Assignment

R Markdown

```
chooseCRANmirror(graphics = getOption("menu.graphics"), ind = 79,
                 local.only = FALSE)
 Data1 <- read.csv("Raw Data.csv")
 View(Data1)

 summary(Data1)
```

```
##      NAME              GENDER               AGE         OCCUPATION
##  Length:19          Length:19          Min.   :20.00   Length:19
##  Class :character   Class :character   1st Qu.:27.50   Class :character
##  Mode  :character   Mode  :character   Median :31.00   Mode  :character
##                                        Mean   :33.89
##                                        3rd Qu.:38.50
##                                        Max.   :69.00
##  ANNUAL.INCOME   SAMSUNG.SERIES         SERIES      SATISFIERD.YES.NO.
##  Min.   :10000   Length:19          Min.   : 1.00   Length:19
##  1st Qu.:50000   Class :character   1st Qu.: 5.00   Class :character
##  Median :50000   Mode  :character   Median : 6.00   Mode  :character
##  Mean   :55789                      Mean   :12.05
##  3rd Qu.:70000                      3rd Qu.:14.00
##  Max.   :90000                      Max.   :50.00
##    COMPLAINTS
##  Min.   :0.000
##  1st Qu.:0.000
##  Median :0.000
##  Mean   :1.211
##  3rd Qu.:2.000
##  Max.   :5.000
```

```
 install.packages("vcd")
```

```
## Installing package into 'C:/Users/pallavi/Documents/R/win-library/4.1'
## (as 'lib' is unspecified)
```

```
## package 'vcd' successfully unpacked and MD5 sums checked
##
## The downloaded binary packages are in
##  C:\Users\pallavi\AppData\Local\Temp\RtmpEHgFdz\downloaded_packages
```

```
  mean(Data1$AGE)
```

```
## [1] 33.89474
```

```
    median(Data1$AGE)
```

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

```
     mode(Data1$AGE)
```

```
## [1] "numeric"
```

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

```
## Installing package into 'C:/Users/pallavi/Documents/R/win-library/4.1'
## (as 'lib' is unspecified)
```

```
## package 'dplyr' successfully unpacked and MD5 sums checked
```

```
## Warning: cannot remove prior installation of package 'dplyr'
```

```
## Warning in file.copy(savedcopy, lib, recursive = TRUE): problem copying C:
## \Users\pallavi\Documents\R\win-library\4.1\00LOCK\dplyr\libs\x64\dplyr.dll to C:
## \Users\pallavi\Documents\R\win-library\4.1\dplyr\libs\x64\dplyr.dll: Permission
## denied
```

```
## Warning: restored 'dplyr'
```

```
##
## The downloaded binary packages are in
##  C:\Users\pallavi\AppData\Local\Temp\RtmpEHgFdz\downloaded_packages
```

```
    library(dplyr)
```

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

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

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

```
    select(Data1, AGE:SERIES)
```

```
##    AGE   OCCUPATION ANNUAL.INCOME SAMSUNG.SERIES SERIES
## 1   42       DOCTOR         40000        GALAXY       1
## 2   35      TEACHER         50000         GALAXY      4
## 3   29     ENGINEER         50000         GALAXY      2
## 4   31 BUSINESS MAN         50000         GALAXY      5
## 5   44       LAWYER         50000         GALAXY      5
## 6   25      STUDENT         50000         GALAXY      5
## 7   38      MANAGER         50000         GALAXY      5
## 8   20        COACH         50000         GALAXY      5
## 9   39           HR         90000         GALAXY      5
## 10  24      STUDENT         10000           NOTE      6
## 11  26      MANAGER         90000           NOTE     20
## 12  29        COACH         50000           NOTE      6
## 13  31           HR         50000       S Series      6
## 14  69     RETIRED          10000       S Series      8
## 15  38      TEACHER         50000       S Series      6
## 16  27     ENGINEER         50000       A Series     20
## 17  39 BUSINESS MAN         90000       A Series     50
## 18  30       LAWYER         90000       A Series     20
## 19  28           HR         90000       A Series     50
```

```
    filter(Data1, AGE==21)
```

```
## [1] NAME              GENDER            AGE               OCCUPATION
## [5] ANNUAL.INCOME     SAMSUNG.SERIES    SERIES            SATISFIERD.YES.NO.
## [9] COMPLAINTS
## <0 rows> (or 0-length row.names)
```

```
    filter(Data1, SERIES==5)
```

```
##        NAME GENDER AGE   OCCUPATION ANNUAL.INCOME SAMSUNG.SERIES SERIES
## 1     VIJAY   MALE  31 BUSINESS MAN         50000         GALAXY      5
## 2 YASHWABTH   MALE  44       LAWYER         50000         GALAXY      5
## 3    LAHARI FEMALE  25      STUDENT         50000         GALAXY      5
## 4    SRIJAN   MALE  38      MANAGER         50000         GALAXY      5
## 5  SAMHITHA FEMALE  20        COACH         50000         GALAXY      5
## 6    MUKESH   MALE  39           HR         90000         GALAXY      5
##   SATISFIERD.YES.NO. COMPLAINTS
## 1                YES          4
## 2                YES          2
## 3                YES          2
## 4                YES          0
## 5                YES          0
## 6                YES          1
```

```
    arrange(Data1, GENDER)
```

```
##         NAME GENDER AGE   OCCUPATION ANNUAL.INCOME SAMSUNG.SERIES SERIES
## 1     LAHARI FEMALE  25      STUDENT         50000         GALAXY      5
## 2   SAMHITHA FEMALE  20        COACH         50000         GALAXY      5
## 3      DYANA FEMALE  24      STUDENT         10000           NOTE      6
## 4    NIYANTH FEMALE  29        COACH         50000           NOTE      6
## 5     AARYAN FEMALE  31           HR         50000       S Series      6
## 6   SHANAYYA FEMALE  69     RETIRED          10000       S Series      8
## 7    SHRUTHI FEMALE  27     ENGINEER         50000       A Series     20
## 8    SUBHANA FEMALE  28           HR         90000       A Series     50
## 9    SHARATH   MALE  42       DOCTOR         40000        GALAXY       1
## 10     RIVAN   MALE  35      TEACHER         50000         GALAXY      4
## 11    ROHITH   MALE  29     ENGINEER         50000         GALAXY      2
## 12     VIJAY   MALE  31 BUSINESS MAN         50000         GALAXY      5
## 13 YASHWABTH   MALE  44       LAWYER         50000         GALAXY      5
## 14    SRIJAN   MALE  38      MANAGER         50000         GALAXY      5
## 15    MUKESH   MALE  39           HR         90000         GALAXY      5
## 16     KUMAR   MALE  26      MANAGER         90000           NOTE     20
## 17    RIZWAN   MALE  38      TEACHER         50000       S Series      6
## 18    MAANAS   MALE  39 BUSINESS MAN         90000       A Series     50
## 19    NADEEM   MALE  30       LAWYER         90000       A Series     20
##    SATISFIERD.YES.NO. COMPLAINTS
## 1                 YES          2
## 2                 YES          0
## 3                 YES          0
## 4                  NO          3
## 5                 YES          5
## 6                 YES          0
## 7                 YES          5
## 8                  NO          0
## 9                 YES          0
## 10                 NO          0
## 11                YES          0
## 12                YES          4
## 13                YES          2
## 14                YES          0
## 15                YES          1
## 16                YES          0
## 17                YES          0
## 18                 NO          1
## 19                 NO          0
```

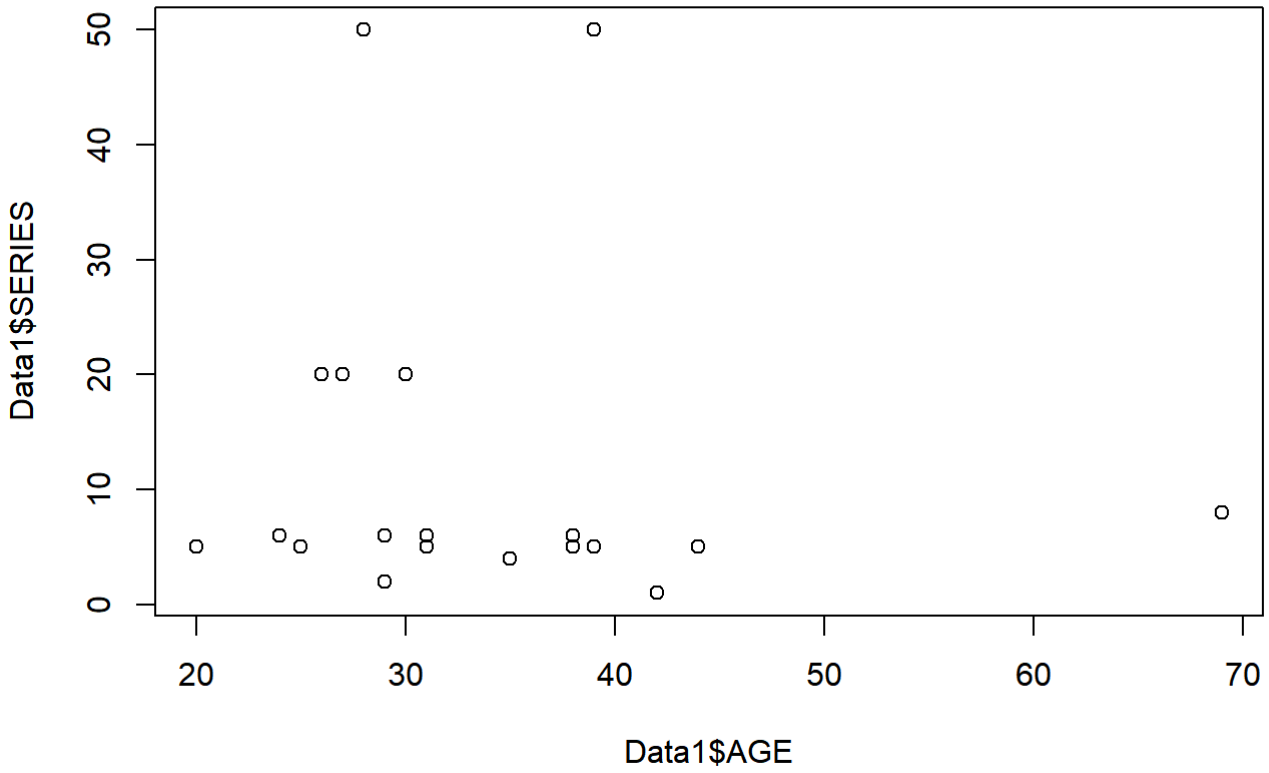
```
summary(Data1)
```

```
##      NAME              GENDER               AGE         OCCUPATION
##  Length:19          Length:19          Min.   :20.00   Length:19
##  Class :character   Class :character   1st Qu.:27.50   Class :character
##  Mode  :character   Mode  :character   Median :31.00   Mode  :character
##                                        Mean   :33.89
##                                        3rd Qu.:38.50
##                                        Max.   :69.00
##  ANNUAL.INCOME   SAMSUNG.SERIES         SERIES      SATISFIERD.YES.NO.
##  Min.   :10000   Length:19          Min.   : 1.00   Length:19
##  1st Qu.:50000   Class :character   1st Qu.: 5.00   Class :character
##  Median :50000   Mode  :character   Median : 6.00   Mode  :character
##  Mean   :55789                      Mean   :12.05
##  3rd Qu.:70000                      3rd Qu.:14.00
##  Max.   :90000                      Max.   :50.00
##    COMPLAINTS
##  Min.   :0.000
##  1st Qu.:0.000
##  Median :0.000
##  Mean   :1.211
##  3rd Qu.:2.000
##  Max.   :5.000
```

Including Plots

You can also embed plots, for example:

```
plot(Data1$AGE,Data1$SERIES)
```



```
plot(Data1$AGE,Data1$COMPLAINTS)
```