#### Lattice

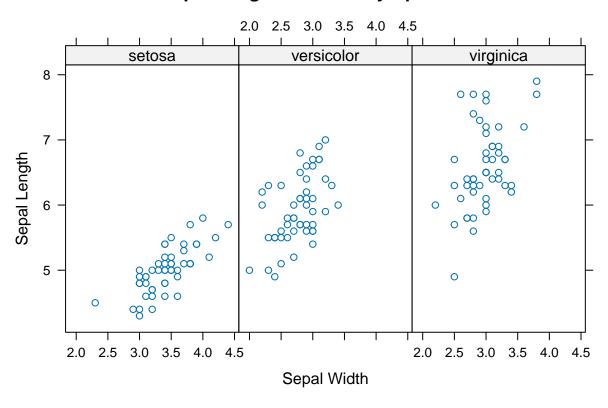
Sadaf Zuhra

2024-09-27

```
library(readxl)
library(tidyverse)
library(lattice)
data("iris")
```

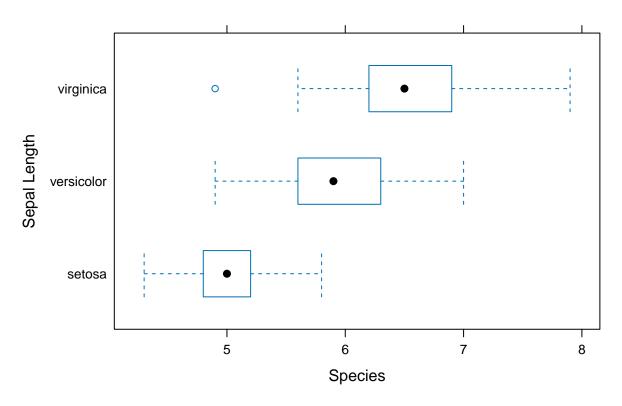
#### Scatter plot—-

## **Sepal Length vs Width by Species**



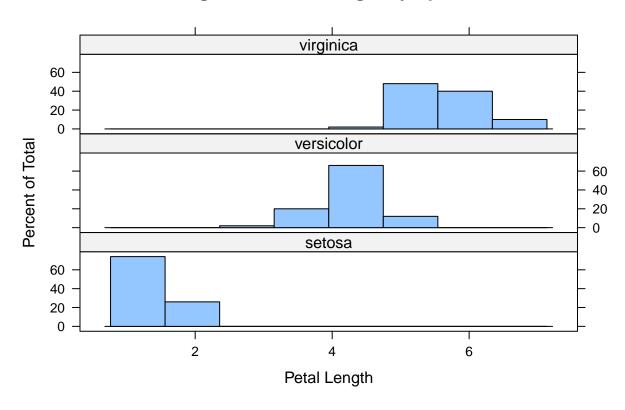
### Box plot—-

## **Box Plot of Sepal Length by Species**



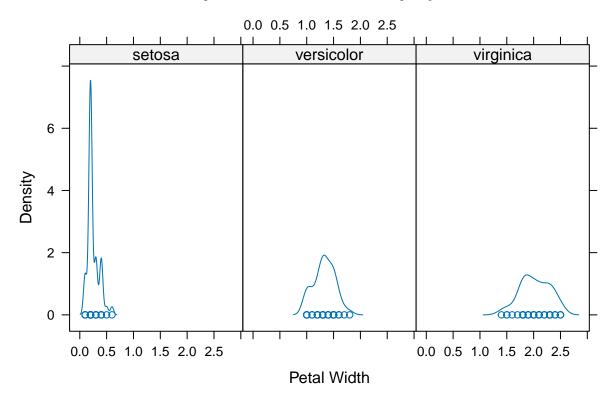
## Histogram—

#### **Histogram of Petal Length by Species**



## Density plot—-

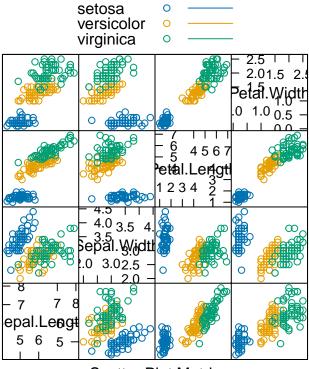
#### **Density Plot of Petal Width by Species**



## Scatterplot matrix—-

```
library(lattice)
splom(iris[1:4],
    groups = iris$Species,
    main = "Scatterplot Matrix of Iris Measurements",
    panel = panel.splom,
    auto.key = list(space = "top", points = TRUE, lines = TRUE))
```

#### **Scatterplot Matrix of Iris Measurements**



**Scatter Plot Matrix** 

#### Conditioning plot—-

# Petal Length vs Width by Species

