FML_ASSIGNEMENT_001

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```
knitr::opts_chunk$set(echo = TRUE)
```

```
##Assignment-1
##FML
##Shreya Thodupunuri-811301506

data("iris")
View(iris)

#The following are the Statistical Measures.

#Mean
mean(iris$Sepal.Length)
```

```
## [1] 5.843333
```

```
#Median
median(iris$Sepal.Length)
```

```
## [1] 5.8
```

```
#Mode
mode<-function(x){
  n<-table(iris)
  which.max(n)
}

mode(iris$Sepal.Length)
```

```
## [1] 2064246
```

```
#Variance
var(iris$Sepal.Length)
```

```
## [1] 0.6856935
```

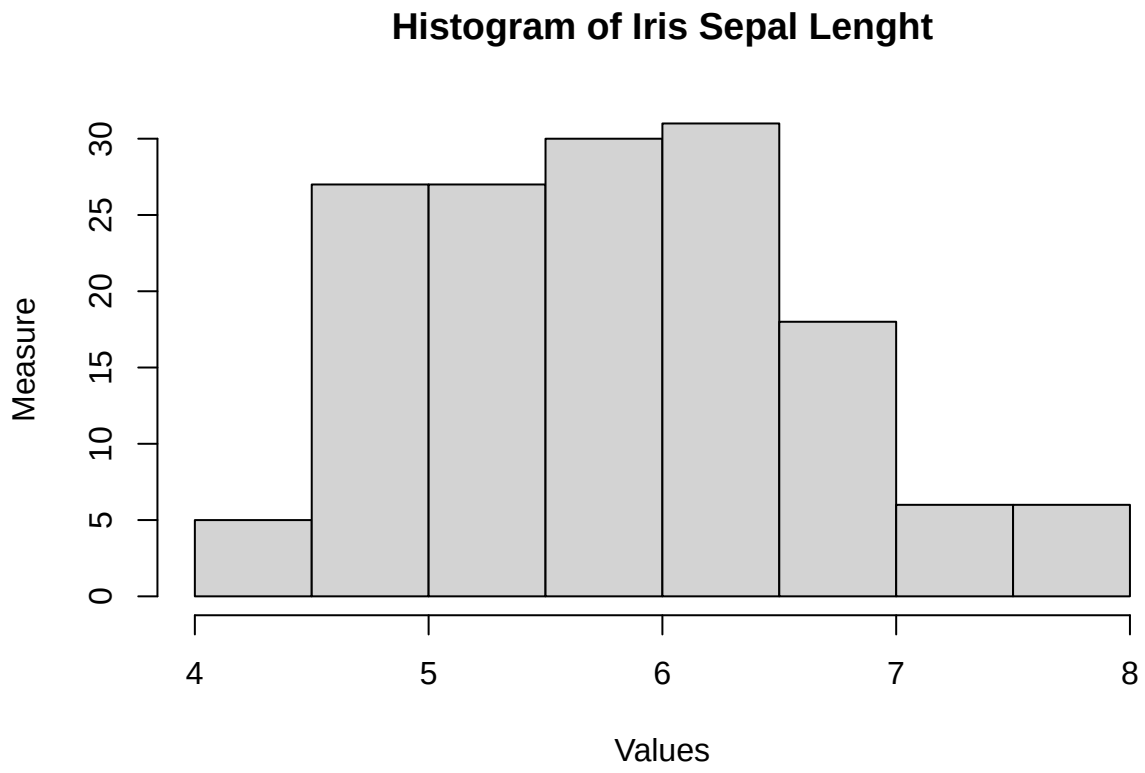
```
#Range
range(iris$Sepal.Length)
```

```
## [1] 4.3 7.9
```

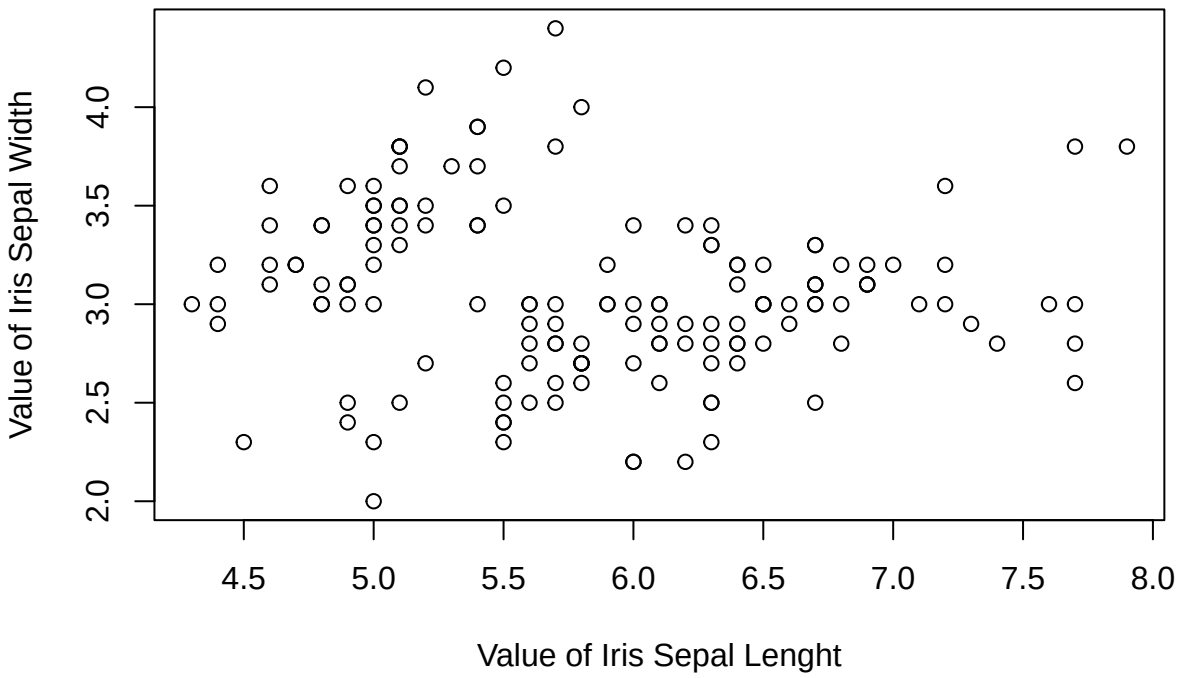
```
#Standard Deviation
sd(iris$Sepal.Length)
```

```
## [1] 0.8280661
```

```
#Histogram
hist(iris$Sepal.Length,main = "Histogram of Iris Sepal Lenght",xlab = "Values",ylab = "Measure")
```




```
#Scatter Plot
x = iris$Sepal.Length
y = iris$Sepal.Width
plot(x,y, main = " IRIS", xlab = "Value of Iris Sepal Lenght", ylab = "Value of Iris Sepal Width")
```


IRIS
Value of Iris Sepal Width
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
Value of Iris Sepal Lenght