

NAME:- KULDEEP SINGH RANA

COURSE:- MCA-1 SEM.

SECTION:-B

UNIVERSITY ROLL NO.:- 2101102

SUBJECT:- R and Scripting practical.

Q3:-

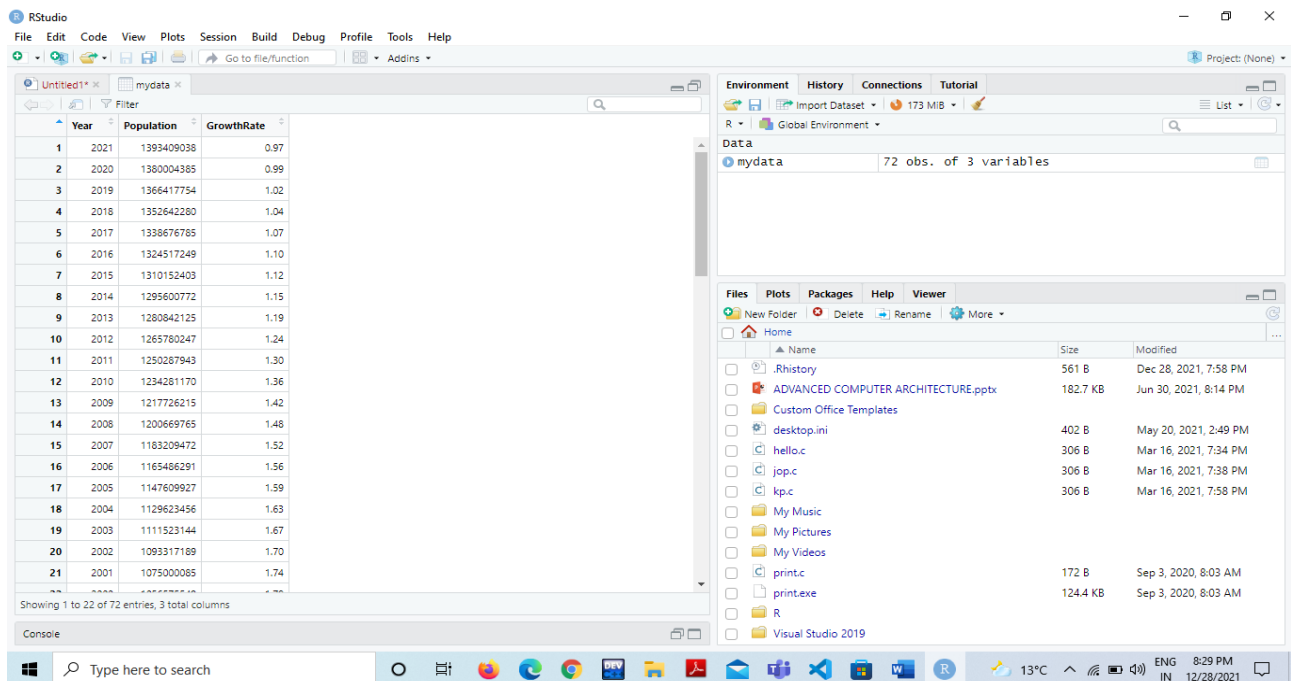
- **Setting of Working Directory**

```
setwd("C:/new")
```

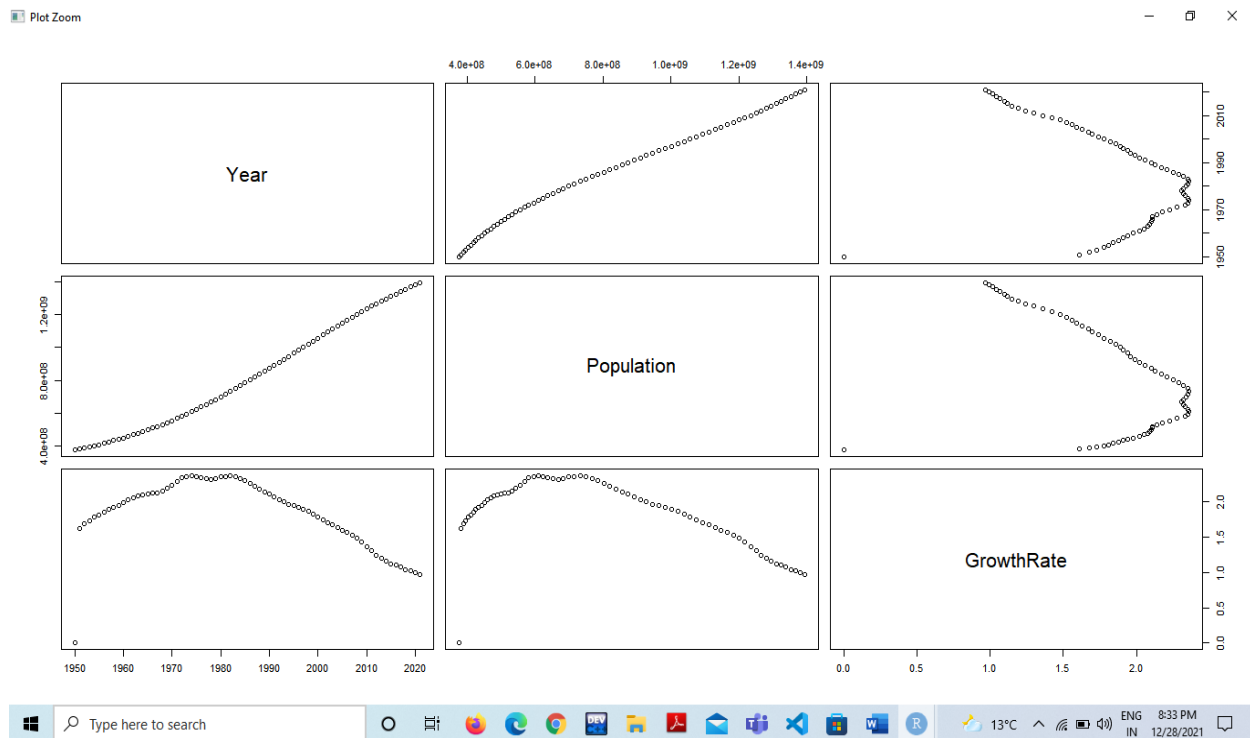
- **Reading of .csv file**

```
mydata<-read.csv("ap.csv")
```

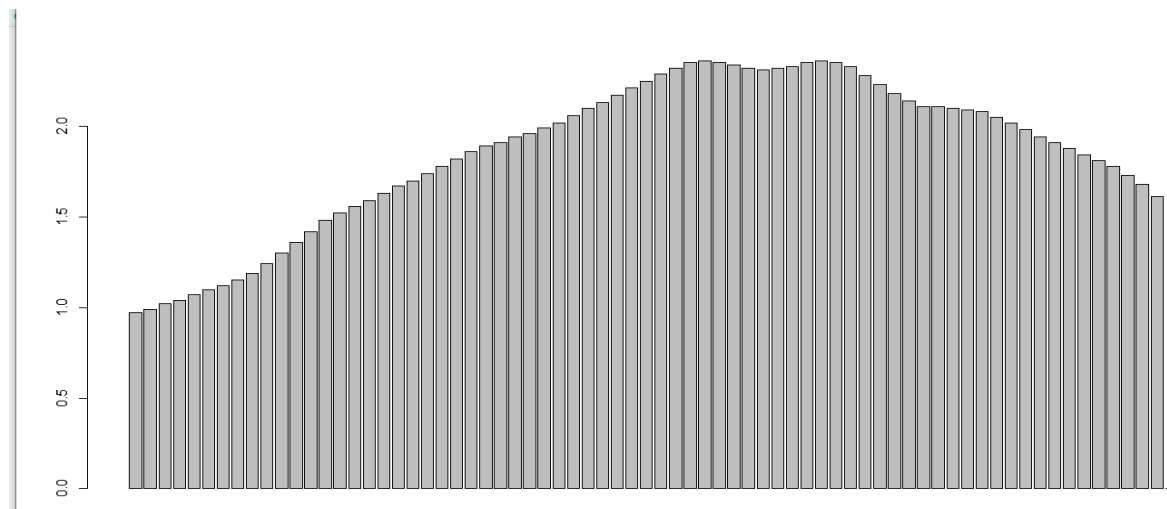
```
View(mydata)
```



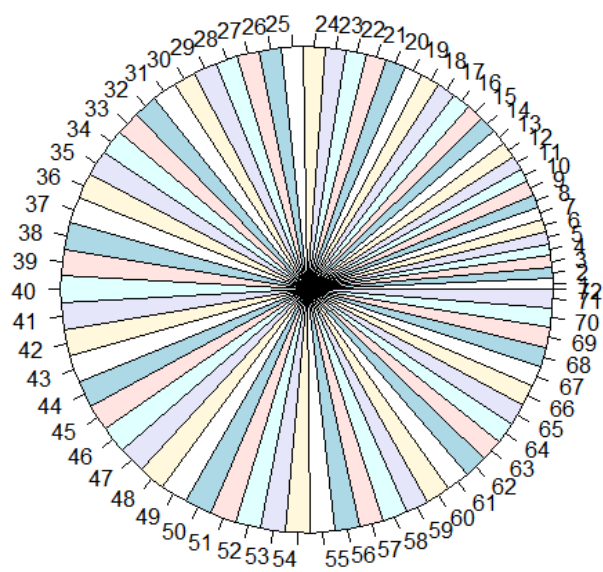
Plot(mydata):-



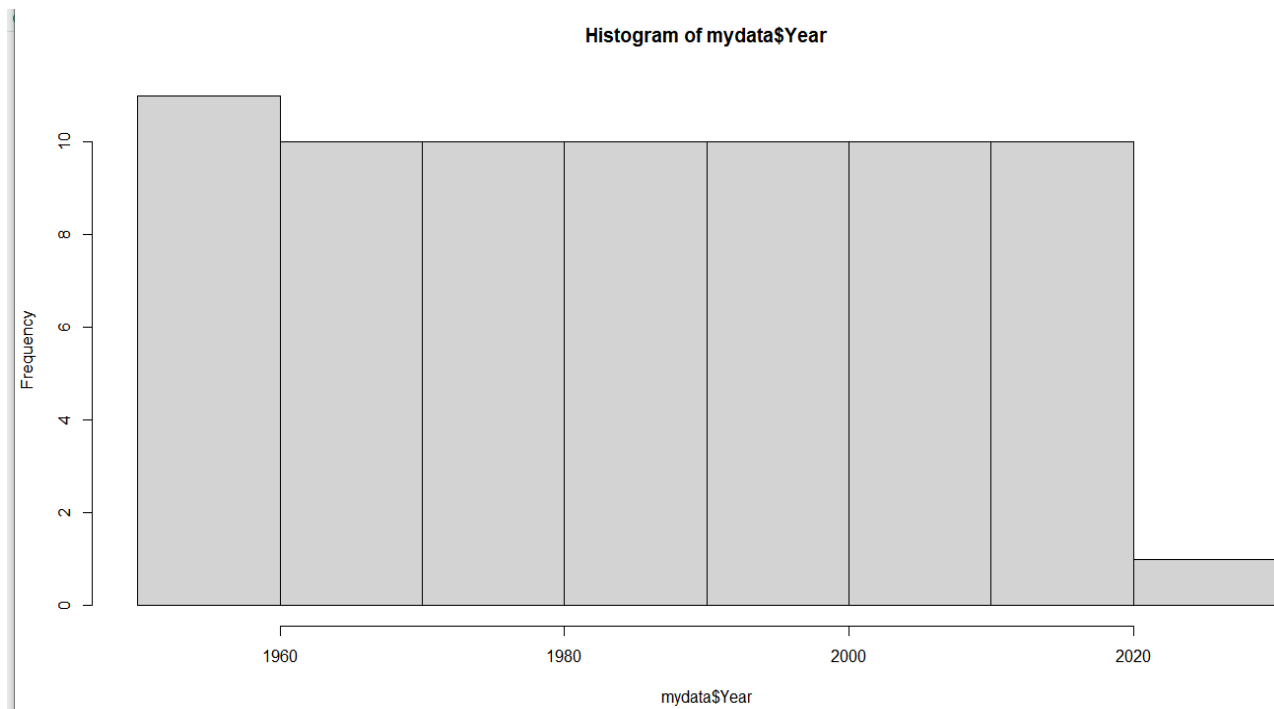
- `barplot(mydata$GrowthRate)`



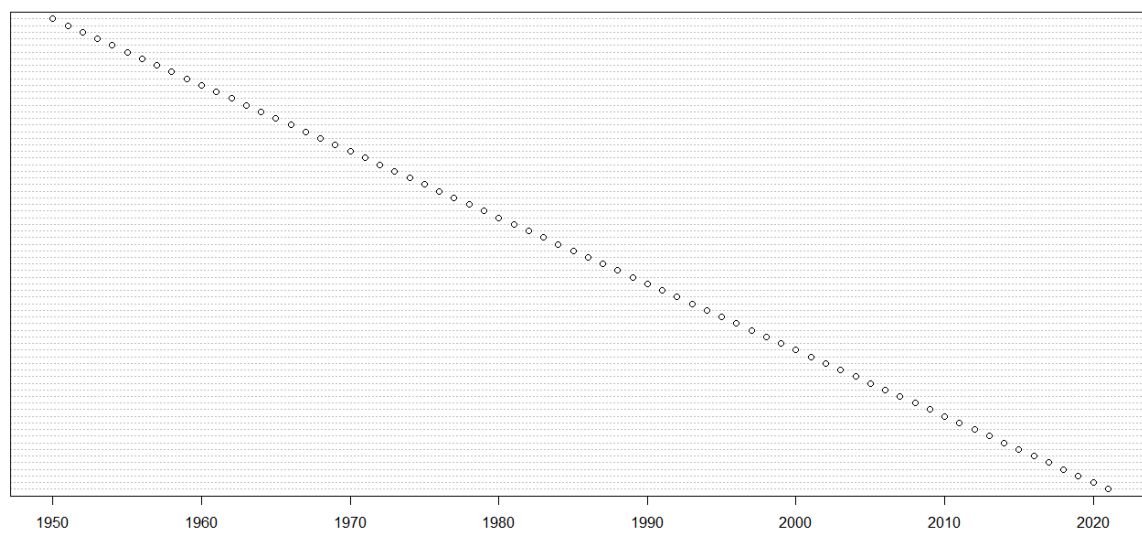
- `pie(mydata$GrowthRate)`



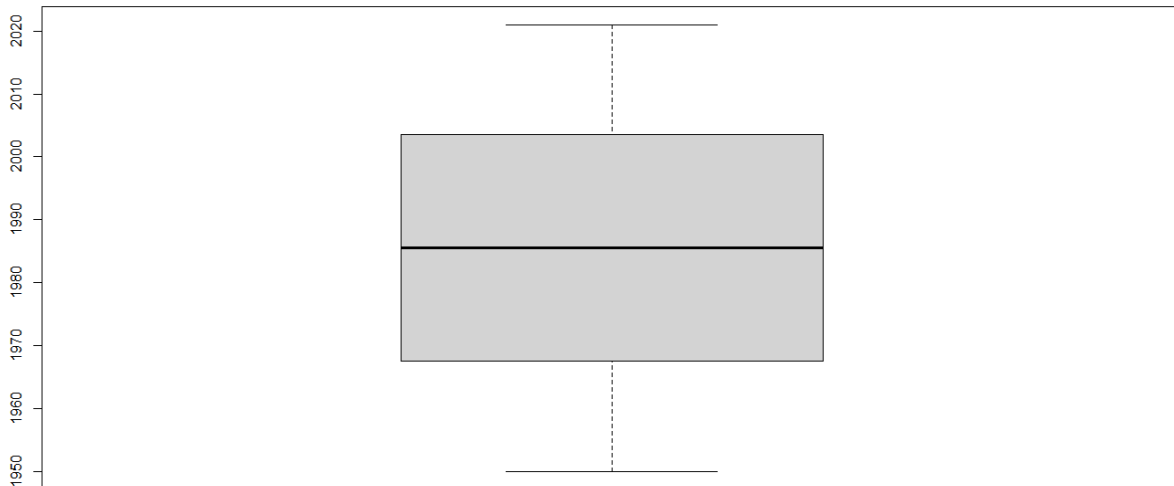
- `hist(mydata$Year)`



- **dotchart(mydata\$Year)**



- **boxplot(mydata\$Year)**



Q4:-

SOME QUANTITATIVE DATA

- **Minimum**

`min(mydata$Year)`

- **Maximum**

`max(mydata$Year)`

- **Mean**

`mean(mydata$Year)`

- **Median**

`median(mydata$Year)`

- **Quantile**

`quantile(mydata$GrowthRate,0.25)`

```
quantile(mydata$GrowthRate,0.75)
```

- **Summary**

```
summary(mydata)
```

RStudio

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Go to file/function Addins

Untitled1* mydata

```
1 library(dplyr)
2 setwd("C:/new")
3 mydata<-read.csv("ap.csv")
4 view(mydata)
5 plot(mydata)
6 barplot(mydata$GrowthRate)
7 pie(mydata$GrowthRate)
8 min(mydata$Year)
9 max(mydata$Year)
10 mean(mydata$Year)
11 median(mydata$Year)
12 sd(mydata$GrowthRate)
13 var(mydata$GrowthRate)
14 hist(mydata$Year)
15 dotchart(mydata$Year)
16 boxplot(mydata$Year)
17 quantile(mydata$GrowthRate,0.25)
18 quantile(mydata$GrowthRate,0.75)
19 summary(mydata)
```

1:1 (Top Level) R Script

Console Terminal Jobs

```
R 4.1.1 C:/new/
> view(mydata)
> plot(mydata)
> barplot(mydata$GrowthRate)
> pie(mydata$GrowthRate)
> min(mydata$Year)
[1] 1950
> max(mydata$Year)
[1] 2021
> mean(mydata$Year)
[1] 1985.5
> median(mydata$Year)
[1] 1985.5
> sd(mydata$GrowthRate)
[1] 0.467103
```

RStudio

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Go to file/function Addins

Untitled1* mydata

```
1 library(dplyr)
2 setwd("C:/new")
3 mydata<-read.csv("ap.csv")
4 view(mydata)
5 plot(mydata)
6 barplot(mydata$GrowthRate)
7 pie(mydata$GrowthRate)
8 min(mydata$Year)
9 max(mydata$Year)
10 mean(mydata$Year)
11 median(mydata$Year)
12 sd(mydata$GrowthRate)
13 var(mydata$GrowthRate)
14 hist(mydata$Year)
15 dotchart(mydata$Year)
16 boxplot(mydata$Year)
17 quantile(mydata$GrowthRate,0.25)
18 quantile(mydata$GrowthRate,0.75)
19 summary(mydata)
```

1:15 (Top Level) R Script

Console Terminal Jobs

```
R 4.1.1 C:/new/
> summary(mydata)
      Year      Population      GrowthRate
Min.   :1950   Min.   :3.763e+08   Min.   :0.000
1st Qu.:1968   1st Qu.:5.287e+08   1st Qu.:1.605
Median :1986   Median :7.932e+08   Median :1.940
Mean   :1986   Mean   :8.289e+08   Mean   :1.836
3rd Qu.:2003   3rd Qu.:1.116e+09   3rd Qu.:2.188
Max.   :2021   Max.   :1.393e+09   Max.   :2.360
```

