## Module1

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3/27/2022

## 6 Libraries

## 5

```
data(iris)
head(iris, n = 5)
     Sepal.Length Sepal.Width Petal.Length Petal.Width Species
## 1
              5.1
                          3.5
                                       1.4
                                                    0.2 setosa
## 2
                          3.0
              4.9
                                       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
```

0.2 setosa

1.4

There are 5 attributes and 150 observations from the dataset.

3.6

5.0

any(is.na(petal\_length) == TRUE)

```
petal_length <- iris$Petal.Length
petal_length

## [1] 1.4 1.4 1.3 1.5 1.4 1.7 1.4 1.5 1.4 1.5 1.5 1.6 1.4 1.1 1.2 1.5 1.3 1.4

## [19] 1.7 1.5 1.7 1.5 1.0 1.7 1.9 1.6 1.6 1.5 1.4 1.6 1.6 1.5 1.5 1.4 1.5 1.2

## [37] 1.3 1.4 1.3 1.5 1.3 1.3 1.3 1.6 1.9 1.4 1.6 1.4 1.5 1.4 4.7 4.5 4.9 4.0

## [55] 4.6 4.5 4.7 3.3 4.6 3.9 3.5 4.2 4.0 4.7 3.6 4.4 4.5 4.1 4.5 3.9 4.8 4.0

## [73] 4.9 4.7 4.3 4.4 4.8 5.0 4.5 3.5 3.8 3.7 3.9 5.1 4.5 4.5 4.7 4.4 4.1 4.0

## [91] 4.4 4.6 4.0 3.3 4.2 4.2 4.2 4.3 3.0 4.1 6.0 5.1 5.9 5.6 5.8 6.6 4.5 6.3

## [109] 5.8 6.1 5.1 5.3 5.5 5.0 5.1 5.3 5.5 6.7 6.9 5.0 5.7 4.9 6.7 4.9 5.7 6.0

## [127] 4.8 4.9 5.6 5.8 6.1 6.4 5.6 5.1 5.6 6.1 5.6 5.5 4.8 5.4 5.6 5.1 5.1 5.9

## [145] 5.7 5.2 5.0 5.2 5.4 5.1</pre>
```

## ## [1] FALSE

There are no missing values because none of the values are NA.

```
## [1] 50
```

50 values are assigned "Short".