Assignment 1.8 – Matrices

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

1. Create a 5 by 6 matrix of random numbers using `runif()` to generate data and store it in a variable named `my.matrix1`. (The function `runif()` pulls pseudorandom numbers from a normal distribution.)

2. Create another matrix using a *different method* with `runif()` to generate data that is 6 by 5 and store it in a variable named `my.matrix2`.

3. Using a third method, create another matrix using `runif()` to generate data that is 5 by 10 and store it in a variable named `my.matrix3`.

4. What are the dimensions of your three matrices? How many rows and columns do each have? How many numbers do each contain? Use functions to find each of these values.

5. What are the values at column 5 row 3 for each of your three matrices?

6. The following line of code does not work. Correct the error so that `my.matrix4` is a 5 by 16 matrix.
   ```
   my.matrix4 <- cbin(my.matrix2, my.matrix3)
   ```

Turn in your R script.