VISUALIZE DATA USING ANY PLOTTING FRAMEWORK

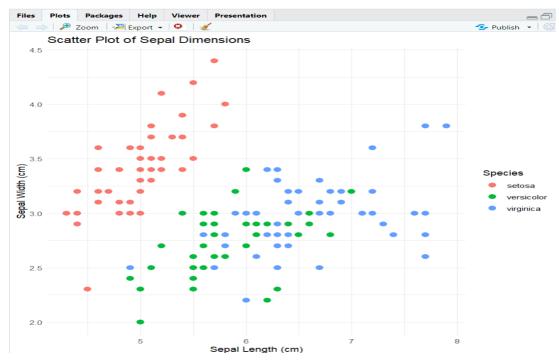
AIM:

To implement a visualize Data using any plotting framework using R Studio.

1) SCATTER PLOT

```
Scatter Plot.R* X

| Source on Save | So
```



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()
```

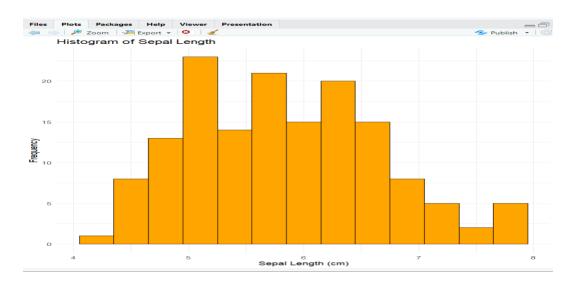
```
Scatter Plot.R X Source on Save A Source on Save A Source on Save A Supplet (data = iris, aes(x = Species)) + geom_bar(fill = "steelblue") + # Adds bars filled with steel blue color labs(title = "Count of Different Species in Iris Dataset", x = "species", y = "Count") + theme_minimal()

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```



3) HISTOGRAM

```
Scatter PlotR × Source on Save Sourc
```



4)BOX PLOT

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

```
# 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()
```



RESULT:

Thus, the visualize Data using any plotting framework using R Studio have been successfully executed.