Statistics for Earth and Environmental Scientists

Homework #3

Handed out: Thursday, September 12 Due: Thursday, September 19, 11:59 p.m.

1. Answer the followings (total of 100 points), Please make sure to write comments after every line of code. Not doing so may deduct points.

1. Upload the R script with your name (please save your scripts as Lab#3\_your name or last name. (40 points)
2. Create two objects (height, weight), and create a data frame (hw).(30 points)

Store the following data to an object named ’height’ (hint: <- c())

> 65, 72, 68, 67, 70, 74, 67, 71, 66, 72

Store the following data to an object named ‘weight’ (hint: <- c())

> 145, 150, 130, 160, 165, 175, 160, 165, 135, 175

Copy and paste the following line to make a data frame named ‘hw3’.

> hw= data.frame(height=height, weight=weight)

1. Make a histogram of height and boxplot of weight using R.(30 points)
2. Make a histogram of height using R (hint: ‘hist()’ function)
3. Make a boxplot of weight using R (hint: ‘boxplot()’ function)