> # Load the iris dataset

> data(iris)

> par(mar=c(1,1,1,1))

> # Display the summary statistics for all the variables in the dataset

> (summary(iris))

Sepal.Length Sepal.Width Petal.Length Petal.Width Species

Min. :4.300 Min. :2.000 Min. :1.000 Min. :0.100 setosa :50

1st Qu.:5.100 1st Qu.:2.800 1st Qu.:1.600 1st Qu.:0.300 versicolor:50

Median :5.800 Median :3.000 Median :4.350 Median :1.300 virginica :50

Mean :5.843 Mean :3.057 Mean :3.758 Mean :1.199

3rd Qu.:6.400 3rd Qu.:3.300 3rd Qu.:5.100 3rd Qu.:1.800

Max. :7.900 Max. :4.400 Max. :6.900 Max. :2.500

> # Plot a scatter plot for Sepal length and Sepal width for the species “setosa”

> setosa\_data <- iris[iris$Species == "setosa", ]

> plot(setosa\_data$Sepal.Length, setosa\_data$Sepal.Width,

+ xlab = "Sepal Length", ylab = "Sepal Width",

+ main = "Scatter Plot of Sepal Length vs. Sepal Width for Setosa")

> # Plot a histogram for the variable Petal.length

> hist(iris$Petal.Length,

+ xlab = "Petal Length", ylab = "Frequency",

+ main = "Histogram of Petal Length")

> # Create a boxplot for Petal width of Species=versicolor

> versicolor\_data <- iris[iris$Species == "versicolor", ]

> boxplot(versicolor\_data$Petal.Width,

+ xlab = "Versicolor", ylab = "Petal Width",

+ main = "Boxplot of Petal Width for Versicolor")

>