

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\RtmpYH99Cs\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\RtmpYH99Cs\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			

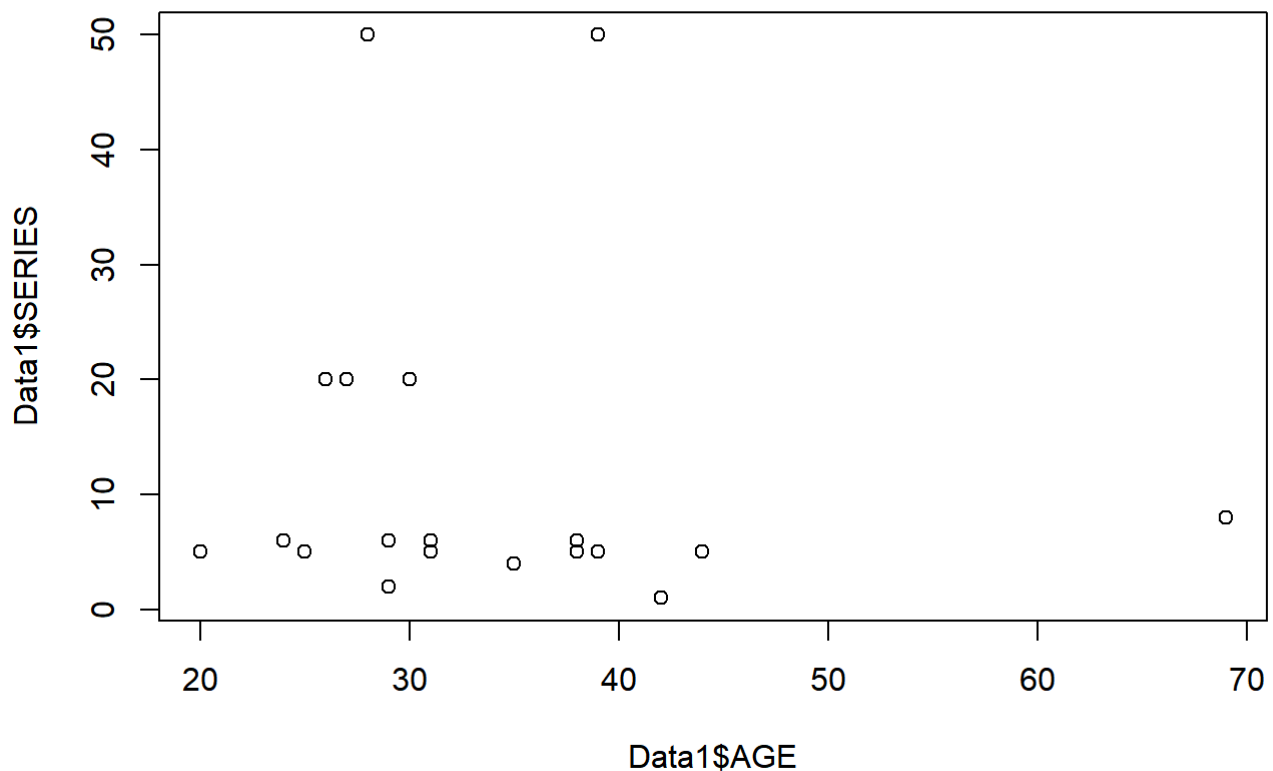
```
summary(Data1)
```

```
##      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.
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## Max.   :90000                                     Max.   :50.00
## COMPLAINTS
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## 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)
```

