Assignment 1

Hanish

1/30/2022

```
#Reference

#https://www.kaggle.com/tejashvi14/employee-future-prediction

data1 = read.csv("C:/Users/Hanish Bhogadi/Desktop/Employees data.csv")
data1
```

```
##    Education JoiningYear      City PaymentTier Age Gender EverBenched
## 1  Bachelors        2017 Bangalore           3  34   Male          No
## 2  Bachelors        2013      Pune           1  28 Female          No
## 3  Bachelors        2014 New Delhi           3  38 Female          No
## 4    Masters        2016 Bangalore           3  27   Male          No
## 5    Masters        2017      Pune           3  24   Male         Yes
## 6  Bachelors        2016 Bangalore           3  22   Male          No
## 7  Bachelors        2015 New Delhi           3  38   Male          No
## 8  Bachelors        2016 Bangalore           3  34 Female          No
## 9  Bachelors        2016      Pune           3  23   Male          No
## 10   Masters        2017 New Delhi           2  37   Male          No
## 11   Masters        2012 Bangalore           3  27   Male          No
## 12 Bachelors        2016      Pune           3  34   Male          No
## 13 Bachelors        2018      Pune           3  32   Male         Yes
## 14 Bachelors        2016 Bangalore           3  39   Male          No
##    ExperienceInCurrentDomain LeaveOrNot
## 1                          0          0
## 2                          3          1
## 3                          2          0
## 4                          5          1
## 5                          2          1
## 6                          0          0
## 7                          0          0
## 8                          2          1
## 9                          1          0
## 10                         2          0
## 11                         5          1
## 12                         3          0
## 13                         5          1
## 14                         2          0
```

```
#ABOVE IS THE DATA USED FOR THE ASSIGNMENT
#Quantitative Descriptive Statistics
```

```r
mean(data1$Age)
```

```
## [1] 31.21429
```

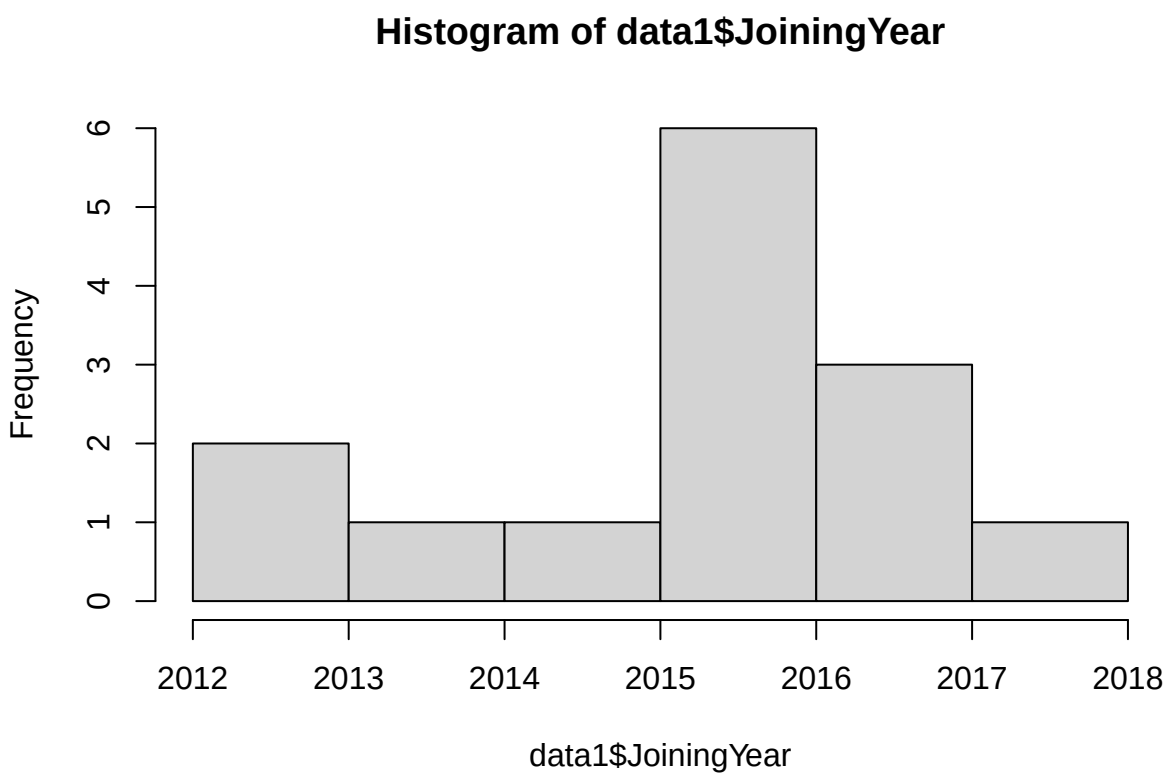
```r
#ABOVE IS THE MEAN OF THE AGE COLUMN IN THE DATA
#Categorical Variables
table(data1$City)
```

```
##
## Bangalore New Delhi      Pune
##         6         3         5
```

```r
data1$Age_mode = median(data1$Age)* median(data1$Age)*median(data1$Age) - mean(data1$Age)* mean(data1$Ag
data1$Age_mode
```

```
##  [1] 34962.67 34962.67 34962.67 34962.67 34962.67 34962.67 34962.67 34962.67
##  [9] 34962.67 34962.67 34962.67 34962.67 34962.67 34962.67 34962.67
```

```r
#Below is the Histogram of Quantitative Variable
hist(data1$JoiningYear)
```



```r
#Below is the Scatter plot
x <- data1$Age
y <- data1$JoiningYear
plot(x,y, main = "Age and year", xlab = "Age", ylab = "Year")
```