Assignment 1.6 – Data Types in R

Write a R script that provides answers to the following questions. If any questions need direct answers, give them in a comment.

- a. For the following inputs, list all of the data type(s) that would be appropriate to store data in R. Code the example for each.
 - i. The word dog
 - ii. The condition TRUE
 - iii. The vector < TRUE, TRUE, FALSE, FALSE, TRUE >
 - iv. The vector < 1, 0, 1, 0 >
 - v. The vector < 1.3, 3.3 >
 - vi. The number 4
 - vii. The number $5.\overline{6}$
- b. For the following functions, what types of data do they accept as inputs and what data types do they return as outputs? Code a working example of each.
 - i. mean()
 - ii. sum()
 - iii. all()
 - iv. cut()
 - v. sort()
- c. Run the function is.character() on the coded example for each answer in a (give each example its own line). What does the output mean?
- d. Use the function runif() to produce 1000 random numbers between 0 and 1. How many of these numbers have values greater than 0.5?

Turn in your R script.