

## AD CLICK ANALYSIS

### Defining the Question

#### 1. Specifying the Question

Which individuals are most likely to click on an online cryptography course advertisement?

#### 2. Metric for success

Come up with an analysis that will make our customer identify individuals who are likely to click on her cryptography course.

#### 3. Understanding the Context

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.

#### 4. Experimental Design taken

1. Data Exploration
2. Data Cleaning
3. Univariate Analysis
4. Bivariate Analysis
5. Conclusion

#### 5. Appropriateness data

Our data was readily available as it was provided by the client... Thus data collection was not needed.

### 1. Data Exploration

Loading the data

Loading the necessary packages

```
library("data.table")
advert <- read.csv("advertising.csv")

##Previewing the first 6 rows of 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 last 6 rows of 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
```

```
##Basic structure of the data
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 : int 0 1 0 1 0 1 0 1 1 1 ...
## $ 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 : int 0 0 0 0 0 0 0 1 0 0 ...
```

## 2. Data Cleaning

### Tidying the dataset the dataset

```
# Identifying duplicates
advert[duplicated(advert), ]
```

```
## [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)
```

```
##There are no duplicates in this dataset.
```

```
## Identifying missing data
length(which(!is.na(advert)))
```

```
## [1] 10000
```

```
#
##checking the missing data
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
```

```
##There is no missing data
```

## Checking for outliers

```
boxplot.stats(advert$`Daily Time Spent on Site`)$out
```

```
## NULL
```

```
boxplot.stats(advert$Age)$out
```

```
## integer(0)
```

```
boxplot.stats(advert$`Area Income`) $out
```

```
## NULL
```

```
boxplot.stats(advert$`Daily Internet Usage`) $out
```

```
## NULL
```

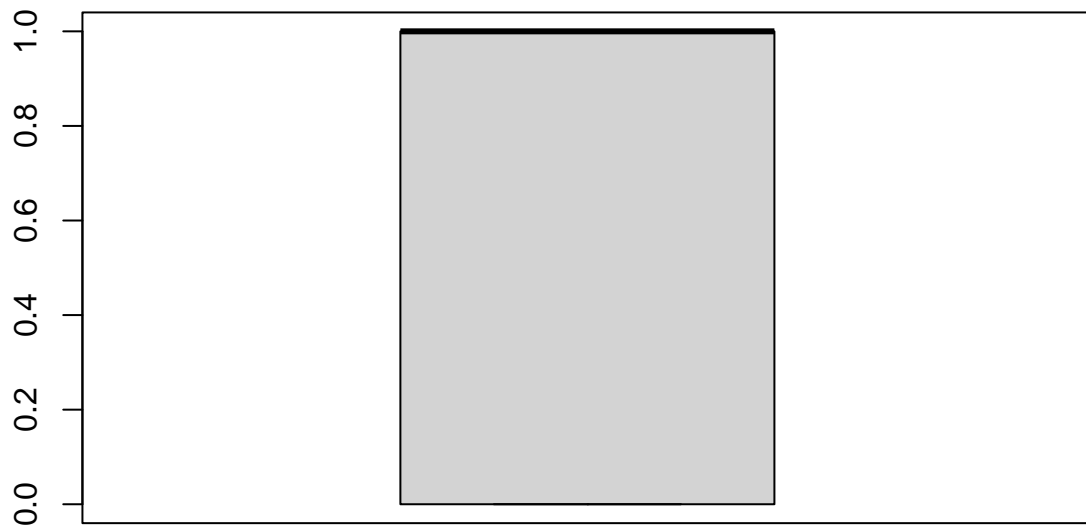
```
boxplot.stats(advert$`Clicked on Ad`) $out
```

```
## NULL
```

```
numeric_cols <- unlist(lapply(advert, is.numeric))
numeric_cols
```

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

```
boxplot(numeric_cols)
```



we do not have outliers.

## checking for anomalies

Anomalies are inconsistencies in the data

```
###Checking the number of unique values in each column
lengths(lapply(advert, unique))
```

```
## Daily.Time.Spent.on.Site      Age      Area.Income
##                900                43                1000
##      Daily.Internet.Usage      Ad.Topic.Line      City
##                966                1000                969
##                Male      Country      Timestamp
##                2                237                1000
##      Clicked.on.Ad
##                2
```

```
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              : int  0 1 0 1 0 1 0 1 1 1 ...
## $ 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     : int  0 0 0 0 0 0 0 1 0 0 ...
```

### 3. Univariate Analysis

checking the means of all our numerical values

```
# Summary of the dataset
summary(advert)
```

```
## Daily.Time.Spent.on.Site      Age      Area.Income      Daily.Internet.Usage
## Min.      :32.60             Min.      :19.00      Min.      :13996      Min.      :104.8
## 1st Qu.:51.36             1st Qu.:29.00      1st Qu.:47032      1st Qu.:138.8
## Median :68.22             Median :35.00      Median :57012      Median :183.1
## Mean      :65.00             Mean      :36.01      Mean      :55000      Mean      :180.0
## 3rd Qu.:78.55             3rd Qu.:42.00      3rd Qu.:65471      3rd Qu.:218.8
## Max.      :91.43             Max.      :61.00      Max.      :79485      Max.      :270.0
## Ad.Topic.Line      City      Male      Country
## Length:1000      Length:1000      Min.      :0.000      Length:1000
## Class :character      Class :character      1st Qu.:0.000      Class :character
## Mode  :character      Mode  :character      Median :0.000      Mode  :character
##                               Mean      :0.481
##                               3rd Qu.:1.000
##                               Max.      :1.000
## Timestamp      Clicked.on.Ad
## Length:1000      Min.      :0.0
## Class :character      1st Qu.:0.0
## Mode  :character      Median   :0.5
##                               Mean      :0.5
##                               3rd Qu.:1.0
##                               Max.      :1.0
```

```
# Getting the time period of the data
range(advert$Timestamp)
```

```
## [1] "2016-01-01 02:52:10" "2016-07-24 00:22:16"
```

Getting variance and std.deviation of Daily time spent on site

```
advert.daily.variance <- var(advert$Daily.Time.Spent.on.Site)
advert.daily.variance
```

```
## [1] 251.3371
```

```
#checking the datatypes on the columns
sapply(advert, class)
```

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

```
# Getting variance and std.deviation of Area Income
```

```
var(advert$Area.Income)
```

```
## [1] 179952406
```

```
##the timestamp has a wrong data type so we will need to convert it to datetime
advert$Timestamp <- as.POSIXct(advert$Timestamp, "%Y-%m-%d %H:%M:%S",tz = "GMT")
```

```
### Checking if change has been effected
sapply(advert, class)
```

```
## $Daily.Time.Spent.on.Site
## [1] "numeric"
##
## $Age
## [1] "integer"
##
## $Area.Income
## [1] "numeric"
##
## $Daily.Internet.Usage
## [1] "numeric"
##
## $Ad.Topic.Line
## [1] "character"
##
## $City
## [1] "character"
##
## $Male
## [1] "integer"
##
## $Country
## [1] "character"
##
## $Timestamp
## [1] "POSIXct" "POSIXt"
##
## $Clicked.on.Ad
## [1] "integer"
```

```
summary(advert)
```

```
##   Daily.Time.Spent.on.Site      Age      Area.Income      Daily.Internet.Usage
##   Min.      :32.60           Min.      :19.00      Min.      :13996      Min.      :104.8
##   1st Qu.:51.36           1st Qu.:29.00      1st Qu.:47032      1st Qu.:138.8
##   Median :68.22           Median :35.00      Median :57012      Median :183.1
##   Mean   :65.00           Mean   :36.01      Mean   :55000      Mean   :180.0
##   3rd Qu.:78.55           3rd Qu.:42.00      3rd Qu.:65471      3rd Qu.:218.8
##   Max.    :91.43           Max.    :61.00      Max.    :79485      Max.    :270.0
##   Ad.Topic.Line      City      Male      Country
##   Length:1000      Length:1000      Min.      :0.000      Length:1000
##   Class :character      Class :character      1st Qu.:0.000      Class :character
##   Mode  :character      Mode  :character      Median :0.000      Mode  :character
##                                     Mean   :0.481
##                                     3rd Qu.:1.000
##                                     Max.    :1.000
##   Timestamp      Clicked.on.Ad
##   Min.      :2016-01-01 02:52:10      Min.      :0.0
##   1st Qu.:2016-02-18 02:55:42      1st Qu.:0.0
##   Median :2016-04-07 17:27:29      Median :0.5
##   Mean   :2016-04-10 10:34:06      Mean   :0.5
##   3rd Qu.:2016-05-31 03:18:14      3rd Qu.:1.0
##   Max.    :2016-07-24 00:22:16      Max.    :1.0
```

Getting variance and std.deviation of Daily time spent on site

```
var(advert$Daily.Time.Spent.on.Site)
```

```
## [1] 251.3371
```

```
sd(advert$Daily.Time.Spent.on.Site)
```

```
## [1] 15.85361
```

```
# Getting variance and std.deviation of Area Income
```

```
var(advert$Area.Income)
```

```
## [1] 179952406
```

```
sd(advert$Area.Income)
```

```
## [1] 13414.63
```

```
# Getting variance and std.deviation of Daily Internet Usage
```

```
sd(advert$Daily.Internet.Usage)
```

```
## [1] 43.90234
```



```
var(advert$Daily.Internet.Usage)
```

```
## [1] 1927.415
```

```
# Function to get mode  
mode <- function(v){  
  uniq <- unique(as.integer(v))  
  uniq[which.max(tabulate(match(as.integer(v), uniq)))]  
}
```

```
# Mode of daily time spent on site  
daily.site <- mode(advert$Daily.Time.Spent.on.Site)  
daily.site
```

```
## [1] 78
```

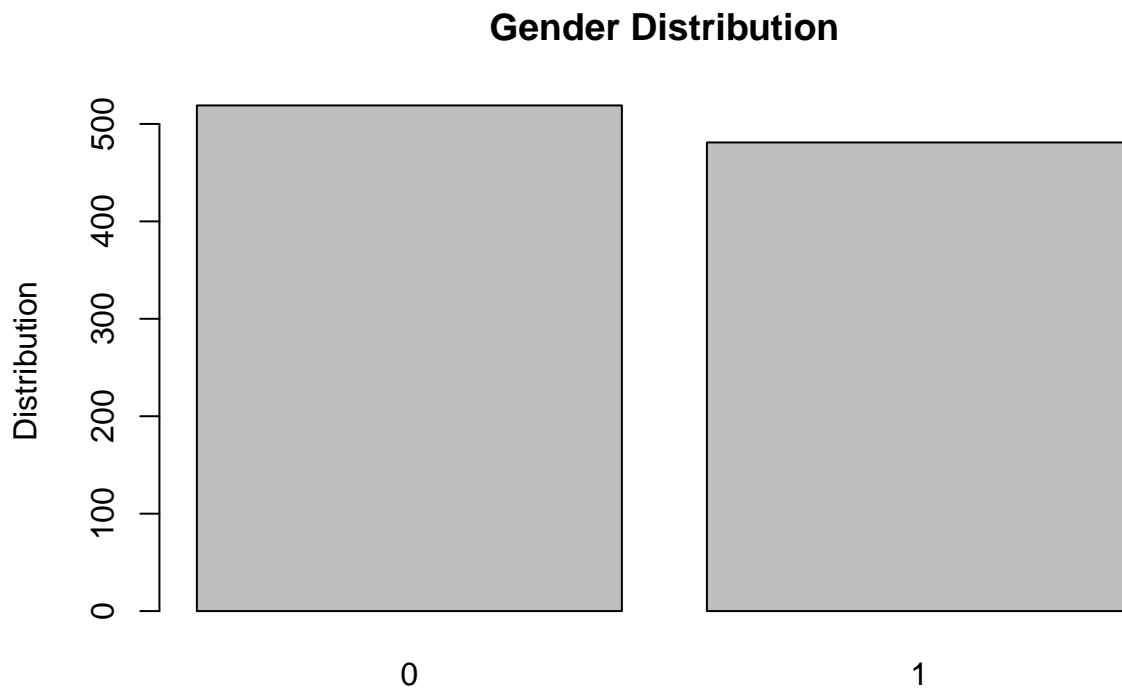
Alot of people spend 78 minutes browsing on the site.

```
# Getting the mode of the age  
age.mode <- mode(advert$Age)  
age.mode
```

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

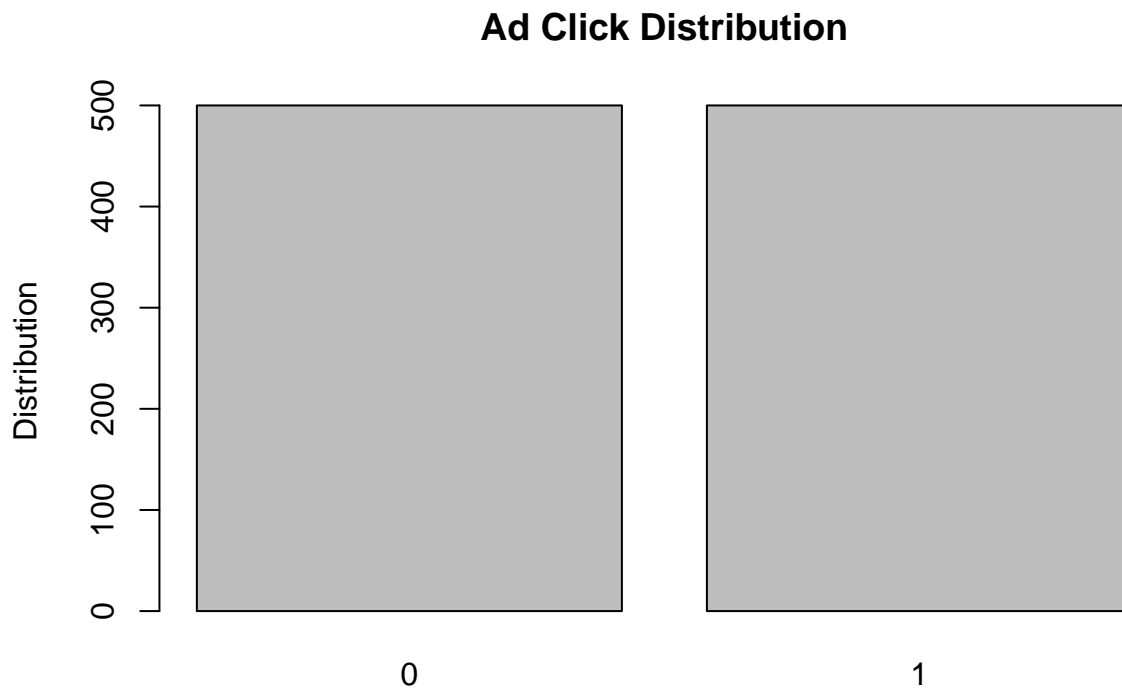
Most people on the site are age 31

```
# Distribution of the genders  
gender <- advert$Male  
gen <- table(gender)  
barplot(gen, main = "Gender Distribution", ylab = "Distribution")
```



Females browsing on the site are more than males by a small percentage.

```
# Distribution of whether one clicked or did not click on an ad  
click <- advert$Clicked.on.Ad  
clicked <- table(click)  
barplot(clicked, main = "Ad Click Distribution", ylab = "Distribution")
```



There is a 50% chance that someone will click on the add while browsing the internet.

```
area_income_mode<- mode((advert$Area.Income))  
area_income_mode
```

```
## [1] 51636
```

```
internetusage_mode<- mode(advert$Daily.Internet.Usage)  
internetusage_mode
```

```
## [1] 231
```

range

```
range(advert$Age)
```

```
## [1] 19 61
```

people browsing the internet are between ages 19 an 61.

```
# ad clicked per country
country_ad <- table(advert$Country, advert$Clicked.on.Ad)
names(dimnames(country_ad)) <- c("Country", "Clicked on Ad")
country_ad
```

##	Clicked on Ad
## Country	0 1
## Afghanistan	3 5
## Albania	3 4
## Algeria	3 3
## American Samoa	2 3
## Andorra	0 2
## Angola	3 1
## Anguilla	3 3
## Antarctica (the territory South of 60 deg S)	1 2
## Antigua and Barbuda	1 4
## Argentina	1 1
## Armenia	2 1
## Aruba	1 0
## Australia	1 7
## Austria	4 1
## Azerbaijan	2 1
## Bahamas	3 4
## Bahrain	3 2
## Bangladesh	2 2
## Barbados	3 2
## Belarus	3 3
## Belgium	3 2
## Belize	2 3
## Benin	1 1
## Bermuda	1 0
## Bhutan	1 1
## Bolivia	6 0
## Bosnia and Herzegovina	4 3
## Bouvet Island (Bouvetoya)	3 2
## Brazil	2 3
## British Indian Ocean Territory (Chagos Archipelago)	0 1
## British Virgin Islands	2 1
## Brunei Darussalam	3 2
## Bulgaria	2 4
## Burkina Faso	3 1
## Burundi	5 2
## Cambodia	5 2
## Cameroon	5 0
## Canada	2 3
## Cape Verde	1 0
## Cayman Islands	2 3
## Central African Republic	1 1
## Chad	2 2
## Chile	1 3
## China	2 4
## Christmas Island	2 4
## Colombia	1 1

##	Comoros	1	1
##	Congo	1	3
##	Cook Islands	2	1
##	Costa Rica	4	2
##	Cote d'Ivoire	1	3
##	Croatia	6	0
##	Cuba	1	4
##	Cyprus	4	4
##	Czech Republic	5	4
##	Denmark	1	2
##	Djibouti	1	1
##	Dominica	3	2
##	Dominican Republic	2	2
##	Ecuador	3	2
##	Egypt	2	3
##	El Salvador	2	4
##	Equatorial Guinea	1	3
##	Eritrea	4	3
##	Estonia	2	1
##	Ethiopia	0	7
##	Falkland Islands (Malvinas)	2	2
##	Faroe Islands	1	2
##	Fiji	4	3
##	Finland	4	1
##	France	4	5
##	French Guiana	1	3
##	French Polynesia	4	1
##	French Southern Territories	4	1
##	Gabon	6	0
##	Gambia	1	1
##	Georgia	2	2
##	Germany	0	1
##	Ghana	2	2
##	Gibraltar	3	0
##	Greece	5	3
##	Greenland	4	1
##	Grenada	2	2
##	Guadeloupe	1	1
##	Guam	2	2
##	Guatemala	1	3
##	Guernsey	1	2
##	Guinea	1	2
##	Guinea-Bissau	1	1
##	Guyana	2	3
##	Haiti	1	1
##	Heard Island and McDonald Islands	1	2
##	Holy See (Vatican City State)	2	1
##	Honduras	3	2
##	Hong Kong	2	4
##	Hungary	1	5
##	Iceland	2	1
##	India	2	0
##	Indonesia	2	4
##	Iran	2	3

##	Ireland	2	1
##	Isle of Man	2	1
##	Israel	2	2
##	Italy	4	1
##	Jamaica	3	2
##	Japan	2	2
##	Jersey	2	4
##	Jordan	1	0
##	Kazakhstan	2	2
##	Kenya	0	4
##	Kiribati	0	1
##	Korea	2	3
##	Kuwait	1	1
##	Kyrgyz Republic	5	1
##	Lao People's Democratic Republic	2	2
##	Latvia	0	4
##	Lebanon	2	4
##	Lesotho	1	0
##	Liberia	2	6
##	Libyan Arab Jamahiriya	2	2
##	Liechtenstein	0	6
##	Lithuania	0	3
##	Luxembourg	4	3
##	Macao	0	3
##	Macedonia	1	1
##	Madagascar	4	2
##	Malawi	2	2
##	Malaysia	3	0
##	Maldives	2	2
##	Mali	3	1
##	Malta	3	3
##	Marshall Islands	0	1
##	Martinique	1	3
##	Mauritania	1	1
##	Mauritius	3	1
##	Mayotte	1	5
##	Mexico	2	4
##	Micronesia	4	4
##	Moldova	4	2
##	Monaco	2	1
##	Mongolia	2	4
##	Montenegro	0	2
##	Montserrat	0	1
##	Morocco	2	1
##	Mozambique	1	0
##	Myanmar	4	1
##	Namibia	1	1
##	Nauru	2	1
##	Nepal	3	0
##	Netherlands	1	3
##	Netherlands Antilles	4	2
##	New Caledonia	0	2
##	New Zealand	2	2
##	Nicaragua	3	0

##	Niger	1 2
##	Niue	3 0
##	Norfolk Island	3 2
##	Northern Mariana Islands	1 2
##	Norway	1 1
##	Pakistan	4 1
##	Palau	2 2
##	Palestinian Territory	1 2
##	Panama	2 0
##	Papua New Guinea	2 3
##	Paraguay	2 1
##	Peru	3 5
##	Philippines	3 3
##	Pitcairn Islands	1 1
##	Poland	3 3
##	Portugal	2 1
##	Puerto Rico	3 3
##	Qatar	4 2
##	Reunion	2 0
##	Romania	0 1
##	Russian Federation	2 1
##	Rwanda	3 2
##	Saint Barthelemy	0 2
##	Saint Helena	3 2
##	Saint Kitts and Nevis	0 1
##	Saint Lucia	1 1
##	Saint Martin	2 2
##	Saint Pierre and Miquelon	2 3
##	Saint Vincent and the Grenadines	3 3
##	Samoa	2 4
##	San Marino	2 1
##	Sao Tome and Principe	0 2
##	Saudi Arabia	1 3
##	Senegal	3 5
##	Serbia	2 3
##	Seychelles	2 1
##	Sierra Leone	0 2
##	Singapore	5 1
##	Slovakia (Slovak Republic)	2 0
##	Slovenia	0 1
##	Somalia	3 2
##	South Africa	2 6
##	South Georgia and the South Sandwich Islands	1 1
##	Spain	0 3
##	Sri Lanka	4 0
##	Sudan	2 0
##	Suriname	1 1
##	Svalbard & Jan Mayen Islands	2 4
##	Swaziland	2 0
##	Sweden	3 1
##	Switzerland	1 3
##	Syrian Arab Republic	2 1
##	Taiwan	3 4
##	Tajikistan	1 2

##	Tanzania	2	1
##	Thailand	2	2
##	Timor-Leste	4	1
##	Togo	2	1
##	Tokelau	1	3
##	Tonga	3	2
##	Trinidad and Tobago	1	2
##	Tunisia	3	1
##	Turkey	1	7
##	Turkmenistan	4	2
##	Turks and Caicos Islands	2	3
##	Tuvalu	1	3
##	Uganda	0	4
##	Ukraine	4	1
##	United Arab Emirates	3	3
##	United Kingdom	1	2
##	United States Minor Outlying Islands	2	2
##	United States of America	2	3
##	United States Virgin Islands	2	2
##	Uruguay	4	1
##	Uzbekistan	1	1
##	Vanuatu	5	1
##	Venezuela	4	3
##	Vietnam	1	2
##	Wallis and Futuna	3	1
##	Western Sahara	3	4
##	Yemen	1	2
##	Zambia	1	3
##	Zimbabwe	2	4

People from Australia, Ethiopia, Turkey and Liechtenstein had highest click on the ad, Liechtenstein and Ethiopia had all people click on the ad.

## 4. Bivariate Analysis

```
# Assigning the age column to the variable age
# ---
#
age <- advert$Age
```

```
# Assigning the Clicked.on.Ad column to the variable adclicked
# ---
#
timespent<- advert$ Daily.Time.Spent.on.Site
```

Using the `cov()` function to determine the covariance

```
#
cov(age, timespent)
```



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

The covariance is a strong negative relationship between Age and time spent on sight.

```
# Using the cor() function to determine the correlation
# ---
#
cor(age, timespent)
```

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

There is no relationship between age and time spent on site

```
# Getting correlation of the continuous variables
cor(advert[,unlist(lapply(advert, is.numeric))])
```

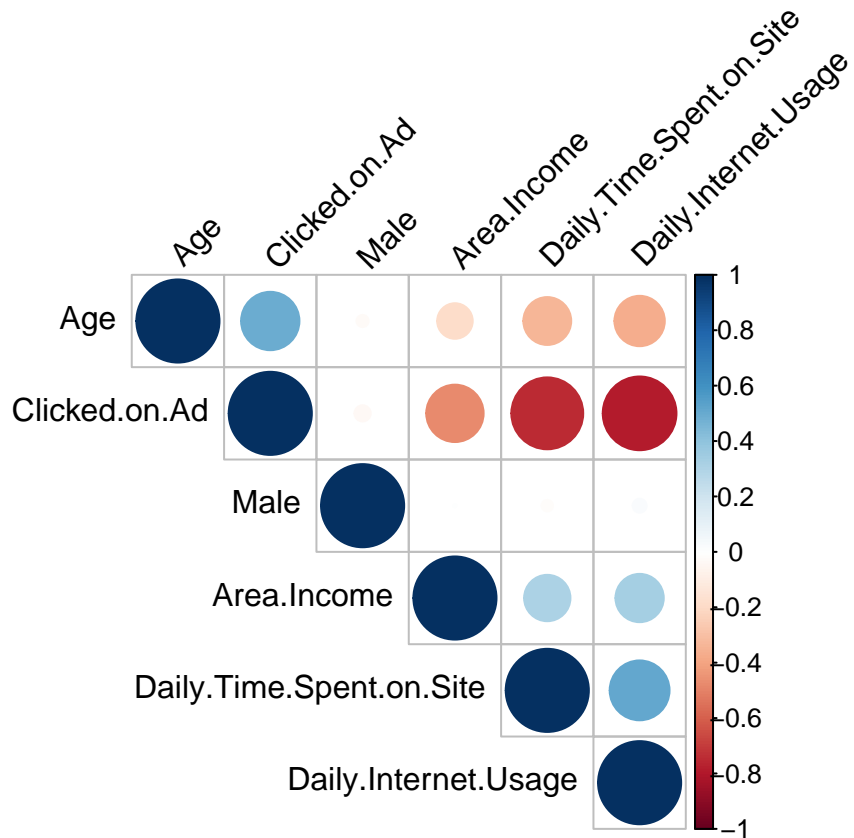
```
##                               Daily.Time.Spent.on.Site      Age  Area.Income
## Daily.Time.Spent.on.Site      1.00000000 -0.33151334  0.310954413
## Age                          -0.33151334  1.00000000 -0.182604955
## Area.Income                   0.31095441 -0.18260496  1.000000000
## Daily.Internet.Usage          0.51865848 -0.36720856  0.337495533
## Male                         -0.01895085 -0.02104406  0.001322359
## Clicked.on.Ad                -0.74811656  0.49253127 -0.476254628
##                               Daily.Internet.Usage      Male Clicked.on.Ad
## Daily.Time.Spent.on.Site      0.51865848 -0.018950855 -0.74811656
## Age                          -0.36720856 -0.021044064  0.49253127
## Area.Income                   0.33749553  0.001322359 -0.47625463
## Daily.Internet.Usage          1.00000000  0.028012326 -0.78653918
## Male                         0.02801233  1.000000000 -0.03802747
## Clicked.on.Ad                -0.78653918 -0.038027466  1.00000000
```

## Correlation plot package

```
#install.packages("corrplot")
library('corrplot')
```

```
## corrplot 0.90 loaded
```

```
#Plotting a correlation matrix plot
corrplot(cor(advert[,unlist(lapply(advert, is.numeric))]), type = "upper", order = "hclust", tl.col = "l")
```

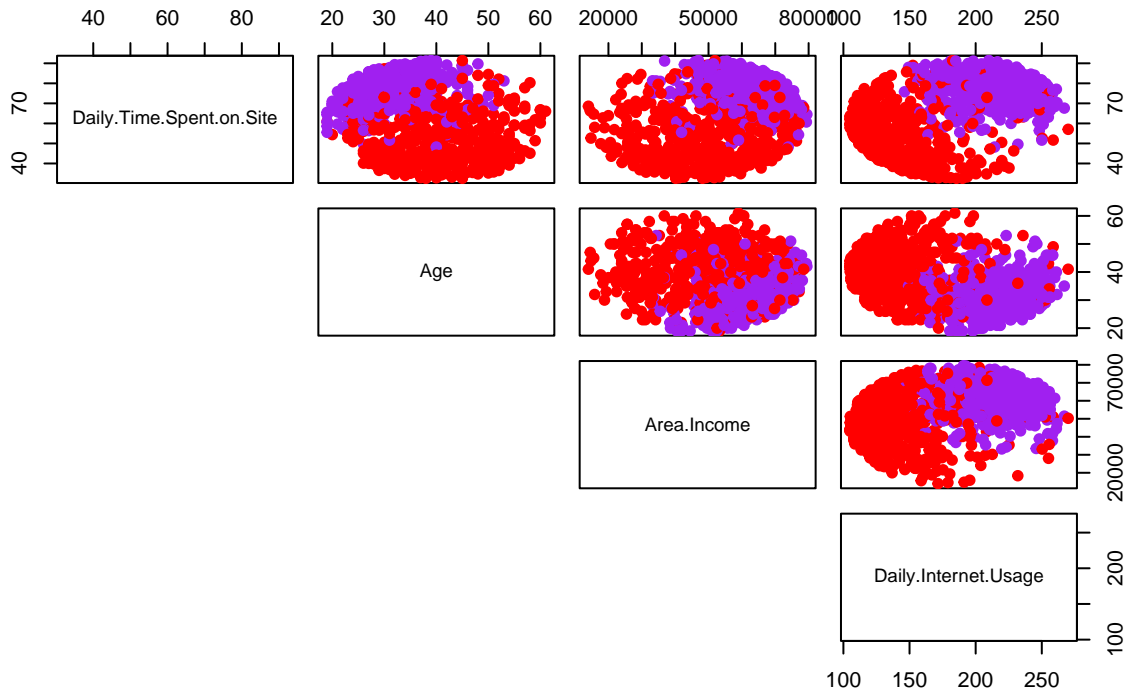


```
#install.packages("tidyverse")

# Grouping the data by whether one clicked an ad or not
group <- NA
group[advert$Clicked.on.Ad == 1] <- 1
group[advert$Clicked.on.Ad == 0] <- 2

# Plotting a pair plot
pairs(advert[,1:4], pch = 19, lower.panel = NULL,
      main="Pair Plots showing the relationships between variables",
      col = c("red", "purple")[group])
```

## Pair Plots showing the relationships between variables

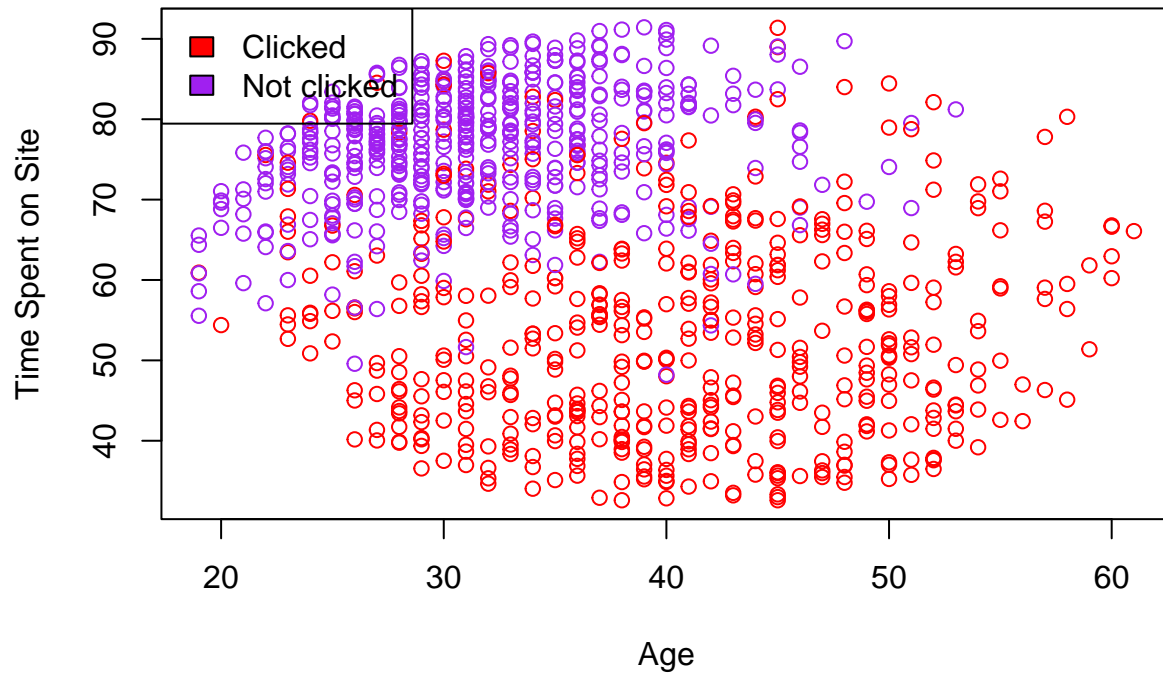


```
# Grouping by gender
group1 <- NA
group1[advert$Male == 1] <- 1
group1[advert$Male == 0] <- 2

# Setting the x and y variables
x <- advert$Age
y <- advert$Daily.Time.Spent.on.Site

# Scatter plot
plot(x, y, xlab = "Age", ylab = "Time Spent on Site", col = c("red", "purple")[group],
     main="Scatter Plot showing age in relation to time spent on Site")
legend("topleft", c("Clicked", "Not clicked"), fill=c("red", "purple"))
```

## Scatter Plot showing age in relation to time spent on Site

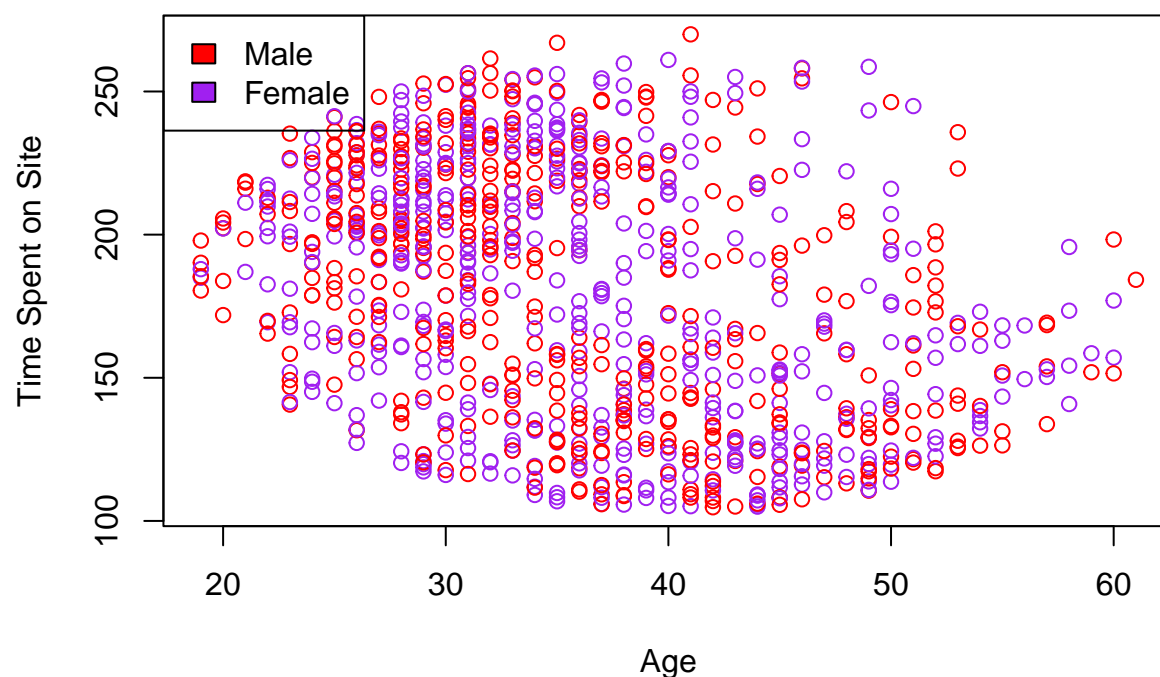


Those who are younger than 40 years were more likely to click on an ad. The less the time spent on a site, the more likely one would not click on an ad.

```
# Setting a new variable
n <- advert$Daily.Internet.Usage

# Scatter plot
plot(x, n, xlab = "Age", ylab = "Time Spent on Site", col = c("red", "purple")[group1],
     main="Scatter Plot showing age in relation to Internet usage")
legend("topleft", c("Male", "Female"), fill=c("red", "purple"))
```

**Scatter Plot showing age in relation to Internet usage**



Both genders are equally distributed in terms of time spent on site.

Getting individuals Who are likely to click on the advertisement.

```
#install.packages("dplyr")  
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
```

```
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
```

```
filter(advert, Age >= 35 & Daily.Time.Spent.on.Site < 60)
```

```
##      Daily.Time.Spent.on.Site Age Area.Income Daily.Internet.Usage
## 1                47.64 49      45632.51          122.02
## 2                55.39 37      23936.86          129.41
## 3                54.70 36      31087.54          118.39
## 4                41.49 52      32635.70          164.83
## 5                41.39 41      68962.32          167.22
## 6                51.95 52      58295.82          129.23
## 7                59.05 57      25583.29          169.23
## 8                57.64 57      45580.92          133.81
## 9                50.43 46      57425.87          119.32
## 10               38.93 39      27508.41          162.08
## 11               37.68 52      53575.48          172.83
## 12               44.33 37      52723.34          123.72
## 13               48.01 46      54286.10          119.93
## 14               33.33 45      53350.11          193.58
## 15               50.33 50      62657.53          133.20
## 16               44.98 49      52336.64          129.31
## 17               41.82 41      24852.90          156.36
## 18               45.96 45      66281.46          141.22
## 19               55.35 39      75509.61          153.17
## 20               33.21 43      42650.32          167.07
## 21               38.46 42      58183.04          145.98
## 22               49.81 35      57009.76          120.06
## 23               56.14 38      32689.04          113.53
## 24               55.13 45      55605.92          111.71
## 25               56.64 38      61652.53          115.91
## 26               57.76 41      47861.93          105.15
```

## 27	56.89	37	37334.78	109.29
## 28	50.08	40	64147.86	125.85
## 29	45.72	36	22473.08	154.02
## 30	39.94	41	64927.19	156.30
## 31	35.61	46	51868.85	158.22
## 32	41.49	53	31947.65	169.18
## 33	42.39	42	66541.05	150.99
## 34	46.13	46	37838.72	123.64
## 35	37.75	36	35466.80	225.24
## 36	46.98	50	21644.91	175.37
## 37	41.67	36	53817.02	132.55
## 38	51.24	36	76368.31	176.73
## 39	43.49	47	50335.46	127.83
## 40	49.89	39	17709.98	160.03
## 41	38.37	36	41229.16	140.46
## 42	38.52	38	42581.23	137.28
## 43	55.60	44	65953.76	124.38
## 44	37.47	44	45716.48	141.89
## 45	56.04	49	65120.86	128.95
## 46	49.78	46	71718.51	152.24
## 47	37.00	48	36782.38	158.22
## 48	44.64	36	55787.58	127.01
## 49	41.28	50	50960.08	140.39
## 50	59.59	42	43662.10	104.78
## 51	43.77	52	49030.03	138.55
## 52	39.85	38	31343.39	145.96
## 53	46.88	54	43444.86	136.64
## 54	46.31	57	44248.52	153.98
## 55	39.86	36	32593.59	145.85
## 56	43.67	53	46004.31	143.79
## 57	44.78	45	63363.04	137.24
## 58	35.65	40	31265.75	172.58
## 59	59.51	58	39132.64	140.83
## 60	40.15	38	38745.29	134.88
## 61	41.89	38	68519.96	163.38
## 62	34.87	40	59621.02	200.23
## 63	43.60	38	20856.54	170.49
## 64	49.95	39	68737.75	136.59
## 65	34.86	38	49942.66	154.75
## 66	37.32	50	56735.14	199.25
## 67	40.42	45	40183.75	133.90
## 68	53.68	47	56180.93	115.26
## 69	39.96	45	59610.81	146.13
## 70	57.05	41	50278.89	269.96
## 71	42.44	56	43450.11	168.27
## 72	56.70	48	62784.85	123.13
## 73	40.06	38	56782.18	138.68
## 74	59.21	35	73347.67	144.62
## 75	43.02	44	50199.77	125.22
## 76	44.49	53	63100.13	168.00
## 77	46.37	52	32847.53	144.27
## 78	40.67	35	48913.07	133.18
## 79	47.51	51	53700.57	130.41
## 80	45.05	42	66348.95	141.36

## 81	55.20	39	76560.59	159.46
## 82	52.62	50	73863.25	176.52
## 83	39.25	39	62378.05	152.36
## 84	33.52	43	42191.61	165.56
## 85	54.92	54	23975.35	161.16
## 86	36.87	36	29398.61	195.91
## 87	34.78	48	42861.42	208.21
## 88	56.30	49	67430.96	135.24
## 89	38.94	41	57587.00	142.67
## 90	36.31	47	57983.30	168.92
## 91	37.87	52	56394.82	188.56
## 92	37.45	47	31281.01	167.86
## 93	49.84	39	45800.48	111.59
## 94	51.38	59	42362.49	158.56
## 95	58.60	50	45400.50	113.70
## 96	36.08	45	41417.27	151.47
## 97	41.73	47	60812.77	144.71
## 98	43.63	41	51662.24	123.25
## 99	44.46	42	30487.48	132.66
## 100	42.05	51	28357.27	174.55
## 101	35.98	47	55993.68	165.52
## 102	39.34	43	31215.88	148.93
## 103	57.24	52	46473.14	117.35
## 104	56.34	50	68713.70	139.02
## 105	51.68	49	51067.54	258.62
## 106	35.34	45	46693.76	152.86
## 107	56.99	40	37713.23	108.15
## 108	41.18	43	41866.55	129.25
## 109	34.30	41	53167.68	160.74
## 110	53.38	35	60803.37	120.06
## 111	43.59	36	58849.77	132.31
## 112	54.43	37	75180.20	154.74
## 113	56.66	42	72684.44	139.42
## 114	57.64	36	37212.54	110.25
## 115	36.44	39	52400.88	147.64
## 116	53.14	38	49111.47	109.00
## 117	32.84	40	41232.89	171.72
## 118	51.87	50	51869.87	119.65
## 119	43.01	35	48347.64	127.37
## 120	48.03	40	25598.75	134.60
## 121	32.99	45	49282.87	177.46
## 122	36.49	52	42136.33	196.61
## 123	43.84	36	70592.81	167.42
## 124	44.96	50	52802.00	132.71
## 125	39.56	41	59243.46	143.13
## 126	46.20	37	51315.38	119.30
## 127	35.49	48	43974.49	159.77
## 128	50.19	40	33987.27	117.30
## 129	41.70	39	42898.21	126.95
## 130	58.35	37	70232.95	132.63
## 131	51.56	46	63102.19	124.85
## 132	58.21	37	47575.44	105.94
## 133	49.99	41	61068.26	121.07
## 134	59.13	44	49525.37	106.04



## 135	42.94	37	56681.65	130.40
## 136	59.22	55	39131.53	126.39
## 137	35.00	40	46033.73	151.25
## 138	46.61	42	65856.74	136.18
## 139	43.65	39	63649.04	138.87
## 140	46.61	52	27241.11	156.99
## 141	53.44	42	42907.89	108.17
## 142	42.60	55	55121.65	168.29
## 143	56.39	58	32252.38	154.23
## 144	44.73	35	55316.97	127.56
## 145	56.20	49	53549.94	114.85
## 146	38.35	41	34886.01	144.69
## 147	59.52	44	67511.86	251.08
## 148	47.90	42	48467.68	114.53
## 149	50.32	40	27964.60	125.65
## 150	46.66	45	49101.67	118.16
## 151	48.86	54	53188.69	134.46
## 152	37.05	39	49742.83	142.81
## 153	43.83	45	35684.82	129.01
## 154	57.20	42	57739.03	110.66
## 155	49.84	38	67781.31	135.24
## 156	43.97	36	68863.95	156.97
## 157	38.63	48	57777.11	222.11
## 158	52.13	50	40926.93	118.27
## 159	50.18	35	63006.14	127.82
## 160	32.91	37	51691.55	181.02
## 161	40.01	53	51463.17	161.77
## 162	52.70	41	41059.64	109.34
## 163	35.55	39	51593.46	151.18
## 164	41.16	49	59448.44	150.83
## 165	53.54	39	47314.45	108.03
## 166	40.19	37	55358.88	136.99
## 167	58.95	55	56242.70	131.29
## 168	35.76	51	45522.44	195.07
## 169	59.36	49	46931.03	110.84
## 170	44.33	41	43386.07	120.63
## 171	52.84	43	28495.21	122.31
## 172	42.04	49	67323.00	182.11
## 173	48.26	50	43573.66	122.45
## 174	49.96	55	60968.62	151.94
## 175	47.23	38	70582.55	149.80
## 176	43.57	36	50971.73	125.20
## 177	39.19	54	52581.16	173.05
## 178	46.89	48	72553.94	176.78
## 179	45.44	43	48453.55	119.27
## 180	49.42	53	45465.25	128.00
## 181	49.19	38	61004.51	123.08
## 182	39.96	35	53898.89	138.52
## 183	43.07	36	60583.02	137.63
## 184	39.47	43	65576.05	163.48
## 185	48.22	40	73882.91	214.33
## 186	44.11	41	43111.41	121.24
## 187	47.23	43	73538.09	210.87
## 188	43.63	38	61757.12	135.25

## 189	57.99	50	62466.10	124.58
## 190	45.11	58	39799.73	195.69
## 191	54.35	42	76984.21	164.02
## 192	56.93	37	57887.64	111.80
## 193	48.86	35	62463.70	128.37
## 194	53.63	54	50333.72	126.29
## 195	52.84	51	38641.20	121.57
## 196	55.04	42	43881.73	106.96
## 197	32.60	45	48206.04	185.47
## 198	43.88	54	31523.09	166.85
## 199	52.67	44	14775.50	191.26
## 200	35.21	39	52340.10	154.00
## 201	36.37	40	47338.94	144.53
## 202	35.49	47	36884.23	170.04
## 203	49.35	49	44304.13	119.86
## 204	50.63	50	25767.16	142.23
## 205	41.84	49	37605.11	139.32
## 206	53.92	41	25739.09	125.46
## 207	55.32	43	67682.32	127.65
## 208	53.22	44	44307.18	108.85
## 209	43.16	35	25371.52	156.11
## 210	36.91	48	54645.20	159.69
## 211	57.51	38	47682.28	105.71
## 212	43.49	45	47968.32	124.67
## 213	48.46	49	61230.03	132.38
## 214	41.46	42	52177.40	128.98
## 215	49.21	46	49206.40	115.60
## 216	55.77	49	55942.04	117.33
## 217	44.13	40	33601.84	128.48
## 218	57.82	46	48867.36	107.56
## 219	44.16	42	61690.93	133.42
## 220	55.74	37	26130.93	124.34
## 221	59.05	52	50086.17	118.45
## 222	35.11	35	47638.30	158.03
## 223	37.65	51	50457.01	161.29
## 224	41.53	42	67575.12	158.81
## 225	46.84	45	34903.67	123.22
## 226	44.40	53	43073.78	140.95
## 227	52.17	44	57594.70	115.37
## 228	54.08	36	53012.94	111.02
## 229	37.74	40	65773.49	190.95
## 230	55.46	37	42078.89	108.10
## 231	35.66	45	46197.59	151.72
## 232	50.78	51	49957.00	122.04
## 233	40.47	38	24078.93	203.90
## 234	45.62	43	53647.81	121.28
## 235	37.01	50	48826.14	216.01
## 236	56.91	50	21773.22	146.44
## 237	42.84	52	27073.27	182.20
## 238	34.96	42	36913.51	160.49
## 239	41.86	39	53041.77	128.62
## 240	54.96	42	59419.78	113.75
## 241	55.71	37	57806.03	112.52
## 242	45.48	49	53336.76	129.16

## 243	47.00	56	50491.45	149.53
## 244	59.64	51	71455.62	153.12
## 245	35.98	45	43241.88	150.79
## 246	50.60	48	65956.71	135.67
## 247	32.60	38	40159.20	190.05
## 248	44.72	46	40468.53	123.86
## 249	54.55	44	41547.62	109.04
## 250	35.66	36	59240.24	172.57
## 251	35.25	50	47051.02	194.44
## 252	37.58	52	51600.47	176.70
## 253	45.08	38	35349.26	125.27
## 254	45.17	48	34418.09	132.07
## 255	50.48	50	20592.99	162.43
## 256	41.88	40	44217.68	126.11
## 257	39.87	48	47929.83	139.34
## 258	54.37	38	72196.29	140.77
## 259	35.79	44	33813.08	165.62
## 260	38.96	38	36497.22	140.67
## 261	51.30	45	67782.17	134.42
## 262	51.63	51	42415.72	120.37
##			Ad.Topic.Line	City
## 1			Centralized neutral neural-net	West Brandon
## 2			Customizable multi-tasking website	West Dylanberg
## 3			Grass-roots solution-oriented conglomeration	Jessicastad
## 4			Mandatory disintermediate utilization	South John
## 5			Exclusive neutral parallelism	Harperborough
## 6			Monitored systematic hierarchy	South Cathyfurt
## 7			Digitized global capability	North Richardburgh
## 8			Synchronized dedicated service-desk	New Thomas
## 9			Persevering needs-based open architecture	Charlesport
## 10			Intuitive exuding service-desk	Millerchester
## 11			Organic leadingedge secured line	Lake Cassandraport
## 12			Visionary maximized process improvement	Hamiltonfort
## 13			Centralized 24/7 installation	West Christopher
## 14			Pre-emptive value-added workforce	East Samanthashire
## 15			Sharable analyzing alliance	South Lauraton
## 16			Organized global model	Port Sarahshire
## 17			Phased transitional instruction set	Brendachester
## 18			Streamlined cohesive conglomeration	Robertfurt
## 19			De-engineered object-oriented protocol	East Tammie
## 20			Polarized clear-thinking budgetary management	Wilcoxport
## 21			Customizable 6thgeneration knowledge user	East Michaelmouth
## 22			Seamless real-time array	Ramirezhaven
## 23			Devolved tangible approach	Lake Edward
## 24			Customizable executive software	Lake Conniefurt
## 25			Down-sized uniform info-mediaries	Lake Christopherfurt
## 26			Triple-buffered scalable groupware	Lake Dustin
## 27			Open-source coherent policy	Nelsonfurt
## 28			Ergonomic full-range time-frame	Whiteport
## 29			Versatile homogeneous capacity	Williammouth
## 30			Function-based optimizing protocol	Williamsborough
## 31			Up-sized secondary software	North Michael
## 32			Persevering reciprocal firmware	Hernandezville
## 33			De-engineered mobile infrastructure	Erinton

## 34	Horizontal hybrid challenge	New Rachel
## 35	Polarized dynamic throughput	South Daniel
## 36	Down-sized well-modulated archive	East Michelleberg
## 37	Realigned zero tolerance emulation	Port Eric
## 38	Versatile transitional monitoring	Timothyfurt
## 39	User-centric intangible task-force	Guzmanland
## 40	Enhanced system-worthy application	East Michele
## 41	Multi-layered user-facing paradigm	East John
## 42	Customer-focused 24/7 concept	Lesliebury
## 43	Fully-configurable neutral open system	New Debbiestad
## 44	Realigned content-based leverage	Port Lawrence
## 45	Decentralized real-time circuit	West Ricardo
## 46	Enterprise-wide client-driven contingency	Heatherberg
## 47	Function-based context-sensitive secured line	Jonathantown
## 48	Up-sized incremental encryption	Codyburgh
## 49	Universal 24/7 implementation	East Rachelview
## 50	Re-engineered demand-driven capacity	Samanthaland
## 51	Synergized hybrid time-frame	Kyleborough
## 52	Profit-focused dedicated utilization	East Stephen
## 53	Virtual scalable secured line	Port Melissaberg
## 54	Front-line fault-tolerant intranet	Bernardton
## 55	Total 5thgeneration standardization	Josephstad
## 56	Cloned analyzing artificial intelligence	South Tiffanyton
## 57	Extended context-sensitive monitoring	West Casey
## 58	Seamless intangible secured line	North Johntown
## 59	Assimilated fault-tolerant hub	Penatown
## 60	Exclusive disintermediate task-force	Joechester
## 61	Compatible systemic function	Hartmanchester
## 62	Configurable logistical Graphical User Interface	Davilachester
## 63	Virtual bandwidth-monitored initiative	North Ricardotown
## 64	Cloned object-oriented benchmark	Millerbury
## 65	Pre-emptive cohesive budgetary management	West Justin
## 66	Versatile dedicated software	New Nancy
## 67	Stand-alone reciprocal synergy	Lisamouth
## 68	Operative stable moderator	New Michael
## 69	Enhanced homogeneous moderator	East Barbara
## 70	Seamless full-range website	Port Erinberg
## 71	Profit-focused attitude-oriented task-force	Petersonfurt
## 72	Progressive non-volatile neural-net	Port Crystal
## 73	Organized contextually-based customer loyalty	Olsonstad
## 74	Managed disintermediate matrices	Lake Beckyburgh
## 75	Configurable bottom-line application	West Lindseybury
## 76	Business-focused real-time toolset	Jacksonburgh
## 77	De-engineered solution-oriented open architecture	Alexanderfurt
## 78	Stand-alone encompassing throughput	West Amanda
## 79	Managed well-modulated collaboration	Bethburgh
## 80	Digitized contextually-based product	South Kyle
## 81	Exclusive zero tolerance alliance	Jordantown
## 82	Enterprise-wide foreground emulation	Port Juan
## 83	Customer-focused incremental system engine	Michellefort
## 84	Vision-oriented optimizing middleware	Jessicahaven
## 85	Extended interactive model	Roberttown
## 86	Self-enabling incremental collaboration	New Rebecca
## 87	Exclusive even-keeled moratorium	Jeffreyburgh

## 88	Fully-configurable high-level implementation	South Meghan
## 89	Optional mission-critical functionalities	Lewismouth
## 90	Reverse-engineered well-modulated capability	East Yvonnechester
## 91	Phased analyzing emulation	Robertsonburgh
## 92	Horizontal high-level concept	South Johnnymouth
## 93	Reduced multimedia project	Hannaport
## 94	Object-based modular functionalities	East Anthony
## 95	Organic asynchronous hierarchy	Rogerburch
## 96	Automated client-driven orchestration	Davidside
## 97	Proactive client-server productivity	Andersonchester
## 98	Exclusive zero tolerance frame	Jordanshire
## 99	Intuitive zero-defect framework	Christinehaven
## 100	Configurable 24/7 hub	West Eduardotown
## 101	Focused 3rdgeneration pricing structure	West Jane
## 102	Proactive radical support	Alvaradoport
## 103	Profound optimizing utilization	Richardsonland
## 104	Multi-channeled mission-critical success	Port Michealburgh
## 105	Seamless cohesive conglomeration	Katieport
## 106	De-engineered actuating hierarchy	East Brittanyville
## 107	Sharable optimal capacity	Brownnton
## 108	Enterprise-wide incremental Internet solution	New Denisebury
## 109	Re-contextualized reciprocal interface	West Melaniefurt
## 110	Total local synergy	Alexanderview
## 111	Re-engineered context-sensitive knowledge user	Lake Susan
## 112	Balanced contextually-based pricing structure	Williamsmouth
## 113	Upgradable asymmetric emulation	Lake Jesus
## 114	Robust web-enabled attitude	North Maryland
## 115	Configurable disintermediate throughput	Port Patrickton
## 116	Automated web-enabled migration	West Julia
## 117	Triple-buffered 3rdgeneration migration	New Keithburgh
## 118	Team-oriented dynamic forecast	Kevinberg
## 119	Organized 24/7 middleware	Butlerfort
## 120	Networked stable array	East Lindsey
## 121	Phased full-range hardware	Masseysshire
## 122	Object-based system-worthy superstructure	Ryanhaven
## 123	Public-key real-time definition	Port Jessica
## 124	Focused fresh-thinking Graphic Interface	South Peter
## 125	Ameliorated exuding solution	Port Mitchell
## 126	Distributed maximized ability	Welchshire
## 127	Fully-configurable holistic throughput	Timothyport
## 128	Progressive uniform budgetary management	Lake Stephenborough
## 129	Innovative regional structure	Jensenton
## 130	Universal asymmetric workforce	Rivasland
## 131	Business-focused client-driven forecast	Helenborough
## 132	Open-source global strategy	Pattymouth
## 133	Profound bottom-line standardization	New Charleschester
## 134	Upgradable heuristic system engine	South Lisa
## 135	Synergistic dynamic orchestration	Rebeccamouth
## 136	Polarized 5thgeneration matrix	North Andrew
## 137	Fully-configurable context-sensitive Graphic Interface	South Walter
## 138	Progressive intermediate throughput	Catherinefort
## 139	Business-focused background synergy	North Aaronburgh
## 140	Ergonomic methodical encoding	Danielview
## 141	Up-sized next generation architecture	Lake Jennifer

## 142	Switchable analyzing encryption	Lake Ian
## 143	Programmable uniform website	West Shannon
## 144	Object-based neutral policy	North Lauraland
## 145	Adaptive uniform capability	East Georgeside
## 146	Synergistic reciprocal attitude	Loriville
## 147	Managed 5thgeneration time-frame	Amandaland
## 148	Cross-group human-resource time-frame	East Jessefort
## 149	Realigned intangible benchmark	Rochabury
## 150	Grass-roots mission-critical emulation	Wrightview
## 151	Proactive encompassing paradigm	Perryburgh
## 152	Automated object-oriented firmware	Tracyhaven
## 153	Total human-resource flexibility	Greerport
## 154	Innovative maximized groupware	East Heatherside
## 155	Phased hybrid superstructure	Jenniferhaven
## 156	User-friendly grid-enabled analyzer	Boyerberg
## 157	Cross-platform logistical pricing structure	Chapmanmouth
## 158	Open-source even-keeled database	West Raymondmouth
## 159	Customizable hybrid system engine	Sandrashire
## 160	Future-proofed fresh-thinking conglomeration	Elizabethstad
## 161	Sharable multimedia conglomeration	East Brettton
## 162	Team-oriented high-level orchestration	New Matthew
## 163	Robust object-oriented Graphic Interface	Westshire
## 164	Configurable interactive contingency	Hendrixmouth
## 165	Optimized systemic capability	Julietown
## 166	Right-sized system-worthy project	Adamsbury
## 167	Proactive actuating Graphical User Interface	East Maureen
## 168	Versatile optimizing projection	North Angelastad
## 169	Universal multi-state system engine	Amandafort
## 170	Ergonomic empowering frame	Estradashire
## 171	Multi-tiered mobile encoding	Hobbsbury
## 172	Organic logistical adapter	New Christinatown
## 173	User-centric intermediate knowledge user	South Margaret
## 174	Multi-layered user-facing parallelism	South Cynthiashire
## 175	Implemented context-sensitive Local Area Network	Blevinstown
## 176	Front-line upward-trending groupware	Lake Joshuafurt
## 177	Stand-alone empowering benchmark	Leahside
## 178	Polarized mission-critical structure	Chaseshire
## 179	Enhanced intermediate standardization	Mezaton
## 180	Ameliorated well-modulated complexity	Jacquelineshire
## 181	Versatile solution-oriented secured line	North Mark
## 182	Phased leadingedge budgetary management	Kingchester
## 183	Monitored zero administration collaboration	East Ericport
## 184	Team-oriented systematic installation	Crawfordfurt
## 185	Inverse national core	Turnerville
## 186	Organic next generation matrix	Lake David
## 187	Optimized upward-trending productivity	Yangside
## 188	Quality-focused maximized extranet	Frankport
## 189	Innovative homogeneous alliance	New Angelview
## 190	Sharable reciprocal project	Browntown
## 191	Proactive interactive service-desk	Lake Hailey
## 192	Reactive demand-driven strategy	Bradleyside
## 193	Universal empowering adapter	Elizabethbury
## 194	Front-line zero-defect array	Vanessaview
## 195	Synergistic asynchronous superstructure	Melissachester

## 196	Quality-focused optimizing parallelism	Hernandezside
## 197	Multi-tiered interactive neural-net	New Henry
## 198	Enhanced methodical database	Dustinmouth
## 199	Persevering 5thgeneration knowledge user	New Hollyberg
## 200	Advanced disintermediate data-warehouse	New Timothy
## 201	Quality-focused zero-defect data-warehouse	North Jessicaville
## 202	Front-line actuating functionalities	North Brittanyburgh
## 203	Inverse stable synergy	Lake Charlottestad
## 204	Operative full-range forecast	Tammymouth
## 205	Operative secondary functionalities	Lake Vanessa
## 206	Business-focused transitional solution	Lake Amanda
## 207	Managed 24hour analyzer	Port Douglasborough
## 208	Horizontal client-server database	Port Aprilville
## 209	Implemented didactic support	Williamsport
## 210	Ameliorated coherent open architecture	North Samantha
## 211	Re-engineered zero-defect open architecture	Jeffreymouth
## 212	Synchronized full-range portal	Smithside
## 213	Devolved human-resource circuit	Lisamouth
## 214	Integrated impactful groupware	Robertstown
## 215	Realigned 24/7 core	Carterland
## 216	Fully-configurable high-level groupware	East Shawn
## 217	Ameliorated discrete extranet	West Derekmouth
## 218	Centralized asynchronous portal	Brandiland
## 219	Innovative interactive portal	Port Dennis
## 220	Networked asymmetric infrastructure	Lake Michelle
## 221	Upgradable logistical flexibility	Kristinfurt
## 222	Extended analyzing emulation	North Jonathan
## 223	Automated stable help-desk	Davidview
## 224	Optional tangible productivity	South Jeanneport
## 225	Virtual homogeneous budgetary management	Jonesshire
## 226	Phased zero-defect portal	Mariahview
## 227	Optional modular throughput	New Julianberg
## 228	Innovative cohesive pricing structure	Philipberg
## 229	Balanced uniform algorithm	Lake James
## 230	Exclusive systematic algorithm	Chrismouth
## 231	Exclusive cohesive intranet	Port Beth
## 232	Vision-oriented asynchronous Internet solution	West David
## 233	Sharable 5thgeneration access	Fraziershire
## 234	Monitored homogeneous artificial intelligence	Robertfurt
## 235	Secured encompassing Graphical User Interface	Port Derekberg
## 236	Team-oriented executive core	West Randy
## 237	Enhanced optimizing website	Lake Michellebury
## 238	Right-sized mobile initiative	West James
## 239	Open-source stable paradigm	Hawkinsbury
## 240	Public-key disintermediate emulation	West Amanda
## 241	Upgradable 4thgeneration portal	Lake James
## 242	Networked client-server solution	Blairborough
## 243	Public-key bi-directional Graphical User Interface	New Marcusbury
## 244	Re-contextualized human-resource success	Evansville
## 245	Front-line fresh-thinking installation	Huffmanchester
## 246	Customer-focused fault-tolerant implementation	Port Michaelmouth
## 247	Customizable homogeneous contingency	Tylerport
## 248	Cross-group systemic customer loyalty	North Jenniferburgh
## 249	Re-engineered optimal policy	West Gabriellamouth

## 250	Implemented uniform synergy	Alvarezland
## 251	Intuitive global website	Waltertown
## 252	Exclusive disintermediate Internet solution	Cameronberg
## 253	Synergized clear-thinking protocol	Fosterside
## 254	Down-sized background groupware	Taylormouth
## 255	Switchable real-time product	Dianaville
## 256	Streamlined exuding adapter	Port Rachel
## 257	Business-focused user-facing benchmark	South Rebecca
## 258	Up-sized asymmetric firmware	Lake Matthew
## 259	Enterprise-wide tangible model	North Katie
## 260	Versatile mission-critical application	Mauricefurt
## 261	Grass-roots cohesive monitoring	New Darlene
## 262	Expanded intangible solution	South Jessica
##	Male	Country
## 1	0	Qatar
## 2	0	Palestinian Territory
## 3	1	British Indian Ocean Territory (Chagos Archipelago)
## 4	0	Burundi
## 5	0	Tokelau
## 6	0	Greece
## 7	1	Maldives
## 8	1	Dominica
## 9	1	Saint Helena
## 10	0	Liberia
## 11	1	Turkmenistan
## 12	1	Trinidad and Tobago
## 13	0	Italy
## 14	1	Guinea-Bissau
## 15	1	Micronesia
## 16	0	Svalbard & Jan Mayen Islands
## 17	0	Iran
## 18	0	Christmas Island
## 19	1	Cook Islands
## 20	1	Turkey
## 21	1	Guatemala
## 22	1	Faroe Islands
## 23	1	Ireland
## 24	0	Ukraine
## 25	0	Montserrat
## 26	0	Puerto Rico
## 27	1	Wallis and Futuna
## 28	1	Greece
## 29	1	Hong Kong
## 30	0	Lithuania
## 31	0	Egypt
## 32	0	Western Sahara
## 33	0	Christmas Island
## 34	1	Guyana
## 35	0	Uzbekistan
## 36	0	Lithuania
## 37	0	Saint Martin
## 38	0	Cuba
## 39	0	Belize
## 40	1	Belize



## 41	0	Antarctica (the territory South of 60 deg S)
## 42	1	Saint Vincent and the Grenadines
## 43	1	Korea
## 44	1	Czech Republic
## 45	1	Netherlands
## 46	0	Dominica
## 47	1	Kenya
## 48	0	Belize
## 49	0	Equatorial Guinea
## 50	1	Brazil
## 51	1	Portugal
## 52	0	Vietnam
## 53	0	Singapore
## 54	1	Jamaica
## 55	0	Algeria
## 56	1	Bouvet Island (Bouvetoya)
## 57	1	Suriname
## 58	1	Georgia
## 59	0	Australia
## 60	1	Sao Tome and Principe
## 61	0	Cyprus
## 62	0	Czech Republic
## 63	0	Chile
## 64	0	Turkmenistan
## 65	0	Bahrain
## 66	1	Chad
## 67	1	Norway
## 68	1	Micronesia
## 69	1	Guernsey
## 70	1	Sierra Leone
## 71	0	Tajikistan
## 72	0	France
## 73	1	Peru
## 74	1	Liechtenstein
## 75	0	Thailand
## 76	1	Sao Tome and Principe
## 77	0	French Guiana
## 78	0	Lebanon
## 79	1	American Samoa
## 80	0	French Southern Territories
## 81	1	United States of America
## 82	0	Seychelles
## 83	0	Mayotte
## 84	0	Cambodia
## 85	0	Saint Pierre and Miquelon
## 86	0	Anguilla
## 87	1	South Africa
## 88	1	New Caledonia
## 89	1	Falkland Islands (Malvinas)
## 90	0	Eritrea
## 91	1	Gambia
## 92	0	Antigua and Barbuda
## 93	0	Samoa
## 94	0	Afghanistan

## 95	0	Samoa
## 96	1	United States Minor Outlying Islands
## 97	0	Cote d'Ivoire
## 98	1	Albania
## 99	1	Mongolia
## 100	1	Canada
## 101	1	El Salvador
## 102	0	Bangladesh
## 103	1	Latvia
## 104	1	Anguilla
## 105	0	Faroe Islands
## 106	0	Taiwan
## 107	0	Bahamas
## 108	1	Myanmar
## 109	1	Libyan Arab Jamahiriya
## 110	1	French Guiana
## 111	1	Congo
## 112	1	Luxembourg
## 113	0	Dominican Republic
## 114	1	Chile
## 115	1	Estonia
## 116	1	Greenland
## 117	0	Trinidad and Tobago
## 118	0	Afghanistan
## 119	0	United States of America
## 120	1	Malta
## 121	0	Ecuador
## 122	1	Lao People's Democratic Republic
## 123	0	Australia
## 124	1	Heard Island and McDonald Islands
## 125	1	Western Sahara
## 126	0	Belgium
## 127	0	American Samoa
## 128	0	Thailand
## 129	0	China
## 130	0	Macao
## 131	0	Australia
## 132	0	Djibouti
## 133	0	Romania
## 134	1	Turkey
## 135	1	Moldova
## 136	1	Honduras
## 137	1	Mongolia
## 138	0	Ethiopia
## 139	0	Western Sahara
## 140	0	New Zealand
## 141	1	Libyan Arab Jamahiriya
## 142	0	Cambodia
## 143	0	Australia
## 144	1	Guam
## 145	1	Bahamas
## 146	1	Vanuatu
## 147	1	Bolivia
## 148	0	United Kingdom

## 149	0	Yemen
## 150	0	Antigua and Barbuda
## 151	0	French Guiana
## 152	1	Antigua and Barbuda
## 153	0	Saudi Arabia
## 154	0	New Zealand
## 155	1	United Arab Emirates
## 156	1	Indonesia
## 157	0	Papua New Guinea
## 158	1	Ethiopia
## 159	1	Grenada
## 160	0	South Africa
## 161	0	Ecuador
## 162	1	Zambia
## 163	0	Micronesia
## 164	1	Venezuela
## 165	0	Palau
## 166	0	France
## 167	1	Slovenia
## 168	0	Peru
## 169	0	Belarus
## 170	0	Guyana
## 171	0	Senegal
## 172	0	Qatar
## 173	1	Liechtenstein
## 174	1	Zambia
## 175	1	Tokelau
## 176	1	French Polynesia
## 177	0	Guatemala
## 178	1	Turkey
## 179	0	China
## 180	1	Congo
## 181	0	Hungary
## 182	1	Pitcairn Islands
## 183	1	Turkey
## 184	1	Uganda
## 185	0	Norfolk Island
## 186	1	Saint Vincent and the Grenadines
## 187	1	Svalbard & Jan Mayen Islands
## 188	1	Korea
## 189	0	Costa Rica
## 190	0	Netherlands
## 191	0	Sweden
## 192	0	Sierra Leone
## 193	1	Saint Martin
## 194	1	Liberia
## 195	1	Bosnia and Herzegovina
## 196	1	Czech Republic
## 197	0	Mayotte
## 198	1	Somalia
## 199	0	Jersey
## 200	1	United States Minor Outlying Islands
## 201	1	Kiribati
## 202	0	Liechtenstein

## 203	0	Kenya
## 204	0	Luxembourg
## 205	0	Cyprus
## 206	1	Turkey
## 207	0	Netherlands
## 208	0	United States Virgin Islands
## 209	1	Marshall Islands
## 210	0	Zimbabwe
## 211	0	Moldova
## 212	0	Vietnam
## 213	1	Indonesia
## 214	1	Malta
## 215	0	Mexico
## 216	1	Chile
## 217	1	Cuba
## 218	1	Belarus
## 219	1	Spain
## 220	1	Hong Kong
## 221	1	Uganda
## 222	1	Anguilla
## 223	1	Bahrain
## 224	0	Mayotte
## 225	0	Macao
## 226	1	France
## 227	1	Equatorial Guinea
## 228	1	Mayotte
## 229	0	Denmark
## 230	0	Taiwan
## 231	0	Peru
## 232	0	Liberia
## 233	0	Burundi
## 234	0	Macao
## 235	0	San Marino
## 236	0	Norfolk Island
## 237	1	Tunisia
## 238	1	Macedonia
## 239	1	Ethiopia
## 240	1	Niger
## 241	1	Korea
## 242	1	Lao People's Democratic Republic
## 243	0	Bahamas
## 244	1	Guyana
## 245	0	Ethiopia
## 246	0	Brazil
## 247	0	Syrian Arab Republic
## 248	1	Grenada
## 249	0	Canada
## 250	0	Svalbard & Jan Mayen Islands
## 251	0	Iran
## 252	1	Bulgaria
## 253	0	Liberia
## 254	1	Palau
## 255	0	Malawi
## 256	1	Cyprus

## 257	1	Mexico
## 258	0	Mexico
## 259	1	Tonga
## 260	1	Comoros
## 261	1	Bosnia and Herzegovina
## 262	1	Mongolia

##	Timestamp	Clicked.on.Ad
## 1	2016-03-16 20:19:01	1
## 2	2016-01-30 19:20:41	1
## 3	2016-02-13 07:53:55	1
## 4	2016-05-20 08:49:33	1
## 5	2016-06-13 17:27:09	1
## 6	2016-07-19 08:32:10	1
## 7	2016-07-15 05:05:14	1
## 8	2016-03-15 03:12:25	1
## 9	2016-05-07 17:11:49	1
## 10	2016-03-11 06:49:10	1
## 11	2016-02-17 13:16:33	1
## 12	2016-01-08 09:32:26	1
## 13	2016-04-25 11:01:54	1
## 14	2016-01-17 09:31:36	1
## 15	2016-03-02 04:57:51	1
## 16	2016-04-10 00:13:47	1
## 17	2016-05-26 22:49:47	1
## 18	2016-06-03 00:55:23	1
## 19	2016-03-08 00:37:54	1
## 20	2016-05-10 17:39:06	1
## 21	2016-04-06 11:24:21	1
## 22	2016-01-05 04:18:46	1
## 23	2016-02-03 07:59:16	1
## 24	2016-02-17 21:55:29	1
## 25	2016-01-05 17:56:52	1
## 26	2016-06-12 15:25:44	1
## 27	2016-05-25 00:19:57	1
## 28	2016-04-10 02:02:36	1
## 29	2016-04-19 15:14:58	1
## 30	2016-01-08 22:47:10	1
## 31	2016-03-28 08:46:26	1
## 32	2016-07-03 09:22:30	1
## 33	2016-04-28 05:50:25	1
## 34	2016-01-09 05:44:56	1
## 35	2016-02-26 19:48:23	1
## 36	2016-05-04 09:00:24	1
## 37	2016-06-13 18:50:00	1
## 38	2016-01-03 16:01:40	1
## 39	2016-01-12 10:07:29	1
## 40	2016-04-16 12:09:25	1
## 41	2016-05-13 06:09:28	1
## 42	2016-03-27 23:59:06	1
## 43	2016-06-14 11:59:58	1
## 44	2016-01-26 03:56:18	1
## 45	2016-02-07 08:02:31	1
## 46	2016-06-29 02:43:29	1
## 47	2016-03-24 06:36:52	1

## 48	2016-02-14 06:51:43	1
## 49	2016-01-29 03:54:19	1
## 50	2016-07-06 18:36:01	1
## 51	2016-01-25 07:39:41	1
## 52	2016-01-03 03:22:15	1
## 53	2016-02-04 08:53:37	1
## 54	2016-03-24 13:37:53	1
## 55	2016-06-26 17:16:26	1
## 56	2016-07-21 21:16:35	1
## 57	2016-07-09 11:04:54	1
## 58	2016-05-10 07:22:37	1
## 59	2016-06-16 02:01:24	1
## 60	2016-06-27 18:37:04	1
## 61	2016-02-03 04:21:14	1
## 62	2016-06-12 17:52:43	1
## 63	2016-01-11 07:36:22	1
## 64	2016-03-24 09:12:52	1
## 65	2016-06-18 17:56:32	1
## 66	2016-03-30 23:40:52	1
## 67	2016-03-16 07:59:37	1
## 68	2016-02-16 09:11:27	1
## 69	2016-04-15 06:08:35	1
## 70	2016-01-09 03:45:19	1
## 71	2016-02-10 15:23:17	1
## 72	2016-01-09 04:53:22	1
## 73	2016-06-11 08:38:16	1
## 74	2016-02-02 08:55:26	1
## 75	2016-04-13 05:42:52	1
## 76	2016-04-23 06:28:43	1
## 77	2016-01-05 00:02:53	1
## 78	2016-05-05 09:28:36	1
## 79	2016-05-21 01:36:16	1
## 80	2016-05-05 11:09:29	1
## 81	2016-05-30 07:36:31	1
## 82	2016-02-01 20:30:35	1
## 83	2016-01-23 17:39:06	1
## 84	2016-05-09 21:54:38	1
## 85	2016-06-13 13:59:51	1
## 86	2016-01-28 11:50:40	1
## 87	2016-03-24 02:01:55	1
## 88	2016-02-03 19:12:51	1
## 89	2016-07-15 09:08:42	1
## 90	2016-04-18 00:49:33	1
## 91	2016-05-25 20:10:02	1
## 92	2016-04-10 03:30:16	1
## 93	2016-02-09 07:21:25	1
## 94	2016-06-17 17:11:16	1
## 95	2016-01-28 07:10:29	1
## 96	2016-07-03 04:11:40	1
## 97	2016-04-08 22:48:25	1
## 98	2016-03-15 14:06:17	1
## 99	2016-01-15 19:40:47	1
## 100	2016-06-20 14:20:52	1
## 101	2016-03-10 23:26:54	1

## 102	2016-04-17 21:39:11	1
## 103	2016-06-29 21:39:42	1
## 104	2016-03-17 23:39:28	1
## 105	2016-06-28 12:51:02	1
## 106	2016-06-18 16:32:58	1
## 107	2016-07-16 23:08:54	1
## 108	2016-07-05 00:54:11	1
## 109	2016-05-16 14:50:22	1
## 110	2016-03-30 01:05:34	1
## 111	2016-05-26 13:43:05	1
## 112	2016-05-31 09:06:29	1
## 113	2016-02-20 10:52:51	1
## 114	2016-01-18 15:18:01	1
## 115	2016-05-31 06:21:02	1
## 116	2016-07-03 22:13:19	1
## 117	2016-03-10 01:36:19	1
## 118	2016-03-10 22:28:52	1
## 119	2016-06-11 09:37:52	1
## 120	2016-06-02 22:16:08	1
## 121	2016-04-30 19:42:04	1
## 122	2016-03-09 00:41:46	1
## 123	2016-06-28 09:19:06	1
## 124	2016-01-02 12:25:36	1
## 125	2016-05-13 11:57:12	1
## 126	2016-04-03 11:38:36	1
## 127	2016-04-08 14:35:44	1
## 128	2016-03-25 19:02:35	1
## 129	2016-05-27 05:35:27	1
## 130	2016-06-12 21:21:53	1
## 131	2016-01-07 13:58:51	1
## 132	2016-02-07 17:06:35	1
## 133	2016-03-24 09:34:00	1
## 134	2016-06-09 17:11:02	1
## 135	2016-04-12 12:35:39	1
## 136	2016-01-13 02:39:00	1
## 137	2016-06-18 16:02:34	1
## 138	2016-01-01 20:17:49	1
## 139	2016-05-08 22:24:27	1
## 140	2016-04-05 05:54:15	1
## 141	2016-04-04 22:00:15	1
## 142	2016-07-11 18:12:43	1
## 143	2016-02-14 10:06:49	1
## 144	2016-01-27 18:25:42	1
## 145	2016-04-21 18:31:27	1
## 146	2016-06-24 08:42:20	1
## 147	2016-05-27 18:45:35	0
## 148	2016-02-24 19:08:11	1
## 149	2016-04-27 18:25:30	1
## 150	2016-03-09 02:07:17	1
## 151	2016-01-09 17:33:03	1
## 152	2016-02-03 05:47:09	1
## 153	2016-01-29 05:39:16	1
## 154	2016-03-19 11:09:36	1
## 155	2016-05-18 03:19:03	1

## 156	2016-01-30 09:54:03	1
## 157	2016-04-07 10:51:05	1
## 158	2016-01-28 17:03:54	1
## 159	2016-06-20 04:24:41	1
## 160	2016-07-17 14:26:04	1
## 161	2016-03-01 22:06:37	1
## 162	2016-01-31 08:50:38	1
## 163	2016-01-13 20:38:35	1
## 164	2016-03-28 09:15:58	1
## 165	2016-06-23 11:05:01	1
## 166	2016-01-18 02:51:13	1
## 167	2016-06-20 08:34:46	1
## 168	2016-07-18 04:53:22	1
## 169	2016-07-01 01:12:04	1
## 170	2016-01-14 09:27:59	1
## 171	2016-07-16 10:14:04	1
## 172	2016-02-03 16:54:33	1
## 173	2016-06-18 22:31:22	1
## 174	2016-04-04 00:02:20	1
## 175	2016-06-22 05:22:58	1
## 176	2016-06-25 17:33:35	1
## 177	2016-01-23 21:15:57	1
## 178	2016-07-17 13:22:43	1
## 179	2016-05-04 05:01:37	1
## 180	2016-07-07 18:07:19	1
## 181	2016-05-12 12:11:12	1
## 182	2016-02-28 23:21:22	1
## 183	2016-02-11 20:45:46	1
## 184	2016-07-06 23:09:07	1
## 185	2016-03-22 19:14:47	0
## 186	2016-04-20 16:49:15	1
## 187	2016-03-17 22:24:02	1
## 188	2016-05-25 19:45:16	1
## 189	2016-02-12 08:46:15	1
## 190	2016-01-05 16:26:44	1
## 191	2016-06-20 08:22:09	0
## 192	2016-06-10 00:35:15	1
## 193	2016-01-04 00:44:57	1
## 194	2016-01-08 18:13:43	1
## 195	2016-06-29 10:50:45	1
## 196	2016-06-15 05:43:02	1
## 197	2016-05-02 18:37:01	1
## 198	2016-06-04 17:24:07	1
## 199	2016-05-19 06:37:38	1
## 200	2016-03-25 06:36:53	1
## 201	2016-04-22 00:28:18	1
## 202	2016-04-13 07:07:36	1
## 203	2016-04-07 20:38:02	1
## 204	2016-03-10 15:07:44	1
## 205	2016-05-01 08:27:12	1
## 206	2016-06-12 11:17:25	1
## 207	2016-03-18 09:08:39	1
## 208	2016-05-26 06:03:57	1
## 209	2016-07-06 03:40:17	1



##	210	2016-02-24	07:13:00	1
##	211	2016-03-31	08:53:43	1
##	212	2016-06-14	12:08:10	1
##	213	2016-01-21	23:33:22	1
##	214	2016-05-23	08:06:24	1
##	215	2016-02-28	03:34:35	1
##	216	2016-03-15	14:33:12	1
##	217	2016-03-03	20:20:32	1
##	218	2016-04-06	14:16:52	1
##	219	2016-05-25	00:34:59	1
##	220	2016-02-11	16:45:41	1
##	221	2016-04-23	03:46:34	1
##	222	2016-03-11	13:07:30	1
##	223	2016-03-09	06:22:03	1
##	224	2016-05-23	00:32:54	1
##	225	2016-05-15	18:44:50	1
##	226	2016-06-30	00:43:40	1
##	227	2016-02-24	06:17:18	1
##	228	2016-06-02	04:14:37	1
##	229	2016-05-27	12:45:37	1
##	230	2016-02-21	23:07:11	1
##	231	2016-04-29	14:08:26	1
##	232	2016-02-11	17:02:07	1
##	233	2016-07-22	07:44:43	1
##	234	2016-06-26	02:34:15	1
##	235	2016-03-20	02:44:13	1
##	236	2016-04-01	05:17:28	1
##	237	2016-03-21	11:02:49	1
##	238	2016-06-01	16:10:30	1
##	239	2016-03-26	15:28:07	1
##	240	2016-02-28	09:31:31	1
##	241	2016-03-06	23:26:44	1
##	242	2016-05-19	04:23:41	1
##	243	2016-04-29	20:40:21	1
##	244	2016-05-03	01:09:01	1
##	245	2016-06-27	21:51:47	1
##	246	2016-01-15	22:49:45	1
##	247	2016-02-12	03:39:09	1
##	248	2016-03-12	02:48:18	1
##	249	2016-02-04	03:10:17	1
##	250	2016-02-21	20:09:12	1
##	251	2016-01-03	04:39:47	1
##	252	2016-04-13	13:04:47	1
##	253	2016-03-27	08:32:37	1
##	254	2016-01-27	14:41:10	1
##	255	2016-05-16	18:51:59	1
##	256	2016-02-28	23:54:44	1
##	257	2016-06-13	06:11:33	1
##	258	2016-06-25	18:17:53	1
##	259	2016-04-20	13:36:42	1
##	260	2016-07-21	16:02:40	1
##	261	2016-04-22	02:07:01	1
##	262	2016-02-01	17:24:57	1

## 5. Conclusion

1. 262 individuals who are most likely to click on the ad have been selected.
2. Most individuals who clicked on the ad were below the age of 60.
3. Users who spent less time online were more likely to click on the ad than people who spent more time.
4. People from Australia, Ethiopia, Turkey and Liechtenstein had the highest click on the ad.

## 6. Recommendation

1. Client should focus on people who had a higher daily internet usage as they were likely to click on her ads.
2. Client could also try to reduce the price of the course, to attract more people.