**Scatter Plot:**

# 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)) +

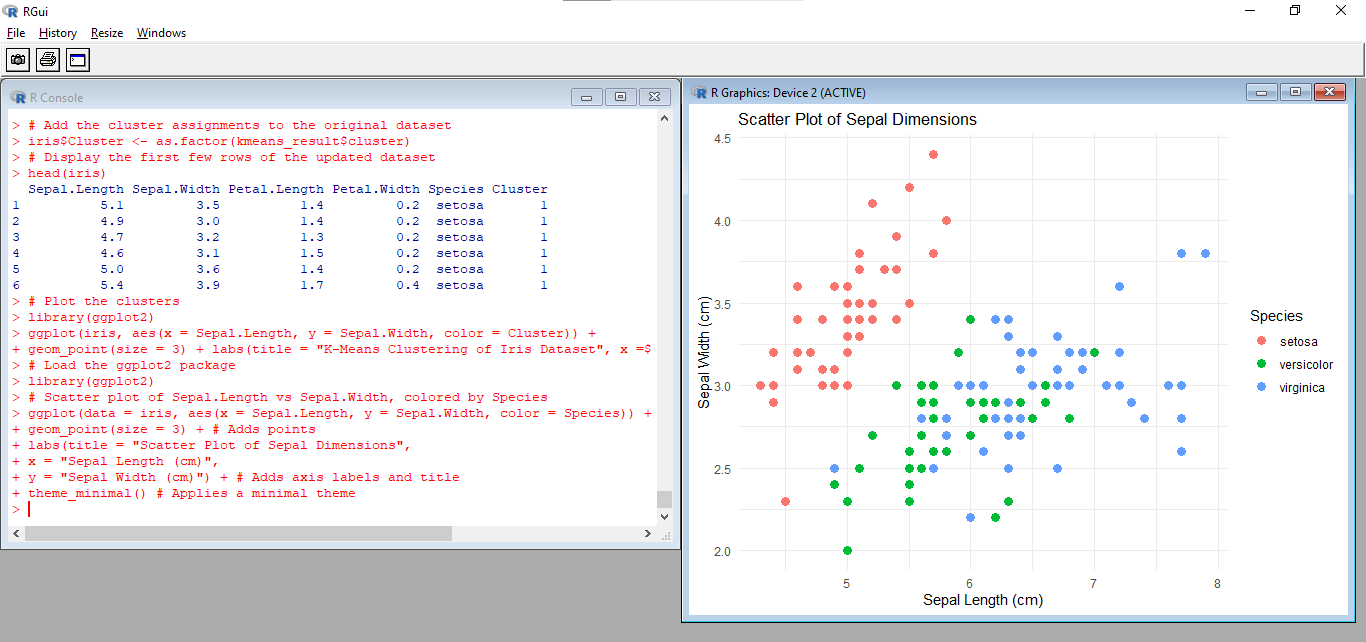
geom\_point(size = 3) + # Adds points

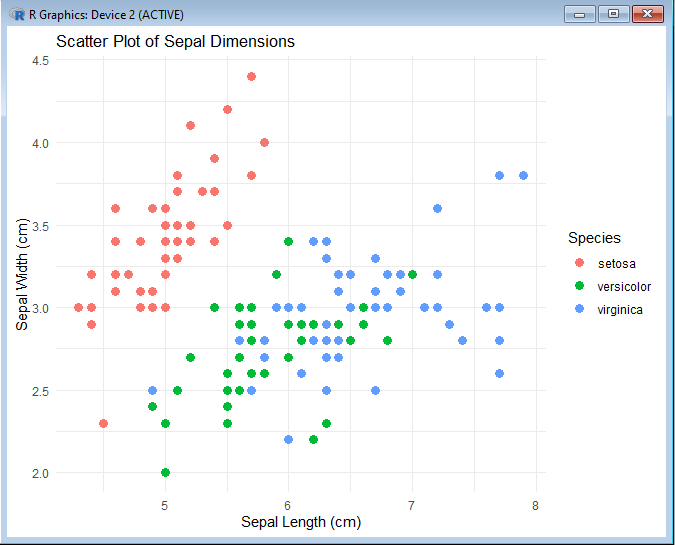
labs(title = "Scatter Plot of Sepal Dimensions",

x = "Sepal Length (cm)",

y = "Sepal Width (cm)") + # Adds axis labels and title

theme\_minimal() # Applies a minimal theme





**Bar Chart:**

# Load the ggplot2 package

library(ggplot2)

# Bar plot of Species counts

ggplot(data = iris, aes(x = Species)) +

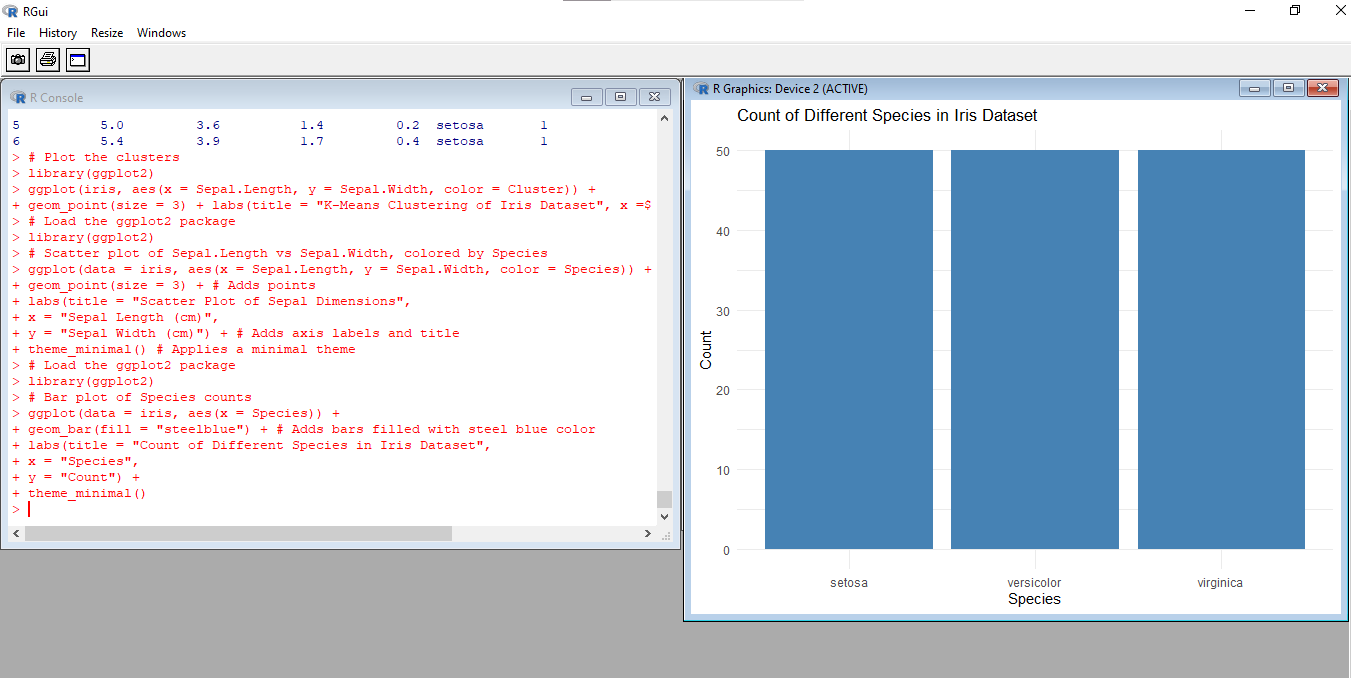
geom\_bar(fill = "steelblue") + # Adds bars filled with steel blue color

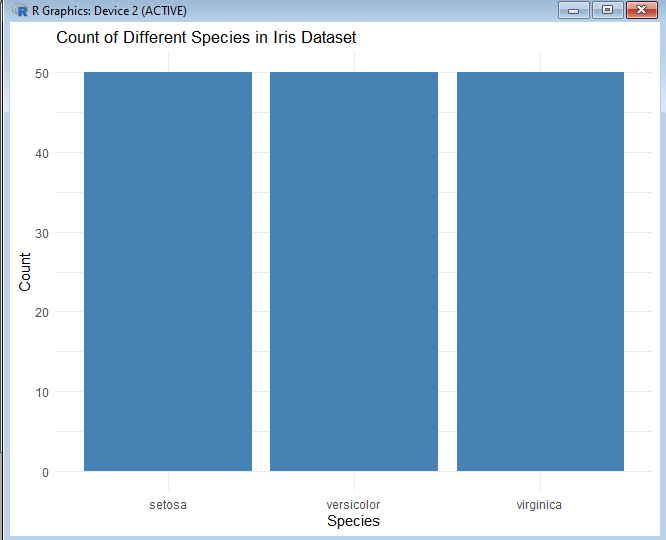
labs(title = "Count of Different Species in Iris Dataset",

x = "Species",

y = "Count") +

theme\_minimal()





**Histogram:**

# Load the ggplot2 package

library(ggplot2)

# Histogram of Sepal Length

ggplot(data = iris, aes(x = Sepal.Length)) +

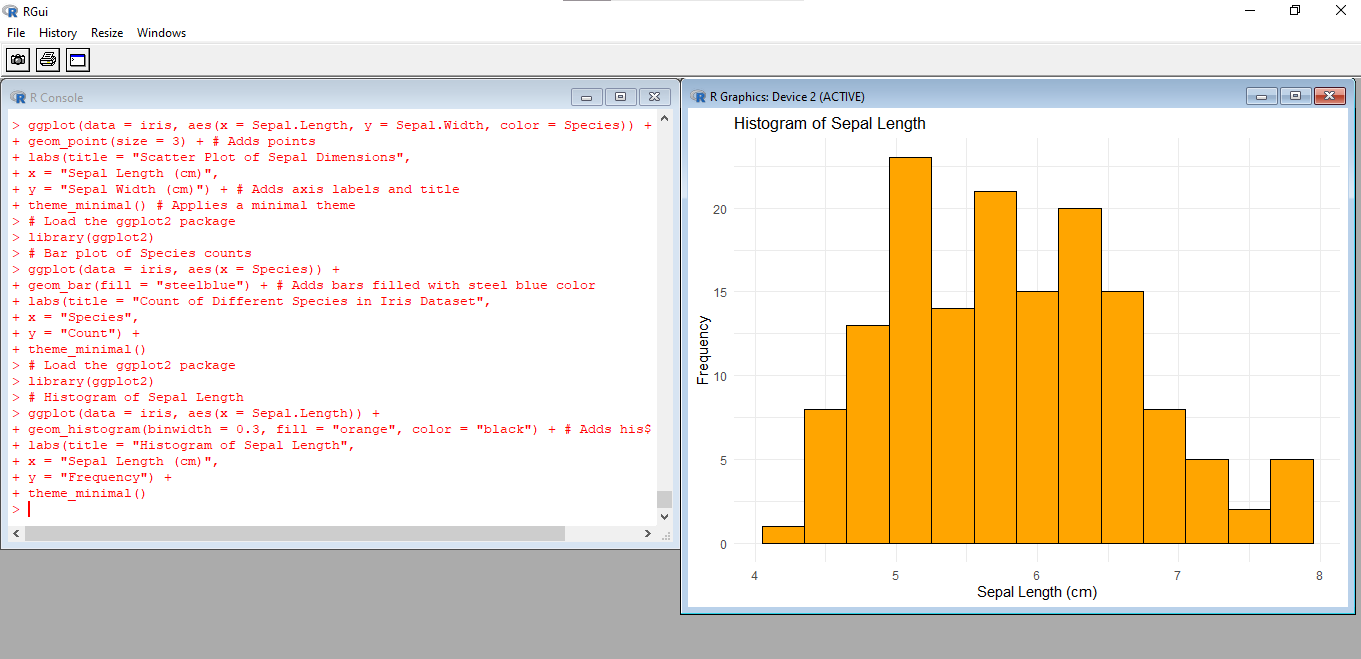
geom\_histogram(binwidth = 0.3, fill = "orange", color = "black") + # Adds histogram bars

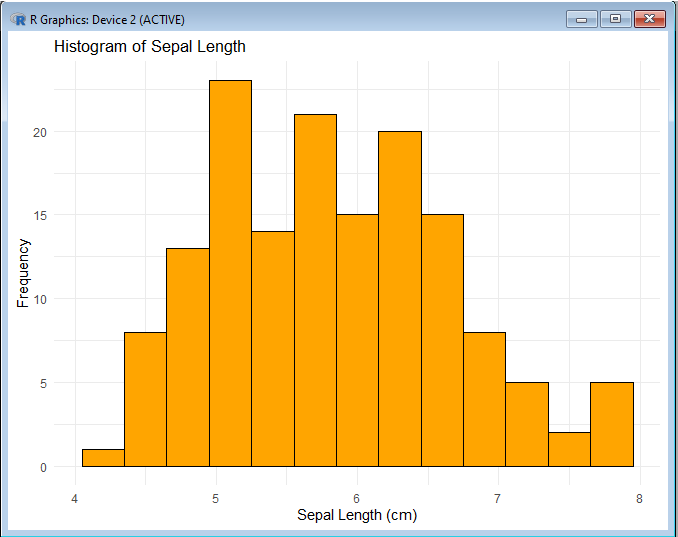
labs(title = "Histogram of Sepal Length",

x = "Sepal Length (cm)",

y = "Frequency") +

theme\_minimal()





**Box plot:**

# Load the ggplot2 package

library(ggplot2)

# Box plot of Sepal Length for each Species

ggplot(data = iris, aes(x = Species, y = Sepal.Length, fill = Species)) +

geom\_boxplot() + # Adds box plot

labs(title = "Box Plot of Sepal Length by Species",

x = "Species",

y = "Sepal Length (cm)") +

theme\_minimal()

