

HW 1 - R Basics

DSCI 610

Spring 2021

1. (2 pts) Generate two character vectors that hold the names of five countries from each continent and their capitals respectively.
2. (5 pts) Generate a matrix with integers that has 12 rows and 5 columns. Treat the rows as 12 subjects. Create a character vector that holds identification of these subjects. Feel free to combine letters and numbers to create the identifications. Then include this vector and turn the matrix that you created earlier into a data frame. Be creative in representing the columns with variables and assign suitable column names.
3. (5 pts) Write a function that takes a numeric vector as an argument and returns the standard deviation of the elements in the vector.
4. (8 pts) Consider the 'PIdiabetes.csv' file. Apply a suitable loop function to find the mean and standard deviation of first eight columns in the data set.