Data Analysis - Homework Assignment 1 ( To be completed by Jan 26th 2021)

Please Complete the below Homework assignments and

Submit by September 28th 2020

1. Create a Matrix

- Use Matrix Value 1:40

         Decide the appropriate Columns & Rows

         Show the result for a column ( you can choose any column)

         Show the result for a row ( you can choose any row)

         Show the result for a row using Modulo operator( Division) where the reminder ==0

         Show the result using a column & row combination(Eg, 3rd row, 5th column)

2. Identify the Data Type

          - Assign a numeric to a variable

          - Find the datatype of the variable

        - Assign a character to a variable

           Find the datatype of the variable

3. Identity the Mean & Median for the following

       - Values ( 14,5,3,22,-8,9,-3,45,12,43,8,6)

         A) Find the Mean

        B) Apply the trim function using 2 (2 numbers from both ends) and find the mean

       C) Find the Median

4. Find the mode(s) for the following

    - values ( 3,4,3,5,3,6,7,2,1,2,6,7,8,6)

Here is another function to get the modes in a given vector:

getModes <- function(x) {  
uniqx <- unique(x)  
tab <- tabulate(match(x, uniqx))  
uniqx[tab == max(tab)]  
}

Run this in the R Studio using R MarkDown and attach your output as a .HTML file in canvas.

Thanks

Partha