Iris Analysis

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# Introduction:

This dataset is derived from [Fisher’s](https://en.wikipedia.org/wiki/Iris_flower_data_set) findings. it’s a pretty tiny dataset that includes measurements of *Iris* flowers across three species. The purpose of this report is to practice R,ggplot2 and rmarkdown basics.

# Dataset structure and notes:

## 'data.frame': 150 obs. of 5 variables:  
## $ Sepal.Length: num 5.1 4.9 4.7 4.6 5 5.4 4.6 5 4.4 4.9 ...  
## $ Sepal.Width : num 3.5 3 3.2 3.1 3.6 3.9 3.4 3.4 2.9 3.1 ...  
## $ Petal.Length: num 1.4 1.4 1.3 1.5 1.4 1.7 1.4 1.5 1.4 1.5 ...  
## $ Petal.Width : num 0.2 0.2 0.2 0.2 0.2 0.4 0.3 0.2 0.2 0.1 ...  
## $ Species : Factor w/ 3 levels "setosa","versicolor",..: 1 1 1 1 1 1 1 1 1 1 ...

As seen, the dataset has an explicit structure of:

|  |  |
| --- | --- |
| Variable | Data type |
| Sepal.Length | Double |
| Sepal.Width | Double |
| Petal.Length | Double |
| Petal.Width | Double |
| Species | Factor |

The measurements are in **centimeters**

# Visuals:

