Integrated human-resource encoding
##                                                 1
##                          Integrated impactful groupware
##                                                 1
##                          Integrated interactive support
##                                                 1
##                            Integrated leadingedge frame
##                                                 1
##                     Integrated maximized service-desk
##                                                 1
##                      Integrated motivating neural-net
##                                                 1
##                             Intuitive dynamic attitude
##                                                 1
##                      Intuitive explicit conglomeration
##                                                 1
##                            Intuitive explicit firmware
##                                                 1
##                         Intuitive exuding service-desk
##                                                 1
##                       Intuitive fresh-thinking moderator
##                                                 1
##                                Intuitive global website
##                                                 1
##                          Intuitive modular system engine
##                                                 1
##                             Intuitive radical forecast
```

```
##                                                 1
##          Intuitive transitional artificial intelligence
##                                                 1
##                        Intuitive zero-defect framework
##                                                 1
##                   Intuitive zero administration adapter
##                                                 1
##                      Inverse asymmetric instruction set
##                                                 1
##                   Inverse bi-directional knowledge user
##                                                 1
##                               Inverse discrete extranet
##                                                 1
##                           Inverse high-level capability
##                                                 1
##                                    Inverse local hub
##                                                 1
##                                 Inverse national core
##                                                 1
##                      Inverse next generation moratorium
##                                                 1
##                                Inverse stable synergy
##                                                 1
##                          Inverse zero-defect capability
##                                                 1
##                 Inverse zero tolerance customer loyalty
##                                                 1
##                               Managed 24hour analyzer
##                                                 1
##                         Managed 5thgeneration time-frame
##                                                 1
##                          Managed 6thgeneration hierarchy
##                                                 1
##             Managed attitude-oriented Internet solution
##                                                 1
##                               Managed client-server access
##                                                 1
##                               Managed didactic flexibility
##                                                 1
##                      Managed disintermediate capability
##                                                 1
##                        Managed disintermediate matrices
##                                                 1
##                               Managed eco-centric encoding
##                                                 1
##                    Managed grid-enabled standardization
##                                                 1
##                               Managed impactful definition
##                                                 1
##                                  Managed national hardware
##                                                 1
##                 Managed upward-trending instruction set
##                                                 1
##                      Managed well-modulated collaboration
```

```
##                                                 1
##                         Managed zero tolerance concept
##                                                 1
##                       Mandatory 3rdgeneration moderator
##                                                 1
##                       Mandatory 4thgeneration structure
##                                                 1
##                            Mandatory coherent groupware
##                                                 1
##                     Mandatory dedicated data-warehouse
##                                                 1
##                  Mandatory disintermediate info-mediaries
##                                                 1
##                     Mandatory disintermediate utilization
##                                                 1
##                       Mandatory empowering focus group
##                                                 1
##                     Mandatory homogeneous architecture
##                                                 1
##                               Monitored 24/7 moratorium
##                                                 1
##                   Monitored content-based implementation
##                                                 1
##                   Monitored context-sensitive initiative
##                                                 1
##                        Monitored dynamic instruction set
##                                                 1
##                       Monitored executive architecture
##                                                 1
##                           Monitored explicit hierarchy
##                                                 1
##             Monitored homogeneous artificial intelligence
##                                                 1
##                          Monitored intermediate circuit
##                                                 1
##                       Monitored local Internet solution
##                                                 1
##                     Monitored national standardization
##                                                 1
##               Monitored object-oriented Graphic Interface
##                                                 1
##                     Monitored real-time superstructure
##                                                 1
##                          Monitored systematic hierarchy
##                                                 1
##               Monitored zero administration collaboration
##                                                 1
##                     Multi-channeled 3rdgeneration model
##                                                 1
##                   Multi-channeled asymmetric installation
##                                                 1
##                  Multi-channeled asynchronous open system
##                                                 1
##                Multi-channeled attitude-oriented toolset
```

```
##                                                 1
##               Multi-channeled mission-critical success
##                                                 1
##                   Multi-channeled non-volatile website
##                                                 1
##      Multi-channeled reciprocal artificial intelligence
##                                                 1
##                    Multi-channeled scalable moratorium
##                                                 1
##                   Multi-lateral 24/7 Internet solution
##                                                 1
##                Multi-lateral attitude-oriented adapter
##                                                 1
##                    Multi-lateral empowering throughput
##                                                 1
##                       Multi-lateral motivating circuit
##                                                 1
##                   Multi-lateral multi-state encryption
##                                                 1
##             Multi-layered 4thgeneration knowledge user
##                                                 1
##                Multi-layered fresh-thinking neural-net
##                                                 1
##        Multi-layered fresh-thinking process improvement
##                                                 1
##     Multi-layered non-volatile Graphical User Interface
##                                                 1
##                       Multi-layered secondary software
##                                                 1
##                          Multi-layered stable encoding
##                                                 1
##                          Multi-layered tangible portal
##                                                 1
##                     Multi-layered user-facing paradigm
##                                                 1
##                  Multi-layered user-facing parallelism
##                                                 1
##               Multi-tiered foreground Graphic Interface
##                                                 1
##                        Multi-tiered heuristic strategy
##                                                 1
##                  Multi-tiered human-resource structure
##                                                 1
##                    Multi-tiered interactive neural-net
##                                                 1
##                         Multi-tiered maximized archive
##                                                 1
##                           Multi-tiered mobile encoding
##                                                 1
##                     Multi-tiered multi-state moderator
##                                                 1
##                  Multi-tiered real-time implementation
##                                                 1
##                           Multi-tiered stable leverage
```

```
##                                                 1
##                     Networked asymmetric infrastructure
##                                                 1
##                        Networked client-server solution
##                                                 1
##                            Networked coherent interface
##                                                 1
##                         Networked even-keeled workforce
##                                                 1
##                         Networked foreground definition
##                                                 1
##                          Networked high-level structure
##                                                 1
##                           Networked impactful framework
##                                                 1
##                            Networked local secured line
##                                                 1
##                     Networked logistical info-mediaries
##                                                 1
##                          Networked non-volatile synergy
##                                                 1
##                   Networked regional Local Area Network
##                                                 1
##                        Networked responsive application
##                                                 1
##                                   Networked stable array
##                                                 1
##                     Networked stable open architecture
##                                                 1
##                     Object-based executive productivity
##                                                 1
##                     Object-based leadingedge complexity
##                                                 1
##                    Object-based modular functionalities
##                                                 1
##                  Object-based motivating instruction set
##                                                 1
##                               Object-based neutral policy
##                                                 1
##                             Object-based optimal solution
##                                                 1
##                    Object-based reciprocal knowledgebase
##                                                 1
##                Object-based system-worthy superstructure
##                                                 1
##                   Open-architected full-range projection
##                                                 1
##                  Open-architected impactful productivity
##                                                 1
##                    Open-architected intangible strategy
##                                                 1
##             Open-architected needs-based customer loyalty
##                                                 1
##                    Open-architected system-worthy ability
```

```
##                                                 1
##              Open-architected system-worthy task-force
##                                                 1
##                 Open-architected web-enabled benchmark
##                                                 1
##       Open-architected zero administration secured line
##                                                 1
##                     Open-source 5thgeneration leverage
##                                                 1
##                       Open-source coherent monitoring
##                                                 1
##                           Open-source coherent policy
##                                                 1
##                       Open-source even-keeled database
##                                                 1
##                           Open-source global strategy
##                                                 1
##                      Open-source holistic productivity
##                                                 1
##                             Open-source local approach
##                                                 1
##                     Open-source optimizing parallelism
##                                                 1
##                          Open-source scalable protocol
##                                                 1
##                           Open-source stable paradigm
##                                                 1
##                       Operative actuating installation
##                                                 1
##                  Operative didactic Local Area Network
##                                                 1
##                          Operative full-range forecast
##                                                 1
##              Operative multi-tasking Graphic Interface
##                                                 1
##                            Operative scalable emulation
##                                                 1
##                   Operative secondary functionalities
##                                                 1
##                              Operative stable moderator
##                                                 1
##                       Operative system-worthy protocol
##                                                 1
##                     Optimized 5thgeneration moratorium
##                                                 1
##                  Optimized attitude-oriented initiative
##                                                 1
##                    Optimized coherent Internet solution
##                                                 1
##                         Optimized intermediate help-desk
##                                                 1
##                             Optimized multimedia website
##                                                 1
##                                Optimized static archive
```

```
##                                                 1
##                         Optimized systemic capability
##                                                 1
##                 Optimized upward-trending productivity
##                                                 1
##                Optional contextually-based flexibility
##                                                 1
##                         Optional full-range projection
##                                                 1
##              Optional mission-critical functionalities
##                                                 1
##                            Optional modular throughput
##                                                 1
##                          Optional multi-state hardware
##                                                 1
##                           Optional regional throughput
##                                                 1
##                              Optional secondary access
##                                                 1
##                          Optional tangible productivity
##                                                 1
##                       Organic 3rdgeneration encryption
##                                                 1
##                         Organic asynchronous hierarchy
##                                                 1
##                       Organic bottom-line service-desk
##                                                 1
##                Organic contextually-based focus group
##                                                 1
##                             Organic interactive support
##                                                 1
##                       Organic leadingedge secured line
##                                                 1
##                              Organic logistical adapter
##                                                 1
##                               Organic motivating model
##                                                 1
##                          Organic next generation matrix
##                                                 1
##                        Organic well-modulated database
##                                                 1
##                              Organized 24/7 middleware
##                                                 1
##                       Organized client-driven alliance
##                                                 1
##           Organized contextually-based customer loyalty
##                                                 1
##                   Organized demand-driven knowledgebase
##                                                 1
##                            Organized empowering policy
##                                                 1
##                           Organized global flexibility
##                                                 1
##                                 Organized global model
```

```
##                                                 1
##                          Organized static focus group
##                                                 1
##                     Organized upward-trending contingency
##                                                 1
##                 Persevering 5thgeneration knowledge user
##                                                 1
##                       Persevering eco-centric flexibility
##                                                 1
##                        Persevering even-keeled help-desk
##                                                 1
##                        Persevering exuding system engine
##                                                 1
##                Persevering needs-based open architecture
##                                                 1
##                          Persevering reciprocal firmware
##                                                 1
##                          Persevering tertiary capability
##                                                 1
##                       Persistent demand-driven interface
##                                                 1
##                       Persistent even-keeled application
##                                                 1
##                  Persistent fault-tolerant service-desk
##                                                 1
##                        Persistent homogeneous framework
##                                                 1
##                        Phased 5thgeneration open system
##                                                 1
##                              Phased analyzing emulation
##                                                 1
##                         Phased clear-thinking encoding
##                                                 1
##                        Phased content-based middleware
##                                                 1
##                        Phased dynamic customer loyalty
##                                                 1
##                       Phased fault-tolerant definition
##                                                 1
##                             Phased full-range hardware
##                                                 1
##                                 Phased hybrid intranet
##                                                 1
##                            Phased hybrid superstructure
##                                                 1
##                  Phased leadingedge budgetary management
##                                                 1
##                      Phased transitional instruction set
##                                                 1
##                               Phased zero-defect portal
##                                                 1
##                       Phased zero administration success
##                                                 1
##                           Phased zero tolerance extranet
```

```
##                                                 1
##                         Polarized 5thgeneration matrix
##                                                 1
##                   Polarized 6thgeneration info-mediaries
##                                                 1
##                             Polarized analyzing concept
##                                                 1
##                           Polarized analyzing intranet
##                                                 1
##              Polarized attitude-oriented superstructure
##                                                 1
##                Polarized bandwidth-monitored moratorium
##                                                 1
##                               Polarized bifurcated array
##                                                 1
##           Polarized clear-thinking budgetary management
##                                                 1
##                           Polarized dynamic throughput
##                                                 1
##                          Polarized intangible encoding
##                                                 1
##                               Polarized logistical hub
##                                                 1
##                    Polarized mission-critical structure
##                                                 1
##                               Polarized modular function
##                                                 1
##                     Polarized multimedia system engine
##                                                 1
##                       Polarized tangible collaboration
##                                                 1
##                   Pre-emptive client-driven secured line
##                                                 1
##                   Pre-emptive client-server installation
##                                                 1
##                    Pre-emptive client-server open system
##                                                 1
##                Pre-emptive cohesive budgetary management
##                                                 1
##                    Pre-emptive content-based focus group
##                                                 1
##                         Pre-emptive content-based frame
##                                                 1
##                     Pre-emptive executive knowledgebase
##                                                 1
##                         Pre-emptive neutral contingency
##                                                 1
##           Pre-emptive next generation Internet solution
##                                                 1
##                    Pre-emptive next generation strategy
##                                                 1
##              Pre-emptive systematic budgetary management
##                                                 1
##                        Pre-emptive transitional protocol
```

```
##                                                 1
##                     Pre-emptive value-added workforce
##                                                 1
##                 Pre-emptive well-modulated moderator
##                                                 1
##          Pre-emptive zero tolerance Local Area Network
##                                                 1
##                         Proactive 5thgeneration frame
##                                                 1
##           Proactive actuating Graphical User Interface
##                                                 1
##                     Proactive asymmetric definition
##                                                 1
##                 Proactive bandwidth-monitored policy
##                                                 1
##                 Proactive client-server productivity
##                                                 1
##                  Proactive context-sensitive project
##                                                 1
##                      Proactive encompassing paradigm
##                                                 1
##                   Proactive interactive service-desk
##                                                 1
##                         Proactive local focus group
##                                                 1
##               Proactive next generation knowledge user
##                                                 1
##                   Proactive non-volatile encryption
##                                                 1
##                             Proactive radical support
##                                                 1
##                        Proactive secondary monitoring
##                                                 1
##            Profit-focused attitude-oriented task-force
##                                                 1
##                 Profit-focused dedicated utilization
##                                                 1
##                      Profit-focused secondary portal
##                                                 1
##                      Profit-focused systemic support
##                                                 1
##                 Profound bottom-line standardization
##                                                 1
##                            Profound dynamic attitude
##                                                 1
##                       Profound executive flexibility
##                                                 1
##                           Profound explicit hardware
##                                                 1
##                         Profound maximized workforce
##                                                 1
##                      Profound optimizing utilization
##                                                 1
##                               Profound stable product
```

```
##                                                 1
##                          Profound well-modulated array
##                                                 1
##            Profound zero administration instruction set
##                                                 1
##                  Programmable asymmetric data-warehouse
##                                                 1
##                           Programmable didactic capacity
##                                                 1
##                      Programmable empowering middleware
##                                                 1
##                   Programmable empowering orchestration
##                                                 1
##                       Programmable high-level benchmark
##                                                 1
##                       Programmable uniform productivity
##                                                 1
##                            Programmable uniform website
##                                                 1
##                             Progressive 24/7 definition
##                                                 1
##                             Progressive 24hour forecast
##                                                 1
##                           Progressive analyzing attitude
##                                                 1
##                         Progressive asynchronous adapter
##                                                 1
##            Progressive clear-thinking open architecture
##                                                 1
##                           Progressive empowering alliance
##                                                 1
##                       Progressive intermediate throughput
##                                                 1
##                       Progressive non-volatile neural-net
##                                                 1
##                  Progressive uniform budgetary management
##                                                 1
##                           Public-key asynchronous matrix
##                                                 1
##      Public-key bi-directional Graphical User Interface
##                                                 1
##                     Public-key disintermediate emulation
##                                                 1
##                           Public-key foreground groupware
##                                                 1
##                           Public-key impactful neural-net
##                                                 1
##          Public-key intangible Graphical User Interface
##                                                 1
##                          Public-key mission-critical core
##                                                 1
##                   Public-key non-volatile implementation
##                                                 1
##                           Public-key real-time definition
```

```
##                                                 1
##               Public-key solution-oriented focus group
##                                                 1
##                         Public-key zero-defect analyzer
##                                                 1
##             Quality-focused 5thgeneration orchestration
##                                                 1
##               Quality-focused bi-directional throughput
##                                                 1
##                             Quality-focused hybrid frame
##                                                 1
##                      Quality-focused maximized extranet
##                                                 1
##                  Quality-focused optimizing parallelism
##                                                 1
##                   Quality-focused scalable utilization
##                                                 1
##        Quality-focused zero-defect budgetary management
##                                                 1
##              Quality-focused zero-defect data-warehouse
##                                                 1
##                 Quality-focused zero tolerance matrices
##                                                 1
##                Re-contextualized human-resource success
##                                                 1
##                  Re-contextualized optimal service-desk
##                                                 1
##                  Re-contextualized reciprocal interface
##                                                 1
##                   Re-contextualized systemic time-frame
##                                                 1
##                      Re-engineered composite moratorium
##                                                 1
##          Re-engineered context-sensitive knowledge user
##                                                 1
##                    Re-engineered demand-driven capacity
##                                                 1
##                             Re-engineered exuding frame
##                                                 1
##                        Re-engineered impactful software
##                                                 1
##                       Re-engineered intangible software
##                                                 1
##                           Re-engineered neutral success
##                                                 1
##                   Re-engineered non-volatile neural-net
##                                                 1
##                             Re-engineered optimal policy
##                                                 1
##                          Re-engineered real-time success
##                                                 1
##                     Re-engineered responsive definition
##                                                 1
##             Re-engineered zero-defect open architecture
```

```
##                                                 1
##                  Reactive bi-directional standardization
##                                                 1
##                        Reactive bi-directional workforce
##                                                 1
##                               Reactive composite project
##                                                 1
##                         Reactive demand-driven capacity
##                                                 1
##                         Reactive demand-driven strategy
##                                                 1
##                            Reactive impactful challenge
##                                                 1
##                           Reactive interactive protocol
##                                                 1
##                                Reactive local challenge
##                                                 1
##                               Reactive national success
##                                                 1
##                     Reactive needs-based instruction set
##                                                 1
##                            Reactive responsive emulation
##                                                 1
##                            Reactive tangible contingency
##                                                 1
##                       Reactive upward-trending migration
##                                                 1
##                                      Realigned 24/7 core
##                                                 1
##                          Realigned content-based leverage
##                                                 1
##                               Realigned global initiative
##                                                 1
##                             Realigned intangible benchmark
##                                                 1
##                       Realigned intermediate application
##                                                 1
##                     Realigned next generation projection
##                                                 1
##                            Realigned reciprocal framework
##                                                 1
##                       Realigned scalable standardization
##                                                 1
##                            Realigned systematic function
##                                                 1
##                          Realigned tangible collaboration
##                                                 1
##                       Realigned zero tolerance emulation
##                                                 1
##                         Reduced background data-warehouse
##                                                 1
##                            Reduced bi-directional strategy
##                                                 1
##                                    Reduced global support
```

```
##                                                 1
##                             Reduced holistic help-desk
##                                                 1
##                          Reduced incremental productivity
##                                                 1
##                               Reduced mobile structure
##                                                 1
##                             Reduced multimedia project
##                                                 1
##                      Reverse-engineered 24hour hardware
##                                                 1
##          Reverse-engineered background Graphic Interface
##                                                 1
##                Reverse-engineered content-based intranet
##                                                 1
##           Reverse-engineered context-sensitive emulation
##                                                 1
##                     Reverse-engineered dynamic function
##                                                 1
##                Reverse-engineered maximized focus group
##                                                 1
##                  Reverse-engineered web-enabled support
##                                                 1
##             Reverse-engineered well-modulated capability
##                                                 1
##                          Right-sized asynchronous website
##                                                 1
##                         Right-sized logistical middleware
##                                                 1
##                             Right-sized mobile initiative
##                                                 1
##                        Right-sized multi-tasking solution
##                                                 1
##                  Right-sized solution-oriented benchmark
##                                                 1
##                        Right-sized system-worthy project
##                                                 1
##                    Right-sized transitional parallelism
##                                                 1
##                      Right-sized value-added initiative
##                                                 1
##                     Robust context-sensitive neural-net
##                                                 1
##                           Robust dedicated system engine
##                                                 1
##                              Robust holistic application
##                                                 1
##                           Robust logistical utilization
##                                                 1
##                 Robust object-oriented Graphic Interface
##                                                 1
##                           Robust responsive collaboration
##                                                 1
##                              Robust transitional ability
```

```
##                                                 1
##                              Robust uniform framework
##                                                 1
##                            Robust web-enabled attitude
##                                                 1
##                     Seamless 4thgeneration contingency
##                                                 1
##             Seamless bandwidth-monitored knowledge user
##                                                 1
##                       Seamless cohesive conglomeration
##                                                 1
##                Seamless composite budgetary management
##                                                 1
##                             Seamless full-range website
##                                                 1
##                           Seamless holistic time-frame
##                                                 1
##                        Seamless impactful info-mediaries
##                                                 1
##                         Seamless intangible secured line
##                                                 1
##                             Seamless motivating approach
##                                                 1
##                     Seamless object-oriented structure
##                                                 1
##                             Seamless optimal contingency
##                                                 1
##                                Seamless real-time array
##                                                 1
##                                   Secured 24hour policy
##                                                 1
##                        Secured clear-thinking middleware
##                                                 1
##           Secured encompassing Graphical User Interface
##                                                 1
##                           Secured intermediate approach
##                                                 1
##               Secured scalable Graphical User Interface
##                                                 1
##                         Secured secondary superstructure
##                                                 1
##                          Secured uniform instruction set
##                                                 1
##                        Secured upward-trending benchmark
##                                                 1
##               Self-enabling asynchronous knowledge user
##                                                 1
##                Self-enabling didactic pricing structure
##                                                 1
##                   Self-enabling even-keeled methodology
##                                                 1
##              Self-enabling holistic process improvement
##                                                 1
##                  Self-enabling incremental collaboration
```

```
##                                                 1
##                          Self-enabling local strategy
##                                                 1
##                 Self-enabling multimedia system engine
##                                                 1
##                       Self-enabling optimal initiative
##                                                 1
##                       Self-enabling tertiary challenge
##                                                 1
##            Self-enabling zero administration neural-net
##                                                 1
##                          Sharable 5thgeneration access
##                                                 1
##                            Sharable analyzing alliance
##                                                 1
##                          Sharable bottom-line solution
##                                                 1
##                        Sharable client-driven software
##                                                 1
##                   Sharable dedicated Graphic Interface
##                                                 1
##                         Sharable encompassing database
##                                                 1
##                           Sharable grid-enabled matrix
##                                                 1
##                      Sharable multimedia conglomeration
##                                                 1
##                              Sharable optimal capacity
##                                                 1
##                           Sharable reciprocal project
##                                                 1
##             Sharable secondary Graphical User Interface
##                                                 1
##                        Sharable upward-trending support
##                                                 1
##                           Sharable value-added solution
##                                                 1
##                      Stand-alone background open system
##                                                 1
##                  Stand-alone eco-centric system engine
##                                                 1
##                        Stand-alone empowering benchmark
##                                                 1
##                     Stand-alone encompassing throughput
##                                                 1
##                      Stand-alone explicit orchestration
##                                                 1
##                     Stand-alone logistical service-desk
##                                                 1
##                       Stand-alone motivating moratorium
##                                                 1
##                           Stand-alone national attitude
##                                                 1
##                          Stand-alone radical throughput
```

```
##                                                 1
##                         Stand-alone reciprocal synergy
##                                                 1
##                         Stand-alone tangible moderator
##                                                 1
##                       Stand-alone well-modulated product
##                                                 1
##                       Streamlined analyzing initiative
##                                                 1
##                     Streamlined cohesive conglomeration
##                                                 1
##                             Streamlined exuding adapter
##                                                 1
##                       Streamlined homogeneous analyzer
##                                                 1
##                     Streamlined logistical secured line
##                                                 1
##                Streamlined next generation implementation
##                                                 1
##                      Streamlined non-volatile analyzer
##                                                 1
##                           Switchable 3rdgeneration hub
##                                                 1
##                       Switchable analyzing encryption
##                                                 1
##                            Switchable mobile framework
##                                                 1
##                       Switchable multi-state success
##                                                 1
##                         Switchable real-time product
##                                                 1
##                         Switchable secondary ability
##                                                 1
##                  Switchable well-modulated infrastructure
##                                                 1
##                       Synchronized dedicated service-desk
##                                                 1
##                            Synchronized full-range portal
##                                                 1
##                     Synchronized grid-enabled moratorium
##                                                 1
##                    Synchronized human-resource moderator
##                                                 1
##                      Synchronized leadingedge help-desk
##                                                 1
##                      Synchronized multi-tasking ability
##                                                 1
##                           Synchronized multimedia model
##                                                 1
##                     Synchronized national infrastructure
##                                                 1
##                           Synchronized stable complexity
##                                                 1
##                         Synchronized systemic hierarchy
```

```
##                                                 1
##                         Synchronized user-facing core
##                                                 1
##                     Synchronized zero tolerance product
##                                                 1
##                 Synergistic asynchronous superstructure
##                                                 1
##                         Synergistic discrete middleware
##                                                 1
##                       Synergistic dynamic orchestration
##                                                 1
##                        Synergistic fresh-thinking array
##                                                 1
##                       Synergistic non-volatile analyzer
##                                                 1
##                         Synergistic reciprocal attitude
##                                                 1
##                       Synergistic stable infrastructure
##                                                 1
##                        Synergistic value-added extranet
##                                                 1
##                     Synergized clear-thinking protocol
##                                                 1
##                           Synergized coherent interface
##                                                 1
##                               Synergized cohesive array
##                                                 1
##                   Synergized context-sensitive database
##                                                 1
##                       Synergized grid-enabled framework
##                                                 1
##                            Synergized hybrid time-frame
##                                                 1
##                       Synergized intangible open system
##                                                 1
##                         Synergized multimedia emulation
##                                                 1
##                            Synergized uniform hierarchy
##                                                 1
##      Synergized well-modulated Graphical User Interface
##                                                 1
##                    Team-oriented 6thgeneration extranet
##                                                 1
##               Team-oriented bi-directional secured line
##                                                 1
##            Team-oriented context-sensitive installation
##                                                 1
##                           Team-oriented dynamic forecast
##                                                 1
##                       Team-oriented encompassing portal
##                                                 1
##                            Team-oriented executive core
##                                                 1
##           Team-oriented grid-enabled Local Area Network
```

```
##                                                 1
##                 Team-oriented high-level orchestration
##                                                 1
##                  Team-oriented systematic installation
##                                                 1
##                 Team-oriented transitional methodology
##                                                 1
##                   Team-oriented zero-defect initiative
##                                                 1
##                           Total 5thgeneration encoding
##                                                 1
##                    Total 5thgeneration standardization
##                                                 1
##                        Total asynchronous architecture
##                                                 1
##                           Total bi-directional success
##                                                 1
##                                 Total coherent archive
##                                                 1
##                          Total coherent superstructure
##                                                 1
##                              Total cohesive moratorium
##                                                 1
##                             Total directional approach
##                                                 1
##                           Total even-keeled architecture
##                                                 1
##                           Total grid-enabled application
##                                                 1
##                         Total human-resource flexibility
##                                                 1
##                                      Total local synergy
##                                                 1
##                              Total user-facing hierarchy
##                                                 1
##                       Total zero administration software
##                                                 1
##                  Triple-buffered 3rdgeneration migration
##                                                 1
##                  Triple-buffered demand-driven alliance
##                                                 1
##                   Triple-buffered foreground encryption
##                                                 1
##             Triple-buffered high-level Internet solution
##                                                 1
##                Triple-buffered human-resource complexity
##                                                 1
##                   Triple-buffered multi-state complexity
##                                                 1
##           Triple-buffered needs-based Local Area Network
##                                                 1
##                    Triple-buffered reciprocal time-frame
##                                                 1
##                         Triple-buffered regional toolset
```

```
##                                                 1
##                     Triple-buffered scalable groupware
##                                                 1
##               Triple-buffered systematic info-mediaries
##                                                 1
##                          Universal 24/7 implementation
##                                                 1
##                           Universal asymmetric archive
##                                                 1
##                         Universal asymmetric workforce
##                                                 1
##                       Universal bi-directional extranet
##                                                 1
##              Universal contextually-based system engine
##                                                 1
##                            Universal empowering adapter
##                                                 1
##                          Universal even-keeled analyzer
##                                                 1
##                               Universal global intranet
##                                                 1
##                            Universal incremental array
##                                                 1
##                    Universal multi-state system engine
##                                                 1
##         Universal transitional Graphical User Interface
##                                                 1
##                       Up-sized 6thgeneration moratorium
##                                                 1
##                            Up-sized asymmetric firmware
##                                                 1
##                  Up-sized bi-directional infrastructure
##                                                 1
##                           Up-sized bifurcated capability
##                                                 1
##                            Up-sized executive moderator
##                                                 1
##                         Up-sized incremental encryption
##                                                 1
##                             Up-sized intangible circuit
##                                                 1
##                                Up-sized maximized model
##                                                 1
##                   Up-sized next generation architecture
##                                                 1
##                           Up-sized real-time methodology
##                                                 1
##                              Up-sized secondary software
##                                                 1
##                            Up-sized tertiary contingency
##                                                 1
##                         Upgradable 4thgeneration portal
##                                                 1
##                         Upgradable asymmetric emulation
```

```
##                                                 1
##                       Upgradable asynchronous circuit
##                                                 1
##                   Upgradable directional system engine
##                                                 1
##                      Upgradable even-keeled challenge
##                                                 1
##                       Upgradable even-keeled hardware
##                                                 1
##                    Upgradable heuristic system engine
##                                                 1
##                             Upgradable local migration
##                                                 1
##                     Upgradable logistical flexibility
##                                                 1
##                  Upgradable multi-tasking initiative
##                                                 1
##                         Upgradable optimizing toolset
##                                                 1
##                       Upgradable system-worthy array
##                                                 1
##                 User-centric attitude-oriented adapter
##                                                 1
##                     User-centric composite contingency
##                                                 1
##                          User-centric discrete success
##                                                 1
##                    User-centric intangible contingency
##                                                 1
##                     User-centric intangible task-force
##                                                 1
##                 User-centric intermediate knowledge user
##                                                 1
##                 User-centric solution-oriented emulation
##                                                 1
##                  User-friendly asymmetric info-mediaries
##                                                 1
##               User-friendly bandwidth-monitored attitude
##                                                 1
##              User-friendly client-server instruction set
##                                                 1
##            User-friendly content-based customer loyalty
##                                                 1
##                     User-friendly grid-enabled analyzer
##                                                 1
##                      User-friendly impactful time-frame
##                                                 1
##                   User-friendly upward-trending intranet
##                                                 1
##                    User-friendly well-modulated leverage
##                                                 1
##                    Versatile 4thgeneration system engine
##                                                 1
##                      Versatile 6thgeneration parallelism
```

```
##                                                 1
##                       Versatile content-based protocol
##                                                 1
##                           Versatile dedicated software
##                                                 1
##                         Versatile homogeneous capacity
##                                                 1
##                               Versatile local forecast
##                                                 1
##                  Versatile mission-critical application
##                                                 1
##              Versatile next generation pricing structure
##                                                 1
##                        Versatile optimizing projection
##                                                 1
##                         Versatile reciprocal structure
##                                                 1
##                     Versatile responsive knowledge user
##                                                 1
##                           Versatile scalable encryption
##                                                 1
##                  Versatile solution-oriented secured line
##                                                 1
##                         Versatile transitional monitoring
##                                                 1
##                          Virtual 5thgeneration emulation
##                                                 1
##                         Virtual 5thgeneration neural-net
##                                                 1
##                   Virtual bandwidth-monitored initiative
##                                                 1
##                                Virtual bifurcated portal
##                                                 1
##                                 Virtual composite model
##                                                 1
##                         Virtual context-sensitive support
##                                                 1
##                          Virtual executive implementation
##                                                 1
##                  Virtual homogeneous budgetary management
##                                                 1
##                               Virtual impactful algorithm
##                                                 1
##                           Virtual scalable secured line
##                                                 1
##          Vision-oriented asynchronous Internet solution
##                                                 1
##     Vision-oriented attitude-oriented Internet solution
##                                                 1
##                   Vision-oriented bifurcated contingency
##                                                 1
##              Vision-oriented contextually-based extranet
##                                                 1
##                   Vision-oriented human-resource synergy
```

```
##                                                 1
##                     Vision-oriented methodical support
##                                                 1
##                   Vision-oriented multi-tasking success
##                                                 1
##                Vision-oriented next generation solution
##                                                 1
##                   Vision-oriented optimizing middleware
##                                                 1
##                     Vision-oriented real-time framework
##                                                 1
##                   Vision-oriented system-worthy forecast
##                                                 1
##                   Vision-oriented uniform knowledgebase
##                                                 1
##                           Visionary analyzing structure
##                                                 1
##                         Visionary asymmetric encryption
##                                                 1
##                    Visionary client-driven installation
##                                                 1
##                  Visionary maximized process improvement
##                                                 1
##                  Visionary mission-critical application
##                                                 1
##                        Visionary multi-tasking alliance
##                                                 1
##                            Visionary reciprocal circuit
##                                                 1
##
## $City
##
##                Adamsbury                Adamside               Adamsstad
##                        1                       1                       1
##                 Alanview           Alexanderfurt           Alexanderview
##                        1                       1                       1
##           Alexandrafort              Alexisland             Aliciatown
##                        1                       1                       1
##            Alvaradoport             Alvarezland             Amandafort
##                        1                       1                       1
##             Amandahaven             Amandaland                Amyfurt
##                        1                       1                       1
##                 Amyhaven         Andersonchester            Andersonfurt
##                        1                       1                       1
##             Andersonton           Andrewborough            Andrewmouth
##                        1                       1                       1
##              Angelhaven             Anthonyfurt           Ashleychester
##                        1                       1                       1
##             Ashleymouth           Austinborough             Austinland
##                        1                       1                       1
##              Bakerhaven             Barbershire                Beckton
##                        1                       1                       1
##         Benjaminchester              Bernardton              Bethburgh
##                        2                       1                       1
```

```
##              Birdshire           Blairborough              Blairville
##                      1                      1                       1
##           Blevinstown              Bowenview              Boyerberg
##                      1                      1                       1
##         Bradleyborough           Bradleyburgh             Bradleyside
##                      1                      1                       1
##        Bradshawborough              Bradyfurt             Brandiland
##                      1                      1                       1
##           Brandonbury            Brandonstad            Brandymouth
##                      1                      1                       1
##           Brendaburgh          Brendachester             Brianabury
##                      1                      1                       1
##             Brianfurt             Brianland         Brittanyborough
##                      1                      1                       1
##             Brownbury             Brownport               Brownton
##                      1                      1                       1
##             Browntown             Brownview             Bruceburgh
##                      1                      1                       1
##           Burgessside             Butlerfort              Calebberg
##                      1                      1                       1
##           Cameronberg           Campbellstad            Cannonbury
##                      1                      1                       1
##           Carsonshire            Carterburgh             Carterland
##                      1                      1                       1
##            Carterport              Carterton          Cassandratown
##                      1                      1                       1
##         Catherinefort          Cervantesshire            Chapmanland
##                      1                      1                       1
##          Chapmanmouth            Charlenetown            Charlesbury
##                      1                      1                       1
##           Charlesport           Charlottefort             Chaseshire
##                      1                      1                       1
##            Chrismouth           Christinehaven          Christinetown
##                      1                      1                       1
##     Christopherchester         Christopherport         Christopherville
##                      1                      1                       1
##           Clarkborough            Claytonside             Clineshire
##                      1                      1                       1
##             Codyburgh             Coffeytown               Colebury
##                      1                      1                       1
##          Colemanshire           Collinsburgh              Combsstad
##                      1                      1                       1
##         Contrerasshire            Costaburgh            Courtneyfort
##                      1                      1                       1
##              Coxhaven             Cranemouth           Crawfordfurt
##                      1                      1                       1
##        Cunninghamhaven             Curtisport             Curtisview
##                      1                      1                       1
##           Cynthiaside             Daisymouth             Danielview
##                      1                      1                       1
##             Davidmouth              Davidside              Davidstad
##                      1                      1                       1
##               Davidton              Davidview           Daviesborough
##                      1                      1                       1
```

```
##            Davieshaven          Davilachester              Davisfurt
##                      1                      1                      1
##                 Dayton            Deannaville            Debraburgh
##                      1                      1                      1
##           Derrickhaven            Destinyfurt            Dianashire
##                      1                      1                      1
##             Dianaville            Donaldshire            Douglasview
##                      1                      1                      1
##              Duffystad          Dustinborough          Dustinchester
##                      1                      1                      1
##           Dustinmouth             East Aaron           East Anthony
##                      1                      1                      1
##          East Barbara     East Benjaminville       East Breannafurt
##                      1                      1                      1
##          East Brettton         East Brianberg     East Brittanyville
##                      1                      1                      1
##           East Carlos       East Christopher    East Christopherbury
##                      1                      1                      1
##           East Connie              East Dana      East Deborahhaven
##                      1                      1                      1
##      East Debraborough             East Donna         East Donnatown
##                      1                      1                      1
##              East Eric          East Ericport        East Georgeside
##                      1                      1                      1
##         East Graceland       East Heatherside             East Heidi
##                      1                      1                      1
##             East Henry             East Jason          East Jennifer
##                      1                      1                      1
##         East Jessefort              East John          East Johnport
##                      1                      2                      1
##         East Kevinbury            East Lindsey           East Maureen
##                      1                      1                      1
##        East Michaelland       East Michaelmouth       East Michaeltown
##                      1                      1                      1
##            East Michele      East Michelleberg              East Mike
##                      1                      1                      1
##              East Paul       East Rachaelfurt        East Rachelview
##                      1                      1                      1
##             East Ronald     East Samanthashire            East Sharon
##                      1                      1                      1
##              East Shawn      East Shawnchester        East Sheriville
##                      1                      1                      1
##           East Stephen         East Susanland            East Tammie
##                      1                      1                      1
##       East Theresashire       East Tiffanyport           East Timothy
##                      1                      1                      2
##        East Timothyport          East Toddfort         East Troyhaven
##                      1                      1                      1
##         East Tylershire           East Valerie       East Vincentstad
##                      1                      1                      1
##      East Yvonnechester           Edwardmouth          Edwardsmouth
##                      1                      1                      1
##            Edwardsport          Elizabethbury         Elizabethmouth
##                      1                      1                      1
```

```
##          Elizabethport          Elizabethstad             Emilyfurt
##                      1                      1                     1
##         Ericksonmouth             Erikville             Erinmouth
##                      1                      1                     1
##               Erinton             Estesfurt            Estradafurt
##                      1                      1                     1
##          Estradashire             Evansfurt            Evansville
##                      1                      1                     1
##             Faithview            Florestown            Fosterside
##                      1                      1                     1
##             Frankbury           Frankchester             Frankport
##                      1                      1                     1
##          Fraziershire            Garciamouth            Garciaside
##                      1                      1                     1
##            Garciatown            Garciaview            Garnerberg
##                      1                      1                     1
##         Garrettborough            Garychester           Gilbertville
##                      1                      1                     1
##             Gomezport          Gonzalezburgh            Grahamberg
##                      1                      1                     1
##            Gravesport          Greenechester             Greentown
##                      1                      1                     1
##             Greerport              Greerton             Greghaven
##                      1                      1                     1
##            Guzmanland              Haleberg              Haleview
##                      1                      1                     1
##              Hallfort           Hamiltonfort           Hammondport
##                      1                      1                     1
##            Hannahside             Hannaport            Hansenland
##                      1                      1                     1
##           Hansenmouth            Harmonhaven          Harperborough
##                      1                      1                     1
##           Harrishaven          Harrisonmouth        Hartmanchester
##                      1                      1                     1
##              Hartport            Harveyport          Hatfieldshire
##                      1                      1                     1
##           Hawkinsbury            Hayesmouth           Heatherberg
##                      1                      1                     1
##          Helenborough          Hendrixmouth             Henryfort
##                      1                      1                     1
##             Henryland       Hernandezchester          Hernandezfort
##                      1                      1                     1
##          Hernandezside         Hernandezville               Hessstad
##                      1                      1                     1
##            Hintonport              Hobbsbury           Holderville
##                      1                      1                     1
##           Hollandberg             Hollyfurt           Hubbardmouth
##                      1                      1                     1
##         Huffmanchester            Hughesport          Hurleyborough
##                      1                      1                     1
##              Ianmouth            Ingramberg           Isaacborough
##                      1                      1                     1
##           Jacksonburgh           Jacksonmouth           Jacksonstad
##                      1                      1                     1
```

```
##              Jacobstad         Jacquelineshire              Jamesberg
##                      1                       1                      1
##              Jamesfurt             Jamesmouth              Jamesville
##                      1                       1                      1
##              Jamieberg              Jamiefort             Janiceview
##                      1                       1                      1
##             Jasminefort              Jayville           Jeffreyburgh
##                      1                       1                      1
##           Jeffreymouth           Jeffreyshire           Jenniferhaven
##                      1                       1                      1
##           Jenniferstad           Jensenborough               Jensenton
##                      1                       1                      1
##             Jeremybury            Jeremyshire           Jessicahaven
##                      1                       1                      1
##           Jessicashire            Jessicastad              Joanntown
##                      1                       1                      1
##             Joechester               Johnport            Johnsonfort
##                      1                       1                      1
##           Johnsontown            Johnsonview              Johnsport
##                      1                       1                      1
##              Johnstad           Johnstonmouth          Johnstonshire
##                      2                       1                      1
##           Jonathanland           Jonathantown              Jonesland
##                      1                       1                      1
##             Jonesmouth             Jonesshire              Joneston
##                      1                       1                      2
##            Jordanmouth            Jordanshire            Jordantown
##                      1                       1                      1
##             Josephberg            Josephmouth            Josephstad
##                      1                       1                      1
##            Joshuaburgh            Joshuamouth               Juanport
##                      1                       1                      1
##             Juliaport              Julietown            Karenmouth
##                      1                       1                      1
##              Karenton              Katieport            Kaylashire
##                      1                       1                      1
##             Keithtown              Kellytown           Kennedyfurt
##                      1                       1                      1
##            Kennethview              Kentmouth              Kevinberg
##                      1                       1                      1
##          Kevinchester          Kimberlyhaven          Kimberlymouth
##                      1                       1                      1
##          Kimberlytown           Kingchester              Kingshire
##                      1                       1                      1
##             Klineside             Knappburgh           Kristineberg
##                      1                       1                      1
##            Kristinfurt            Kristintown           Kyleborough
##                      1                       1                      1
##             Kylieview            Lake Adrian         Lake Allenville
##                      1                       1                      1
##            Lake Amanda              Lake Amy             Lake Angela
##                      1                       1                      1
##         Lake Annashire         Lake Beckyburgh         Lake Brandonview
##                      1                       1                      1
```

```
##             Lake Brian      Lake Cassandraport      Lake Charlottestad
##                      1                       1                       1
##    Lake Christopherfurt        Lake Conniefurt           Lake Courtney
##                      1                       1                       1
##          Lake Craigview           Lake Cynthia           Lake Danielle
##                      1                       1                       1
##             Lake David      Lake Deannaborough       Lake Deborahburgh
##                      2                       1                       1
##            Lake Dustin            Lake Edward      Lake Elizabethside
##                      1                       1                       1
##          Lake Evantown             Lake Faith            Lake Gerald
##                      1                       1                       1
##            Lake Hailey              Lake Ian             Lake Jacob
##                      1                       1                       1
##         Lake Jacqueline             Lake James       Lake Jasonchester
##                      1                       2                       1
##          Lake Jennifer       Lake Jenniferton           Lake Jessica
##                      1                       1                       1
##       Lake Jessicaville             Lake Jesus          Lake Jillville
##                      1                       1                       1
##              Lake John          Lake Johnbury       Lake Jonathanview
##                      1                       1                       1
##              Lake Jose           Lake Joseph           Lake Josetown
##                      2                       1                       1
##         Lake Joshuafurt             Lake Kevin          Lake Kurtmouth
##                      1                       1                       1
##              Lake Lisa           Lake Matthew        Lake Matthewland
##                      1                       1                       1
##       Lake Melindamouth           Lake Michael        Lake Michaelport
##                      1                       1                       1
##           Lake Michelle      Lake Michellebury            Lake Nicole
##                      1                       1                       1
##            Lake Patrick       Lake Rhondaburgh     Lake Stephenborough
##                      2                       1                       1
##              Lake Susan           Lake Timothy             Lake Tracy
##                      2                       1                       1
##            Lake Vanessa       Lake Zacharyfurt             Lauraburgh
##                      1                       1                       1
##             Laurieside        Lawrenceborough            Lawsonshire
##                      1                       1                       1
##               Leahside            Leonchester            Lesliebury
##                      1                       1                       1
##             Lesliefort            Lewismouth             Lindaside
##                      1                       1                       1
##           Lindsaymouth              Lisaberg              Lisafort
##                      1                       1                       1
##              Lisamouth             Lopezberg             Lopezmouth
##                      3                       1                       1
##             Loriville             Lovemouth            Luischester
##                      1                       1                       1
##               Luisfurt              Lukeport         Mackenziemouth
##                      1                       1                       1
##            Marcushaven             Mariahview             Mariebury
##                      1                       1                       1
```

```
##             Mariemouth              Markhaven             Masonhaven
##                      1                      1                      1
##           Masseyshire               Mataberg           Matthewtown
##                      1                      1                      1
##           Mauricefurt           Mauriceshire           Mcdonaldfort
##                      1                      1                      1
##         Mclaughlinbury            Meaganfort          Meghanchester
##                      1                      1                      1
##           Melanieton         Melissachester           Melissafurt
##                      1                      1                      1
##           Melissastad           Meyerchester           Meyersstad
##                      1                      1                      1
##               Mezaton            Michaelland          Michaelmouth
##                      1                      1                      1
##           Michaelshire           Micheletown           Michellefort
##                      1                      1                      1
##           Michelleside            Millerbury          Millerchester
##                      2                      2                      1
##           Millerfort             Millerland             Millerside
##                      1                      1                      1
##           Millertown             Millerview              Mollyport
##                      2                      1                      1
##           Monicaview             Morganfort             Morganport
##                      1                      1                      1
##           Morrismouth            Mosleyburgh             Mullenside
##                      1                      1                      1
##             Munozberg            Murphymouth             Nelsonfurt
##                      1                      1                      1
##             New Amanda           New Angelview             New Brandy
##                      1                      1                      1
##         New Brendafurt      New Charleschester       New Christinatown
##                      1                      1                      1
##            New Cynthia        New Daniellefort            New Darlene
##                      1                      1                      1
##           New Dawnland          New Debbiestad          New Denisebury
##                      1                      1                      1
##         New Frankshire             New Gabriel              New Henry
##                      1                      1                      1
##          New Hollyberg              New James           New Jamestown
##                      1                      1                      1
##           New Jasmine                New Jay      New Jeffreychester
##                      1                      1                      1
##         New Jessicaport           New Johnberg          New Joshuaport
##                      2                      1                      1
##               New Juan          New Julianberg               New Julie
##                      1                      1                      1
##           New Karenberg              New Kayla          New Keithburgh
##                      1                      1                      1
##           New Lindaberg          New Lucasburgh          New Marcusbury
##                      1                      1                      1
##              New Maria             New Matthew             New Michael
##                      1                      1                      1
##         New Michaeltown              New Nancy              New Nathan
##                      1                      1                      1
```

```
##       New Patriciashire            New Patrick              New Paul
##                       1                      1                     1
##             New Rachel             New Rebecca            New Sabrina
##                       1                      1                     1
##               New Sean              New Shane             New Sharon
##                       1                      1                     1
##             New Sheila           New Sonialand              New Steve
##                       2                      1                     1
##              New Tammy         New Taylorburgh             New Teresa
##                       1                      1                     1
##            New Theresa             New Thomas            New Timothy
##                       1                      1                     1
##               New Tina            New Tinamouth         New Traceystad
##                       1                      1                     1
##             New Travis          New Travistown              New Tyler
##                       1                      1                     1
##              New Wanda        New Williammouth        New Williamville
##                       1                      1                     1
##            Newmanberg            Nicholasland           Nicholasport
##                       1                      1                     1
##       North Aaronburgh      North Aaronchester         North Alexandra
##                       1                      1                     1
##          North Anaport            North Andrew        North Andrewstad
##                       1                      1                     1
##       North Angelastad        North Angelatown             North Anna
##                       1                      1                     1
##             North April            North Brandon     North Brittanyburgh
##                       1                      1                     1
##           North Cassie       North Charlesbury       North Christopher
##                       1                      1                     1
##           North Daniel             North Debra        North Debrashire
##                       2                      1                     1
##       North Derekville            North Destiny         North Elizabeth
##                       1                      1                     1
##        North Frankstad         North Garyhaven     North Isabellaville
##                       1                      1                     1
##    North Jenniferburgh        North Jeremyport      North Jessicaville
##                       1                      1                     1
##         North Johnside          North Johntown          North Jonathan
##                       1                      1                     1
##           North Joshua             North Katie       North Kennethside
##                       1                      1                     1
##        North Kevinside          North Kimberly          North Kristine
##                       1                      1                     1
##        North Lauraland        North Laurenview         North Leonmouth
##                       1                      1                     1
##       North Lisachester         North Loriburgh             North Mark
##                       1                      1                     1
##         North Maryland          North Mercedes           North Michael
##                       1                      1                     1
##       North Monicaville             North Randy          North Raymond
##                       1                      1                     1
##           North Regina       North Ricardotown      North Richardburgh
##                       1                      1                     1
```

```
##       North Ronaldshire    North Russellborough          North Samantha
##                       1                       1                       1
##         North Sarashire          North Shannon     North Stephanieberg
##                       1                       1                       1
##              North Tara          North Tiffany         North Tracyport
##                       1                       1                       1
##         North Tylerland          North Virginia     North Wesleychester
##                       1                       1                       1
##               Novaktown              Odomville              Olsonside
##                       1                       1                       1
##               Olsonstad             Palmerside             Pamelamouth
##                       1                       1                       2
##             Parkerhaven          Patriciahaven            Patrickmouth
##                       1                       1                       1
##             Pattymouth              Paulhaven                Paulport
##                       1                       1                       1
##              Paulshire            Pearsonfort                Penatown
##                       1                       1                       1
##              Perezland             Perryburgh            Petersonfurt
##                       1                       1                       1
##           Phelpschester             Philipberg            Phillipsbury
##                       1                       1                       1
##         Port Aliciabury       Port Angelamouth            Port Anthony
##                       1                       1                       1
##         Port Aprilville             Port Beth              Port Blake
##                       1                       1                       1
##             Port Brenda             Port Brian          Port Brianfort
##                       1                       1                       1
##      Port Brittanyville        Port Brookeland         Port Calvintown
##                       1                       1                       1
##             Port Cassie        Port Chasemouth          Port Christina
##                       1                       1                       1
##     Port Christinemouth       Port Christopher Port Christopherborough
##                       1                       1                       1
##             Port Crystal            Port Daniel       Port Danielleberg
##                       1                       1                       1
##          Port Davidland            Port Dennis          Port Derekberg
##                       1                       1                       1
##            Port Destiny    Port Douglasborough             Port Elijah
##                       1                       1                       1
##               Port Eric         Port Erikhaven           Port Erinberg
##                       1                       1                       1
##         Port Eugeneport        Port Georgebury            Port Gregory
##                       1                       1                       1
##         Port Jacqueline    Port Jacquelinestad              Port James
##                       1                       1                       1
##            Port Jasmine             Port Jason        Port Jefferybury
##                       1                       2                       1
##            Port Jeffrey          Port Jennifer            Port Jessica
##                       1                       1                       1
##       Port Jessicamouth             Port Jodi         Port Joshuafort
##                       1                       1                       1
##               Port Juan             Port Julie          Port Karenfurt
##                       2                       2                       1
```

```
##        Port Katelynview      Port Kathleenfort      Port Kevinborough
##                       1                      1                      1
##          Port Lawrence             Port Maria            Port Mathew
##                       1                      1                      1
##       Port Melissaberg       Port Melissastad      Port Michaelmouth
##                       1                      1                      1
##      Port Michealburgh          Port Mitchell        Port Patrickton
##                       1                      1                      1
##          Port Paultown            Port Rachel       Port Raymondfort
##                       1                      1                      1
##             Port Robin        Port Sarahhaven        Port Sarahshire
##                       1                      1                      1
##        Port Sherrystad            Port Stacey             Port Stacy
##                       1                      1                      1
##             Port Susan      Port Whitneyhaven            Portermouth
##                       1                      1                      1
##           Pottermouth             Princebury            Pruittmouth
##                       1                      1                      1
##           Rachelhaven           Ramirezhaven            Ramirezland
##                       1                      1                      1
##           Ramirezside             Ramirezton             Ramosstad
##                       1                      1                      1
##           Randolphport            Randyshire           Rebeccamouth
##                       1                      1                      1
##           Reginamouth           Reneechester             Reyesfurt
##                       1                      1                      1
##             Reyesland          Rhondaborough           Richardshire
##                       1                      1                      1
##          Richardsland         Richardsonland        Richardsonmouth
##                       1                      1                      1
##        Richardsonshire         Richardsontown            Rickymouth
##                       1                      1                      1
##             Riggsstad             Rivasland            Robertbury
##                       1                      1                      1
##             Robertfurt            Robertmouth            Robertside
##                       2                      1                      1
##         Robertsonburgh           Robertstown            Roberttown
##                       1                      1                      1
##          Robinsonland           Robinsontown             Rochabury
##                       1                      1                      1
##             Rogerburgh             Rogerland            Ronaldport
##                       1                      1                      1
##             Ronniemouth           Russellville            Ryanhaven
##                       1                      1                      1
##           Sabrinaview            Salazarbury          Samanthaland
##                       1                      1                      1
##          Samuelborough            Sanchezland          Sanchezmouth
##                       1                      1                      1
##           Sandersland            Sanderstown            Sandraland
##                       1                      1                      1
##           Sandrashire            Sandraville             Sarafurt
##                       1                      1                      1
##             Sarahland              Sarahton           Sellerstown
##                       1                      1                      1
```

```
##              Shaneland              Sharpberg              Shawnside
##                      1                      1                      1
##               Shawstad             Shelbyport            Sherrishire
##                      1                      2                      1
##           Shirleyfort               Silvaton            Smithburgh
##                      1                      1                      1
##             Smithside             Smithtown            South Aaron
##                      1                      1                      1
##            South Adam        South Adamhaven    South Alexisborough
##                      1                      1                      1
##       South Blakestad            South Brian        South Cathyfurt
##                      1                      1                      1
##      South Christopher            South Corey     South Cynthiashire
##                      1                      1                      1
##           South Daniel     South Daniellefort        South Davidhaven
##                      1                      1                      1
##       South Davidmouth            South Denise       South Denisefurt
##                      1                      1                      1
##       South Dianeshire            South George            South Henry
##                      1                      1                      1
##       South Jackieberg             South Jade         South Jaimeview
##                      1                      1                      1
##      South Jasminebury       South Jeanneport          South Jennifer
##                      1                      1                      1
##          South Jessica             South John      South Johnnymouth
##                      1                      1                      1
##             South Kyle          South Lauraton        South Lauratown
##                      1                      1                      1
##             South Lisa            South Manuel          South Margaret
##                      2                      1                      1
##             South Mark            South Meghan    South Meredithmouth
##                      1                      1                      1
##            South Pamela       South Patrickfort            South Peter
##                      1                      1                      1
##          South Rebecca            South Renee           South Robert
##                      1                      1                      1
##            South Ronald    South Stephanieport        South Tiffanyton
##                      1                      1                      1
##          South Tomside             South Troy   South Vincentchester
##                      1                      1                      1
##            South Walter             Staceyfort         Stephenborough
##                      1                      1                      1
##             Stewartbury            Suzannetown             Sylviaview
##                      1                      1                      1
##              Tammymouth             Tammyshire             Taylorberg
##                      1                      1                      1
##            Taylorhaven            Taylormouth             Taylorport
##                      1                      1                      1
##            Teresahaven             Thomasstad             Thomasview
##                      1                      1                      1
##            Timothyfurt            Timothymouth            Timothyport
##                      1                      1                      1
##            Timothytown            Tinachester                Tinaton
##                      1                      1                      1
```

```
##           Townsendfurt             Tracyhaven               Tranland
##                      1                      1                      1
##              Troyville          Turnerchester             Turnerview
##                      1                      1                      1
##            Turnerville            Tylerport           Valerieland
##                      1                      1                      1
##            Vanessastad           Vanessaview         Villanuevastad
##                      1                      1                      1
##          Villanuevaton            Wademouth              Wadestad
##                      1                      1                      1
##          Wagnerchester         Wallacechester            Walshhaven
##                      1                      1                      1
##             Waltertown            Watsonfort            Welchshire
##                      1                      1                      1
##               Wendyton            Wendyville            West Alice
##                      1                      1                      1
##            West Alyssa           West Amanda            West Andrew
##                      1                      2                      1
##            West Angela        West Angelabury           West Annefort
##                      1                      1                      1
##         West Aprilport         West Arielstad           West Barbara
##                      1                      1                      1
##          West Benjamin              West Brad         West Brandonton
##                      1                      1                      1
##            West Brenda        West Carmenfurt              West Casey
##                      1                      1                      1
##       West Chloeborough       West Christopher              West Colin
##                      1                      1                      1
##            West Connor          West Courtney        West Daleborough
##                      1                      1                      1
##          West Dannyberg             West David             West Dennis
##                      1                      1                      1
##         West Derekmouth         West Dylanberg        West Eduardotown
##                      1                      1                      1
##          West Ericaport          West Ericfurt     West Gabriellamouth
##                      1                      1                      1
##          West Gregburgh           West Guybury              West James
##                      1                      1                      1
##              West Jane         West Jeremyside       West Jessicahaven
##                      1                      1                      1
##              West Jodi            West Joseph              West Julia
##                      1                      1                      1
##             West Justin         West Katiefurt          West Kevinfurt
##                      1                      1                      1
##              West Lacey           West Leahton         West Lindseybury
##                      1                      1                      1
##              West Lisa             West Lucas          West Mariafort
##                      1                      1                      1
##        West Melaniefurt       West Melissashire       West Michaelhaven
##                      1                      1                      1
##        West Michaelport       West Michaelshire        West Michaelstad
##                      1                      1                      1
##             West Pamela             West Randy       West Raymondmouth
##                      1                      1                      1
```

```
##        West Rhondamouth            West Ricardo            West Richard
##                       1                       1                       1
##         West Robertside            West Roytown            West Russell
##                       1                       1                       1
##               West Ryan           West Samantha            West Shannon
##                       1                       1                       2
##             West Sharon              West Shaun             West Steven
##                       1                       1                       2
##             West Sydney             West Tanner              West Tanya
##                       1                       1                       1
##          West Terrifurt             West Thomas          West Tinashire
##                       1                       1                       1
##        West Travismouth          West Wendyland            West William
##                       1                       1                       1
##     West Zacharyborough               Westshire               Whiteport
##                       1                       1                       1
##             Whitneyfort             Wilcoxport            Williammouth
##                       1                       1                       1
##             Williamport         Williamsborough            Williamsfort
##                       1                       1                       1
##           Williamsmouth            Williamsport            Williamsside
##                       1                       3                       1
##             Williamstad             Wilsonburgh             Wintersfort
##                       1                       1                       1
##                Wongland             Wrightburgh              Wrightview
##                       1                       2                       1
##                Yangside              Youngburgh              Youngfort
##                       1                       1                       1
##                   Yuton             Zacharystad             Zacharyton
##                       1                       1                       1
##
## $Male
##
##   0   1
## 519 481
##
## $Country
##
##                                        Afghanistan
##                                                  8
##                                            Albania
##                                                  7
##                                            Algeria
##                                                  6
##                                     American Samoa
##                                                  5
##                                            Andorra
##                                                  2
##                                             Angola
##                                                  4
##                                           Anguilla
##                                                  6
##        Antarctica (the territory South of 60 deg S)
##                                                  3
```

```
##                                 Antigua and Barbuda
##                                                   5
##                                           Argentina
##                                                   2
##                                             Armenia
##                                                   3
##                                               Aruba
##                                                   1
##                                           Australia
##                                                   8
##                                             Austria
##                                                   5
##                                          Azerbaijan
##                                                   3
##                                             Bahamas
##                                                   7
##                                             Bahrain
##                                                   5
##                                          Bangladesh
##                                                   4
##                                            Barbados
##                                                   5
##                                             Belarus
##                                                   6
##                                             Belgium
##                                                   5
##                                              Belize
##                                                   5
##                                               Benin
##                                                   2
##                                             Bermuda
##                                                   1
##                                              Bhutan
##                                                   2
##                                             Bolivia
##                                                   6
##                               Bosnia and Herzegovina
##                                                   7
##                           Bouvet Island (Bouvetoya)
##                                                   5
##                                              Brazil
##                                                   5
## British Indian Ocean Territory (Chagos Archipelago)
##                                                   1
##                                British Virgin Islands
##                                                   3
##                                    Brunei Darussalam
##                                                   5
##                                            Bulgaria
##                                                   6
##                                         Burkina Faso
##                                                   4
##                                             Burundi
##                                                   7
```

```
##                                    Cambodia
##                                           7
##                                    Cameroon
##                                           5
##                                      Canada
##                                           5
##                                  Cape Verde
##                                           1
##                             Cayman Islands
##                                           5
##                          Central African Republic
##                                           2
##                                        Chad
##                                           4
##                                       Chile
##                                           4
##                                       China
##                                           6
##                               Christmas Island
##                                           6
##                                    Colombia
##                                           2
##                                     Comoros
##                                           2
##                                       Congo
##                                           4
##                                  Cook Islands
##                                           3
##                                   Costa Rica
##                                           6
##                                Cote d'Ivoire
##                                           4
##                                     Croatia
##                                           6
##                                        Cuba
##                                           5
##                                      Cyprus
##                                           8
##                                Czech Republic
##                                           9
##                                     Denmark
##                                           3
##                                    Djibouti
##                                           2
##                                    Dominica
##                                           5
##                           Dominican Republic
##                                           4
##                                     Ecuador
##                                           5
##                                       Egypt
##                                           5
##                                 El Salvador
##                                           6
```

```
##                              Equatorial Guinea
##                                              4
##                                       Eritrea
##                                              7
##                                       Estonia
##                                              3
##                                      Ethiopia
##                                              7
##                       Falkland Islands (Malvinas)
##                                              4
##                                 Faroe Islands
##                                              3
##                                          Fiji
##                                              7
##                                       Finland
##                                              5
##                                        France
##                                              9
##                                 French Guiana
##                                              4
##                              French Polynesia
##                                              5
##                       French Southern Territories
##                                              5
##                                         Gabon
##                                              6
##                                        Gambia
##                                              2
##                                       Georgia
##                                              4
##                                       Germany
##                                              1
##                                         Ghana
##                                              4
##                                     Gibraltar
##                                              3
##                                        Greece
##                                              8
##                                     Greenland
##                                              5
##                                       Grenada
##                                              4
##                                    Guadeloupe
##                                              2
##                                          Guam
##                                              4
##                                     Guatemala
##                                              4
##                                      Guernsey
##                                              3
##                                        Guinea
##                                              3
##                                 Guinea-Bissau
##                                              2
```

```
##                                      Guyana
##                                           5
##                                       Haiti
##                                           2
##                 Heard Island and McDonald Islands
##                                           3
##                     Holy See (Vatican City State)
##                                           3
##                                    Honduras
##                                           5
##                                   Hong Kong
##                                           6
##                                     Hungary
##                                           6
##                                     Iceland
##                                           3
##                                       India
##                                           2
##                                   Indonesia
##                                           6
##                                        Iran
##                                           5
##                                     Ireland
##                                           3
##                                  Isle of Man
##                                           3
##                                      Israel
##                                           4
##                                       Italy
##                                           5
##                                     Jamaica
##                                           5
##                                       Japan
##                                           4
##                                      Jersey
##                                           6
##                                      Jordan
##                                           1
##                                  Kazakhstan
##                                           4
##                                       Kenya
##                                           4
##                                    Kiribati
##                                           1
##                                       Korea
##                                           5
##                                      Kuwait
##                                           2
##                               Kyrgyz Republic
##                                           6
##                  Lao People's Democratic Republic
##                                           4
##                                      Latvia
##                                           4
```

```
##                                 Lebanon
##                                       6
##                                 Lesotho
##                                       1
##                                 Liberia
##                                       8
##                   Libyan Arab Jamahiriya
##                                       4
##                           Liechtenstein
##                                       6
##                              Lithuania
##                                       3
##                              Luxembourg
##                                       7
##                                   Macao
##                                       3
##                               Macedonia
##                                       2
##                              Madagascar
##                                       6
##                                  Malawi
##                                       4
##                                Malaysia
##                                       3
##                                Maldives
##                                       4
##                                    Mali
##                                       4
##                                   Malta
##                                       6
##                          Marshall Islands
##                                       1
##                              Martinique
##                                       4
##                              Mauritania
##                                       2
##                               Mauritius
##                                       4
##                                 Mayotte
##                                       6
##                                  Mexico
##                                       6
##                              Micronesia
##                                       8
##                                 Moldova
##                                       6
##                                  Monaco
##                                       3
##                                Mongolia
##                                       6
##                              Montenegro
##                                       2
##                              Montserrat
##                                       1
```

```
##                                 Morocco
##                                       3
##                              Mozambique
##                                       1
##                                 Myanmar
##                                       5
##                                 Namibia
##                                       2
##                                   Nauru
##                                       3
##                                   Nepal
##                                       3
##                             Netherlands
##                                       4
##                      Netherlands Antilles
##                                       6
##                             New Caledonia
##                                       2
##                              New Zealand
##                                       4
##                               Nicaragua
##                                       3
##                                   Niger
##                                       3
##                                    Niue
##                                       3
##                            Norfolk Island
##                                       5
##                   Northern Mariana Islands
##                                       3
##                                  Norway
##                                       2
##                                Pakistan
##                                       5
##                                   Palau
##                                       4
##                      Palestinian Territory
##                                       3
##                                  Panama
##                                       2
##                           Papua New Guinea
##                                       5
##                                Paraguay
##                                       3
##                                    Peru
##                                       8
##                               Philippines
##                                       6
##                           Pitcairn Islands
##                                       2
##                                  Poland
##                                       6
##                                Portugal
##                                       3
```

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##                                       Puerto Rico
##                                                6
##                                             Qatar
##                                                6
##                                           Reunion
##                                                2
##                                           Romania
##                                                1
##                                  Russian Federation
##                                                3
##                                            Rwanda
##                                                5
##                                    Saint Barthelemy
##                                                2
##                                       Saint Helena
##                                                5
##                                  Saint Kitts and Nevis
##                                                1
##                                       Saint Lucia
##                                                2
##                                      Saint Martin
##                                                4
##                             Saint Pierre and Miquelon
##                                                5
##                       Saint Vincent and the Grenadines
##                                                6
##                                             Samoa
##                                                6
##                                        San Marino
##                                                3
##                               Sao Tome and Principe
##                                                2
##                                      Saudi Arabia
##                                                4
##                                           Senegal
##                                                8
##                                            Serbia
##                                                5
##                                        Seychelles
##                                                3
##                                      Sierra Leone
##                                                2
##                                         Singapore
##                                                6
##                           Slovakia (Slovak Republic)
##                                                2
##                                          Slovenia
##                                                1
##                                           Somalia
##                                                5
##                                      South Africa
##                                                8
##        South Georgia and the South Sandwich Islands
##                                                2
```

```
##                                     Spain
##                                         3
##                                 Sri Lanka
##                                         4
##                                     Sudan
##                                         2
##                                  Suriname
##                                         2
##                  Svalbard & Jan Mayen Islands
##                                         6
##                                 Swaziland
##                                         2
##                                    Sweden
##                                         4
##                               Switzerland
##                                         4
##                           Syrian Arab Republic
##                                         3
##                                    Taiwan
##                                         7
##                                 Tajikistan
##                                         3
##                                   Tanzania
##                                         3
##                                   Thailand
##                                         4
##                                Timor-Leste
##                                         5
##                                      Togo
##                                         3
##                                   Tokelau
##                                         4
##                                    Tonga
##                                         5
##                          Trinidad and Tobago
##                                         3
##                                  Tunisia
##                                         4
##                                   Turkey
##                                         8
##                                Turkmenistan
##                                         6
##                      Turks and Caicos Islands
##                                         5
##                                   Tuvalu
##                                         4
##                                   Uganda
##                                         4
##                                  Ukraine
##                                         5
##                           United Arab Emirates
##                                         6
##                                United Kingdom
##                                         3
```

```
##                 United States Minor Outlying Islands
##                                                    4
##                             United States of America
##                                                    5
##                         United States Virgin Islands
##                                                    4
##                                              Uruguay
##                                                    5
##                                           Uzbekistan
##                                                    2
##                                              Vanuatu
##                                                    6
##                                            Venezuela
##                                                    7
##                                              Vietnam
##                                                    3
##                                     Wallis and Futuna
##                                                    4
##                                        Western Sahara
##                                                    7
##                                                Yemen
##                                                    3
##                                               Zambia
##                                                    4
##                                             Zimbabwe
##                                                    6
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##
## $Clicked.on.Ad
##
##   0   1
## 500 500
```

Graphical Plots

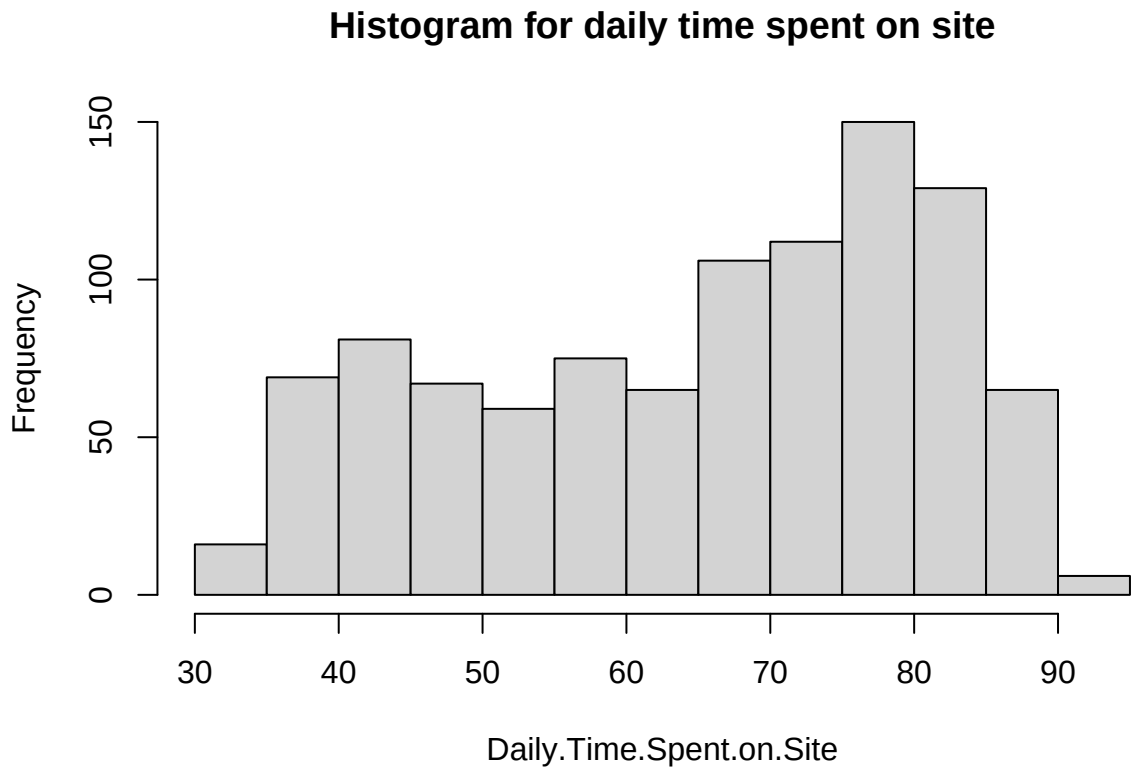
```
# load the package
library(ggplot2)
```

1)Histograms

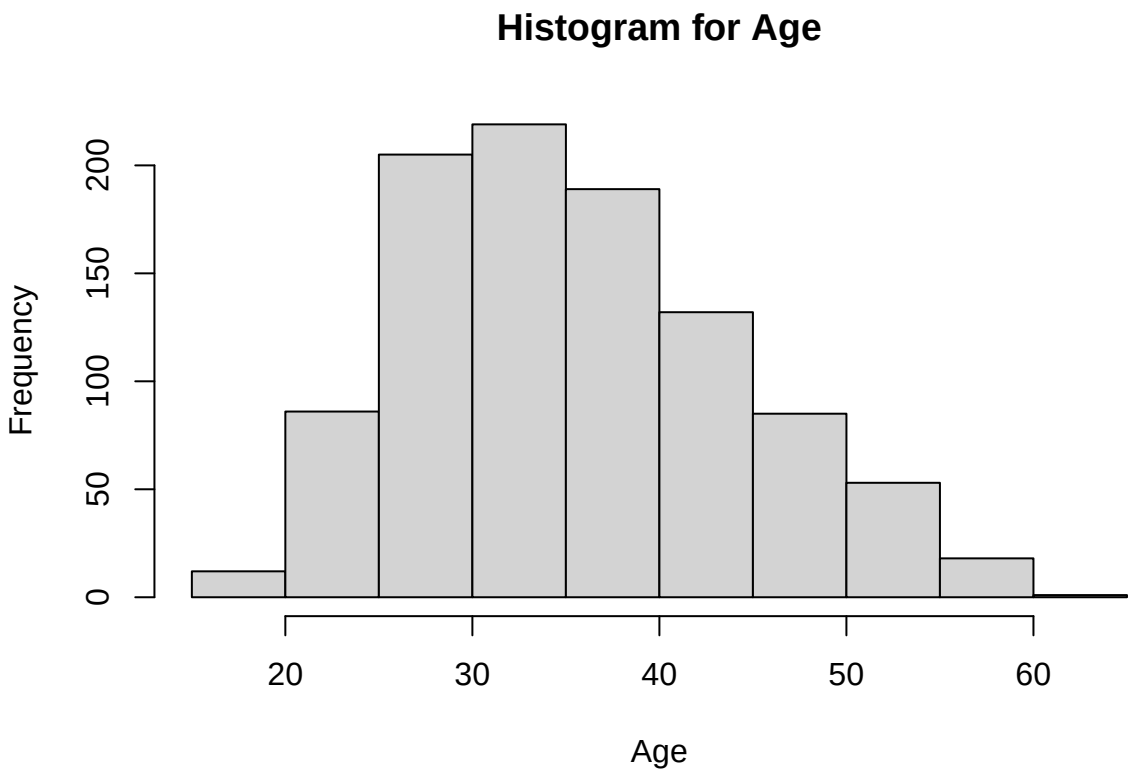
```
##
## Attaching package: 'ggplot2'

## The following objects are masked from 'package:psych':
##
##     %+%, alpha
```

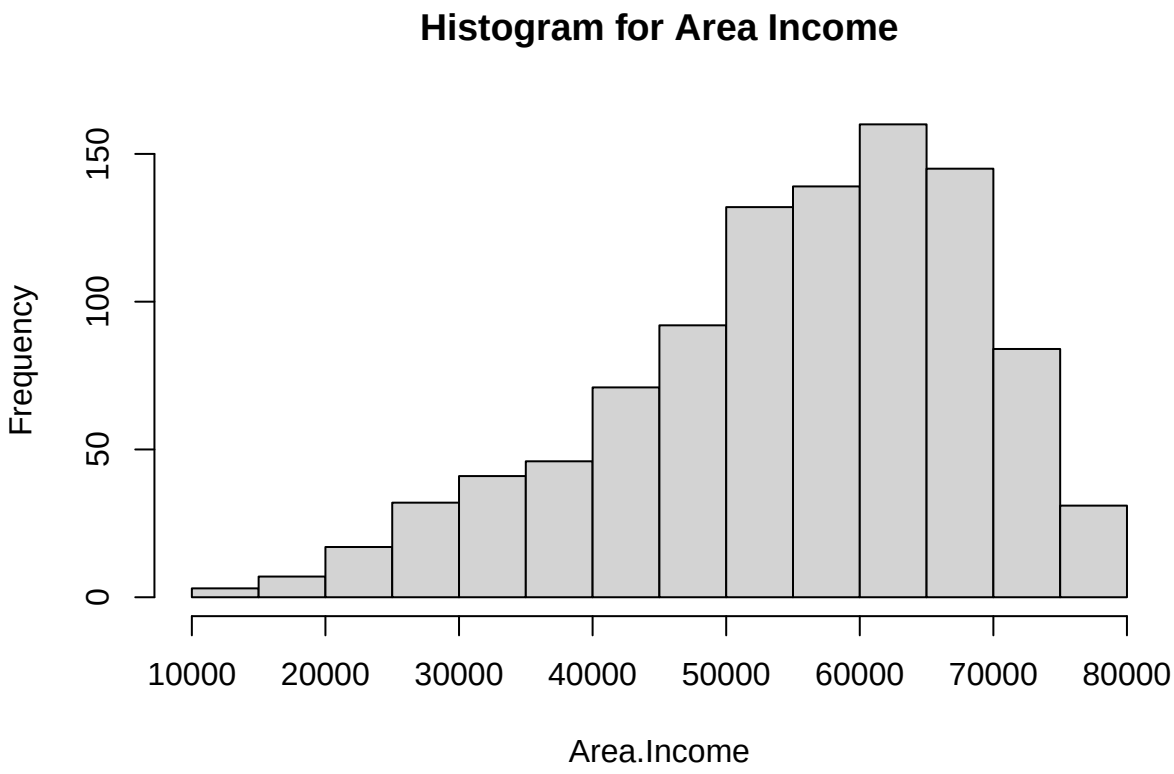
```
#histogram for the numeric column
hist(Advert$Daily.Time.Spent.on.Site, xlab = 'Daily.Time.Spent.on.Site', main = 'Histogram for daily ti
```



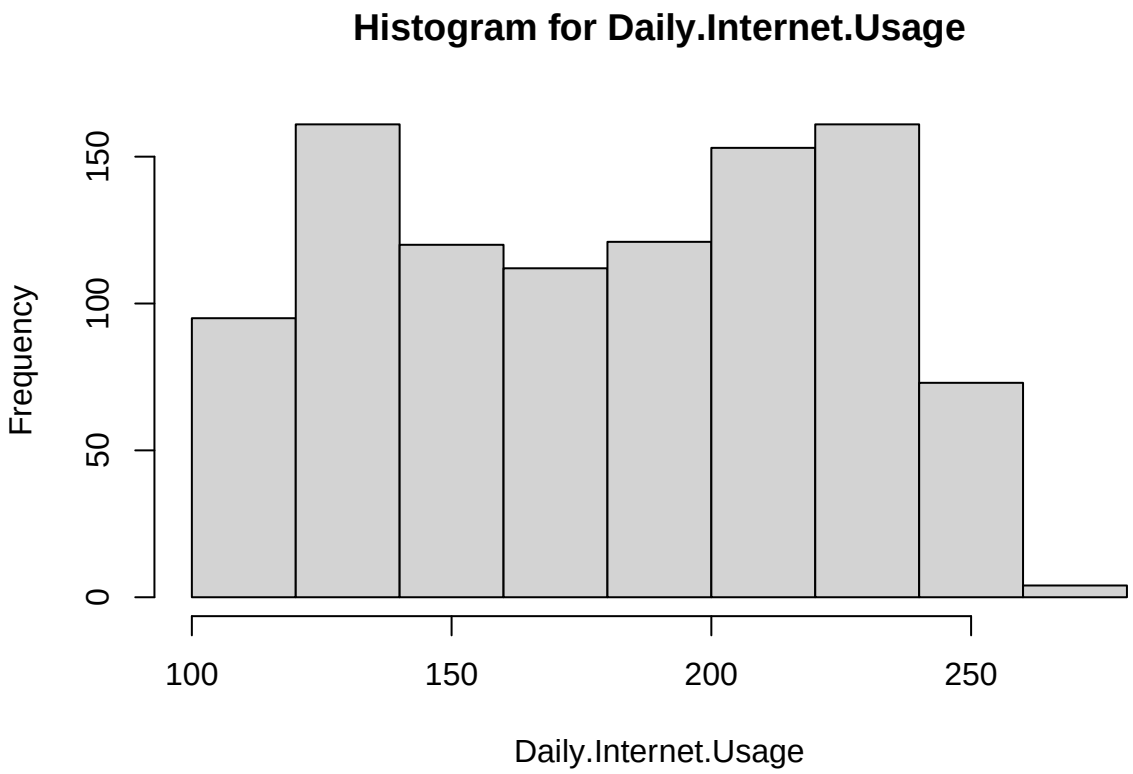

```
hist(Advert$Age, xlab = 'Age', main = 'Histogram for Age')
```




```
hist(Advert$Area.Income, xlab = 'Area.Income', main = 'Histogram for Area Income')
```




```
hist(Advert$Daily.Internet.Usage, xlab = 'Daily.Internet.Usage', main = 'Histogram for Daily.Internet.Us
```

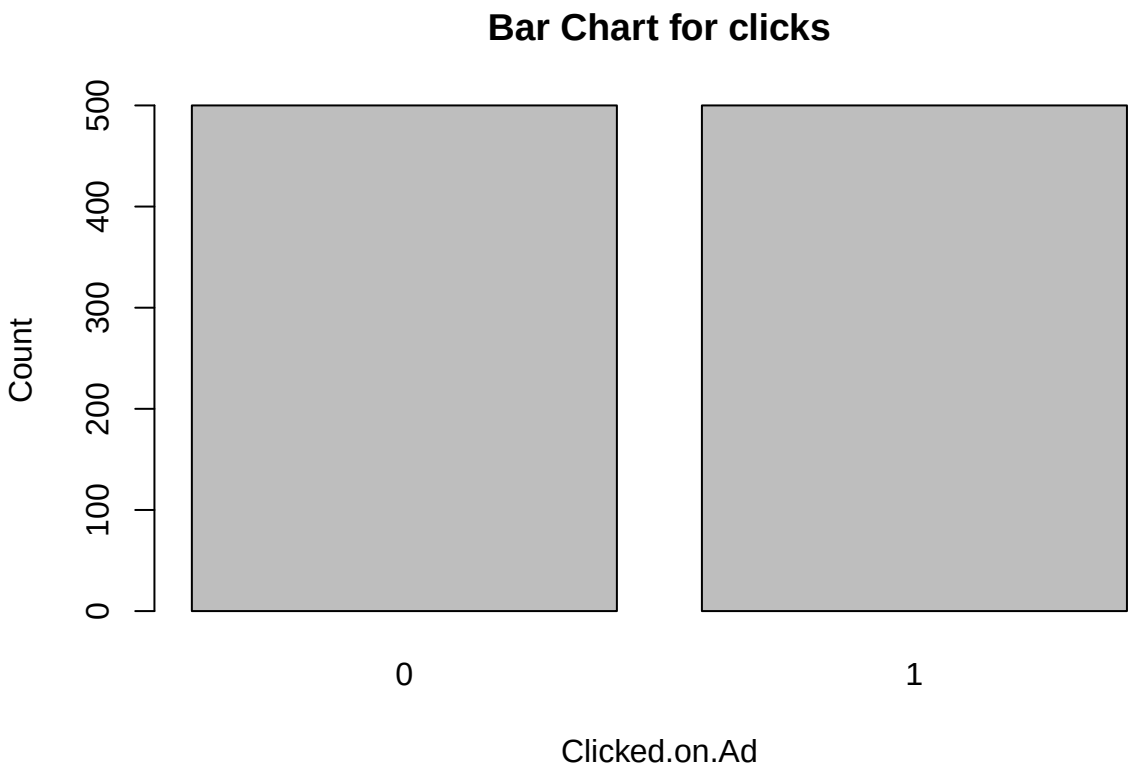


2)Barplot

```
#rename the Male column to gender
gender <- table(Advert$Male)
```

```
# Gender barplot
barplot(gender, xlab = 'Gender', ylab = 'Count', main = 'Bar Chart for Gender')
```


```
# Click on Ad barplot
Clicked.on.Ad <- table(Advert$Clicked.on.Ad)
barplot(Clicked.on.Ad, xlab = 'Clicked.on.Ad', ylab = 'Count', main = 'Bar Chart for clicks')
```



Bivariate Analysis

Covariance

```
#covariance between age and internet usage
age <- Advert$Age
units <- Advert$Daily.Internet.Usage
cov(age, units)
```

```
## [1] -141.6348
```

There is a negative covariance(-141.6348) between age and the daily usage of internet which means that the older a person is, the less units they use on internet daily.

```
# covariance between age and the daily time spent on the site
age <- Advert$Age
time <- Advert$Daily.Time.Spent.on.Site
cov(age, time)
```

```
## [1] -46.17415
```

There is a negative covariance(-46.17415) between age and the daily time Spent on Site which means that the older a person is, the less units they visit the site.

```
# covariance between income and the daily inernet usage on the site
income <- Advert$Area.Income
cov(income, units)
```

```
## [1] 198762.5
```

There is a positive covariance(198762.5) between income and the daily internet usage on Site which means that the more the income the more the internet usage on the site.

Correlation

```
# correlation between age and daily internet usage
cor(age, units)
```

```
## [1] -0.3672086
```

There is a negative linear relationship between age and the daily internet usage.

```
#  correlation between age and time spent on site
cor(age, time)
```

```
## [1] -0.3315133
```

There is a negative linear relationship between age and the daily time spent on the site.

```
#  correlation between income and internet usage on site
cor(income, units)
```

```
## [1] 0.3374955
```

There is a positive linear relationship between income and the daily internet usage on the site.

Correlation Matrix

```
#correlation library
library(corrplot) # This library allows us to plot correlation.
```

```
## corrplot 0.92 loaded
```

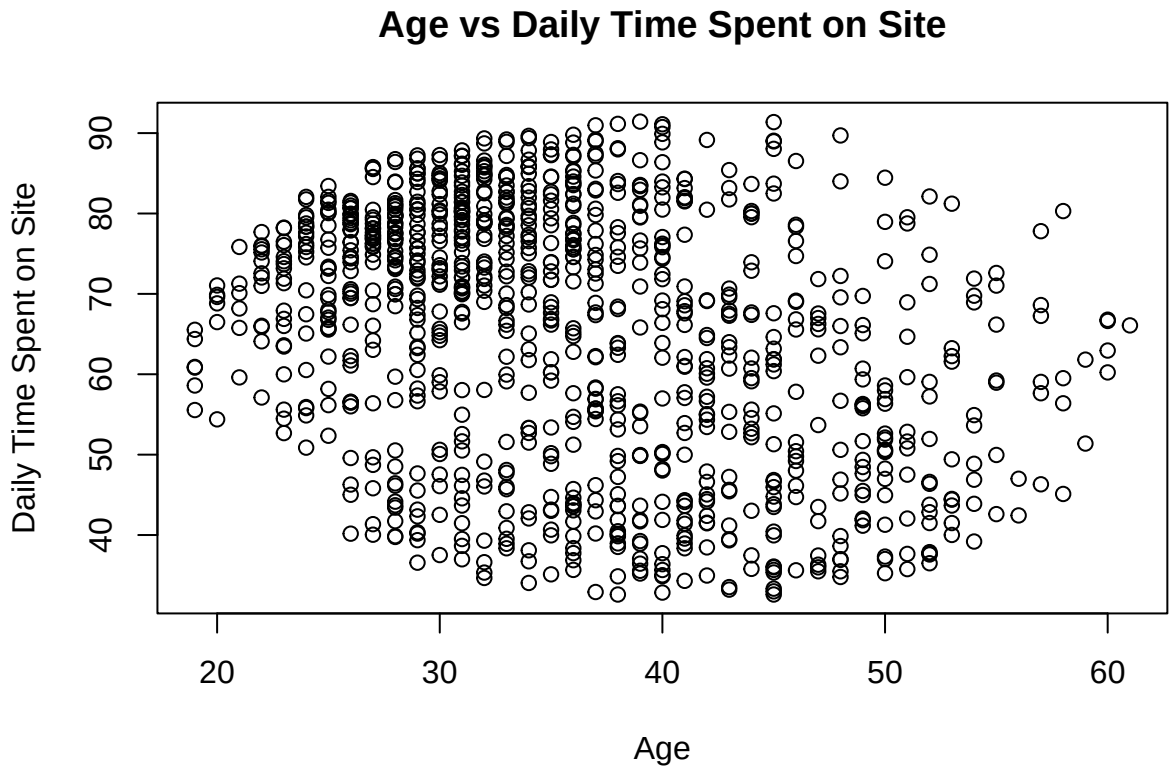
Plot a correlation matrix for the numerical variables in our dataset.

```
# correlation matrix
cor(numeric)
```

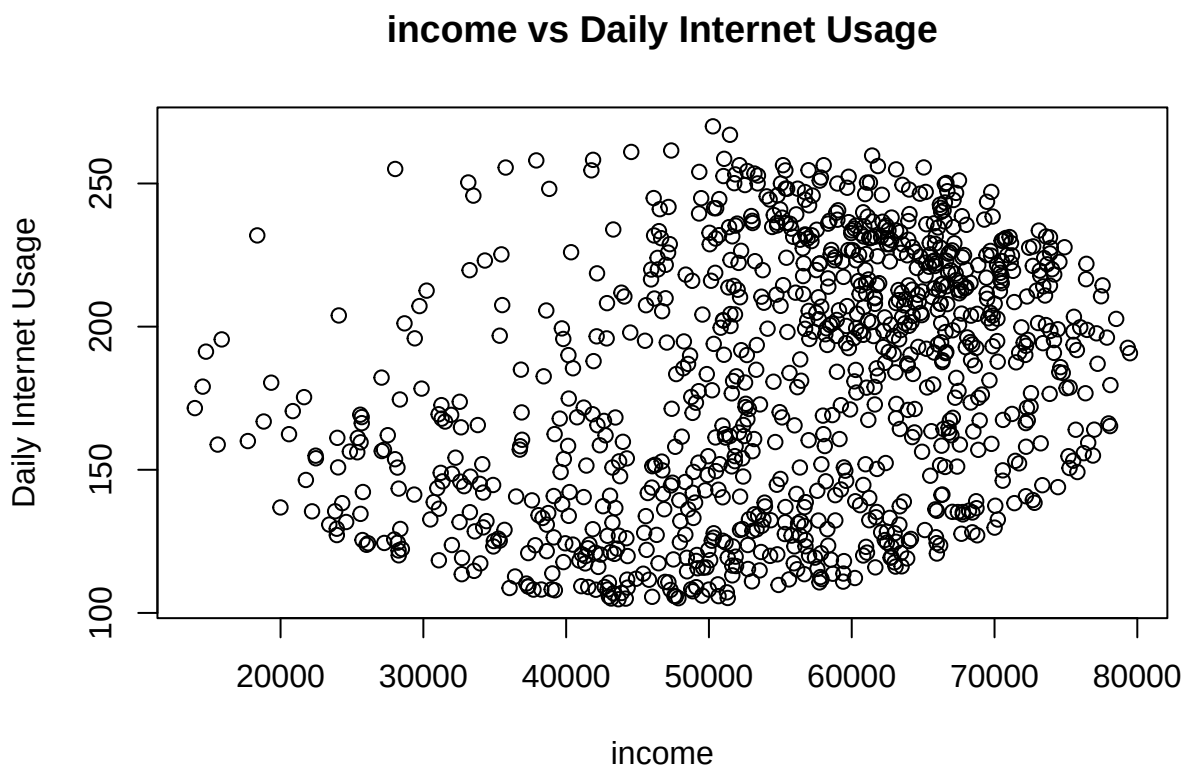
```
##                           Daily.Time.Spent.on.Site        Age Area.Income
## Daily.Time.Spent.on.Site                1.0000000 -0.3315133   0.3109544
## Age                                    -0.3315133  1.0000000  -0.1826050
## Area.Income                             0.3109544 -0.1826050   1.0000000
## Daily.Internet.Usage                    0.5186585 -0.3672086   0.3374955
##                           Daily.Internet.Usage
## Daily.Time.Spent.on.Site            0.5186585
## Age                                -0.3672086
## Area.Income                         0.3374955
## Daily.Internet.Usage                1.0000000
```

Scatter Plots

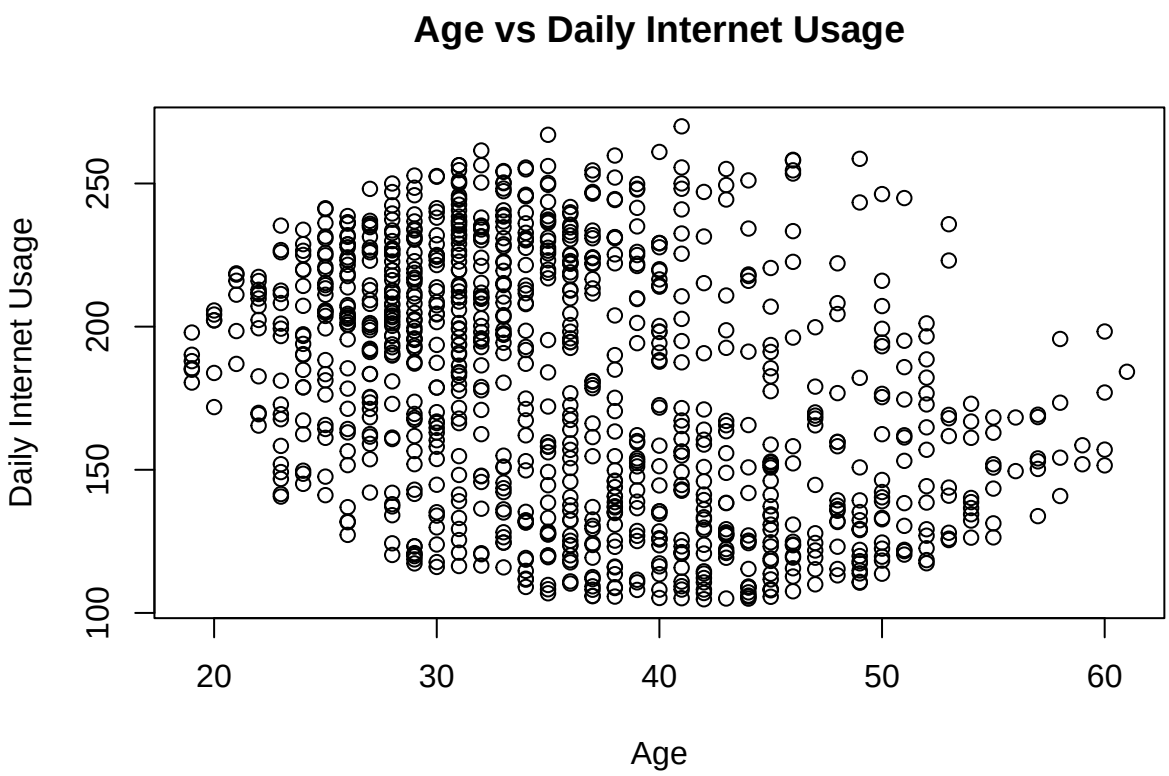
```
#scatter plot
plot(age, time, xlab = 'Age', ylab = 'Daily Time Spent on Site', main = 'Age vs Daily Time Spent on Site
```




```
#scatter plot
plot(income, units, xlab = 'income', ylab = 'Daily Internet Usage', main = 'income vs Daily Internet Usa
```




```
#scatter plot
plot(age, units, xlab = 'Age', ylab = 'Daily Internet Usage', main = 'Age vs Daily Internet Usage')
```



Conclusion

From the univariate data analysis, we can conclude that:

- There were more females than males in our dataset.
- Individuals who are between 28 and 36 years old were the most in our dataset.
- The dataset was balanced in the sense that 500 individuals clicked on the ads while 500 individuals did not click on the ads.

From the bivariate data analysis, we can conclude that:

- There is a negative covariance and correlation between age and daily time spent on the site which means that the older an individual is, the less time they spend on the site.
- There is also a negative covariance and correlation between age and the daily internet usage which means that the younger an individual is, the higher the internet usage is as compared to an older individual.
- There is also a positive covariance and correlation between income and the daily internet usage which means that the more the income, the higher the internet usage.

Recommendations

- She should create ads that targets individuals aged between 25 and 35 years old seeing as they are the most in our dataset.
- She should focuse on the youth more as they use the internet more and spend more time on the site as compared to the older individuals.
- She should focuse on those with more income as they use the internet more and spend more time on the site.