```r
#Importing dataset iris
data("iris")
head(iris)
```

```
##   Sepal.Length Sepal.Width Petal.Length Petal.Width Species
## 1          5.1         3.5          1.4         0.2  setosa
## 2          4.9         3.0          1.4         0.2  setosa
## 3          4.7         3.2          1.3         0.2  setosa
## 4          4.6         3.1          1.5         0.2  setosa
## 5          5.0         3.6          1.4         0.2  setosa
## 6          5.4         3.9          1.7         0.4  setosa
```

```r
# The descriptive statistics for some of the quantitative variables


summary(iris)
```

```
##   Sepal.Length    Sepal.Width     Petal.Length    Petal.Width
##  Min.   :4.300   Min.   :2.000   Min.   :1.000   Min.   :0.100
##  1st Qu.:5.100   1st Qu.:2.800   1st Qu.:1.600   1st Qu.:0.300
##  Median :5.800   Median :3.000   Median :4.350   Median :1.300
##  Mean   :5.843   Mean   :3.057   Mean   :3.758   Mean   :1.199
##  3rd Qu.:6.400   3rd Qu.:3.300   3rd Qu.:5.100   3rd Qu.:1.800
##  Max.   :7.900   Max.   :4.400   Max.   :6.900   Max.   :2.500
##        Species
##  setosa    :50
##  versicolor:50
##  virginica :50
##
##
##
```

```r
# The frequencies of the qualitative variables
# For selecting a particular variable we use '$' symbol.

table(iris$Species)
```

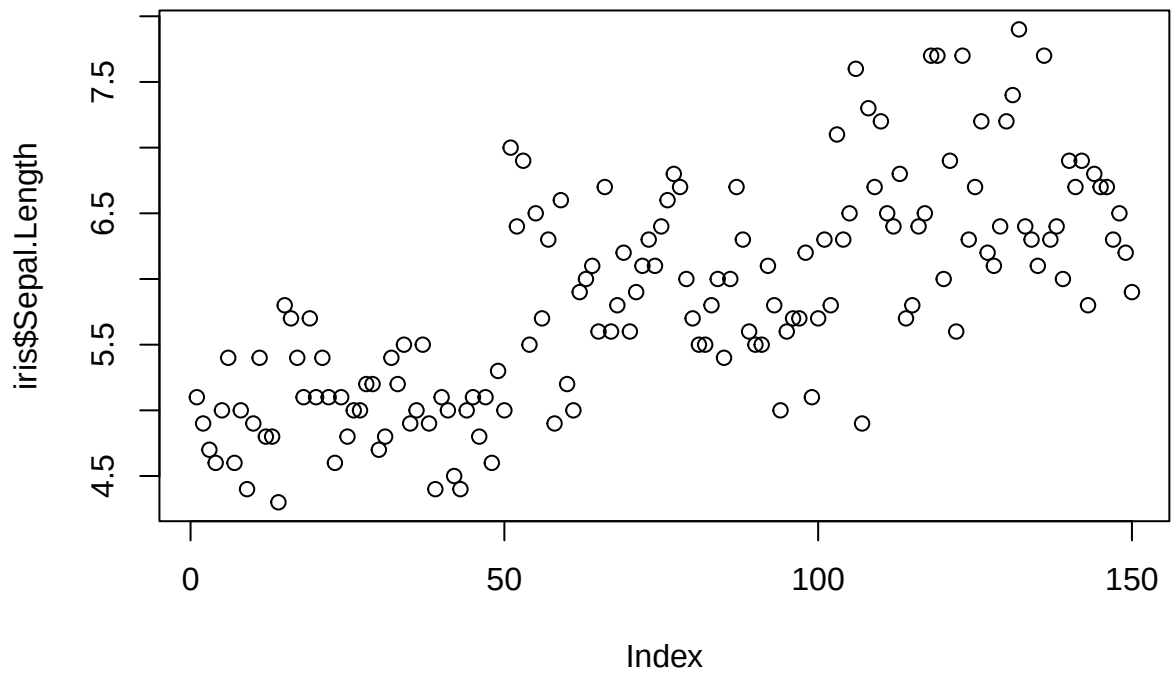
```
##
##     setosa versicolor  virginica
##         50         50         50
```

```r
#Descriptive statistics for quantitative and qualitative variables

#We use descriptive statistics to determine the mean, median, mode, and standard deviation for quantita


log(iris$Sepal.Length)
```

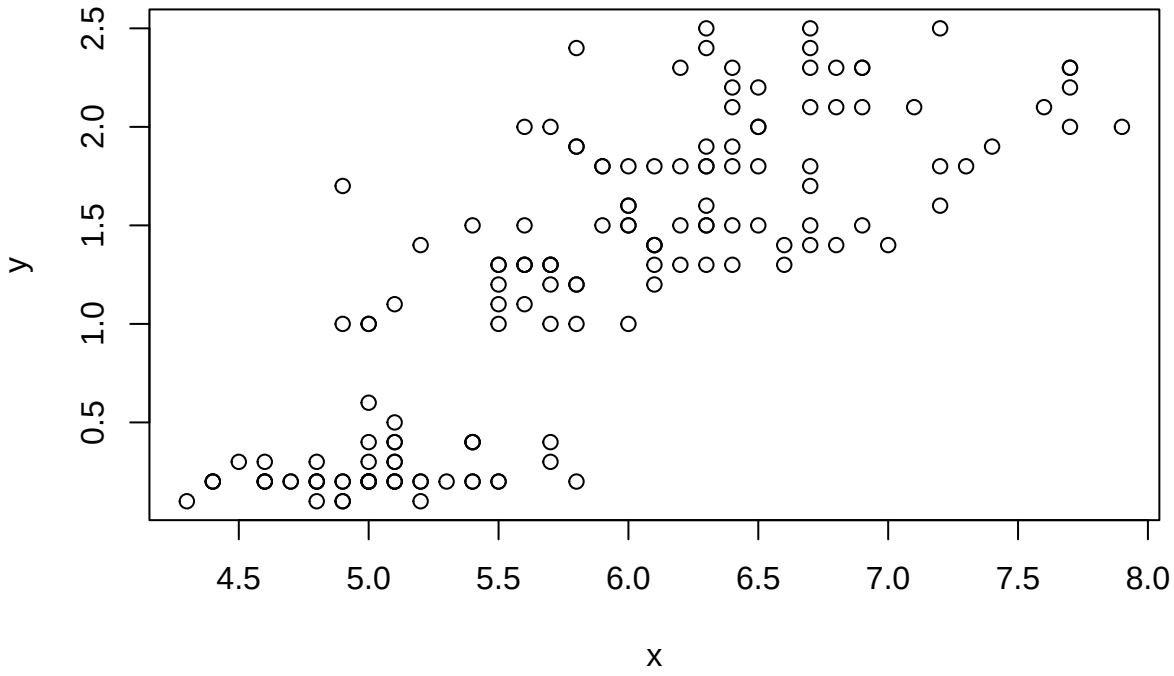
```
##   [1] 1.629241 1.589235 1.547563 1.526056 1.609438 1.686399 1.526056 1.609438
##   [9] 1.481605 1.589235 1.686399 1.568616 1.568616 1.458615 1.757858 1.740466
##  [17] 1.686399 1.629241 1.740466 1.629241 1.686399 1.629241 1.526056 1.629241
```

```
##  [25] 1.568616 1.609438 1.609438 1.648659 1.648659 1.547563 1.568616 1.686399
##  [33] 1.648659 1.704748 1.589235 1.609438 1.704748 1.589235 1.481605 1.629241
##  [41] 1.609438 1.504077 1.481605 1.609438 1.629241 1.568616 1.629241 1.526056
##  [49] 1.667707 1.609438 1.945910 1.856298 1.931521 1.704748 1.871802 1.740466
##  [57] 1.840550 1.589235 1.887070 1.648659 1.609438 1.774952 1.791759 1.808289
##  [65] 1.722767 1.902108 1.722767 1.757858 1.824549 1.722767 1.774952 1.808289
##  [73] 1.840550 1.808289 1.856298 1.887070 1.916923 1.902108 1.791759 1.740466
##  [81] 1.704748 1.704748 1.757858 1.791759 1.686399 1.791759 1.902108 1.840550
##  [89] 1.722767 1.704748 1.704748 1.808289 1.757858 1.609438 1.722767 1.740466
##  [97] 1.740466 1.824549 1.629241 1.740466 1.840550 1.757858 1.960095 1.840550
## [105] 1.871802 2.028148 1.589235 1.987874 1.902108 1.974081 1.871802 1.856298
## [113] 1.916923 1.740466 1.757858 1.856298 1.871802 2.041220 2.041220 1.791759
## [121] 1.931521 1.722767 2.041220 1.840550 1.902108 1.974081 1.824549 1.808289
## [129] 1.856298 1.974081 2.001480 2.066863 1.856298 1.840550 1.808289 2.041220
## [137] 1.840550 1.856298 1.791759 1.931521 1.902108 1.931521 1.757858 1.916923
## [145] 1.902108 1.902108 1.840550 1.871802 1.824549 1.774952
```

```r
# Here i'm selecting the SepalLengthCm variable
#Plotting technique using plot()

plot(iris$Sepal.Length)
```




```r
x=(iris$Sepal.Length)
y=(iris$Petal.Width)
plot(x,y)
```


y
0.5
1.0
1.5
2.0
2.5
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
x