LAB-3 Exercises

# Print the impact data frame

impact

# Use the describe() function to see some summary information per variable

# Select the variable 'verbal\_memory\_baseline' from the 'impact' data frame and assign it to the variable 'verbal\_baseline'

# Plot a histogram of the verbal\_baseline variable that you have just created

# Create a histogram of the verbal\_baseline variable. Set "Distribution of verbal memory baseline scores" as the title, "score" as the x-axis label and "frequency" as the y-axis label.

Exercise 1

Make a default boxplot of Sepal.Width stratified by Species.

Exercise 2

Change the range of the y-axis so it starts at 2 and ends at 4.5.

Exercise 3

Modify the boxplot function so it doesn’t draw ticks nor labels of the x and y axes.

Exercise 4

Add notches (triangular dents around the median representing confidence intervals) to the boxes in the plot.

Exercise 5

Increase the distance between boxes in the plot.

Exercise 6

Change the color of the box borders to blue.

Exercise 7

a. Change the color of the median lines to red.

b. Change the line width of the median line to 1.

Exercise 8

a. Change the color of the outlier points to red.

b. Change the symbol of the outlier points to “+”.

c. Change the size of the outlier points to 0.8.

Exercise 9

a. Add the title to the boxplot (try to replicate the style of matlab’s boxplot).

b. Add the y-axis label to the boxplot (try to replicate the style of matlab’s boxplot).

Exercise 10

a. Add x-axis (try to make it resemble the x-axis in the matlab’s boxplot)

b. Add y-axis (try to make it resemble the y-axis in the matlab’s boxplot)

c. Add the y-axis ticks on the other side.