CSE214 – Statistical Programming
Project-1 for Midterm Exam
25.02.2020

General Description

You can work in groups of two or three people on the project.
Please use "**Dataset.txt**" to answer the questions below. The file of "Dataset.txt" includes 100 observations from 11 variables:

IdNo: Id numbers of individuals in the sample
Group: categorical variable with 4 levels (Group1, Group2, Group3 and Group4)
Gender: categorical variable with 2 levels (Male and Female)
Var1, **Var2**, **Var3**, **Var4**, **Var5**, **Var6**, **Var7** and **Var8**: continuous variables.

Questions

In order to answer each question, please write your own function using r-project, hand in the r functions and outputs.

1) Please make **barplots** for categorical variables (Group and Gender) by writing your own function using r-project:
    a. The function should have options of main title, x and y labels, x and y limits, color options.
    b. Group and Gender categorical variables should be barplotted in a separate page (output screen).
    c. Group and Gender categorical variables should be barplotted in the same page (output screen) together.

2) Please make **histogram** for continuous variables (Var1-Var8) by writing your own function using r-project:
    a. The function should have options of main title, x and y labels, x and y limits, color options.
    b. Each histogram should be plotted in a separate page (output screen).
    c. More than one histogram could be plotted in the same page (output screen) together.

3) Please make **boxplot** for continuous variables (Var1-Var8) by writing your own function using r-project:
    a. The function should have options of main title, x and y labels, x and y limits, color options.
    b. Each boxplot should be plotted in a separate page (output screen).
    c. More than one boxplot could be plotted in the same page (output screen) together.