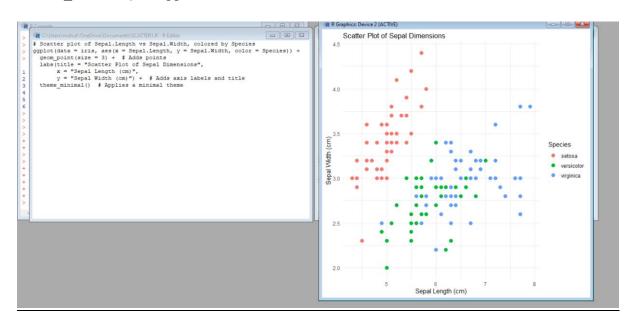
VISUALIZE DATA USING ANY PLOTTING FRAMEWORK

1) SCATTER PLOT

```
# Install ggplot2 (if not already installed)
install.packages("ggplot2")

# Load the ggplot2 package
library(ggplot2)

# Scatter plot of Sepal.Length vs Sepal.Width, colored by Species
ggplot(data = iris, aes(x = Sepal.Length, y = Sepal.Width, color = Species)) +
geom_point(size = 3) + # Adds points
labs(title = "Scatter Plot of Sepal Dimensions",
        x = "Sepal Length (cm)",
        y = "Sepal Width (cm)") + # Adds axis labels and title
theme_minimal() # Applies a minimal theme
```



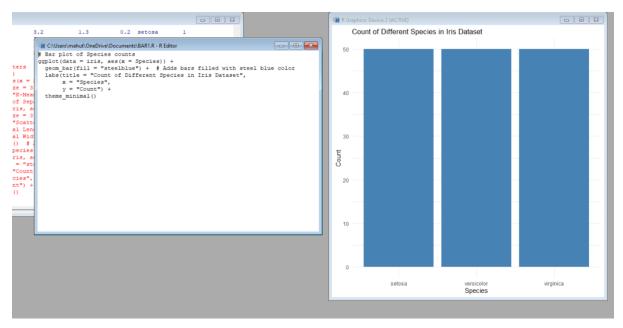
2) BAR CHART

```
# Install ggplot2 (if not already installed)
install.packages("ggplot2")

# Load the ggplot2 package
library(ggplot2)

# Bar plot of Species counts
ggplot(data = iris, aes(x = Species)) +
geom bar(fill = "steelblue") + # Adds bars filled with steel blue color
```

```
labs(title = "Count of Different Species in Iris Dataset",
    x = "Species",
    y = "Count") +
theme_minimal()
```

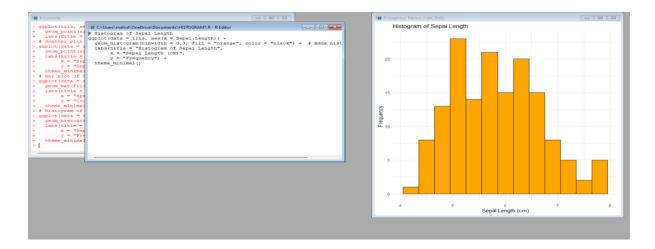


3) HISTOGRAM

```
# Install ggplot2 (if not already installed)
install.packages("ggplot2")

# Load the ggplot2 package
library(ggplot2)

# Histogram of Sepal Length
ggplot(data = iris, aes(x = Sepal.Length)) +
geom_histogram(binwidth = 0.3, fill = "orange", color = "black") + # Adds
histogram bars
labs(title = "Histogram of Sepal Length",
        x = "Sepal Length (cm)",
        y = "Frequency") +
theme_minimal()
```



4)BOX PLOT

