Assignment

CAP742: Data Analytics Using R
Max Marks = 50 (No Viva)

Date of Allocation: 1ˢᵗ Apr 2020   **Date of Submission: 20ᵗʰ Apr 2020**

1. Using 'WHO' dataset, derive a new column 'Over60Population' that contains number of persons that are above 60 years of age for each country.

2. Using 'WHO' dataset, derive a new dataset who2, where 'PrimarySchoolEnrollmentMale' and 'PrimarySchoolEnrollmentFemale' are united to give a new column 'PrimarySchool' with comma as a separator.

3. Using 'WHO' dataset, filter a subset 'who_SEA' that contains countries from 'South-East Asia' region only.

4. Using 'mtcars' datset, where 'cyl' and 'gear' are united to give a new column named as 'cyl and gear' with comma as a separator between two values.

5. Using 'mtcars' dataset, draw a scatterplot showing 'mpg' Vs 'wt'. Write your interpretation about the graph.

6. Using 'mtcars' dataset, draw a box plot showing 'mpg' Vs 'gears. Your plot should have three box-plots separate for cars with 3, 4 & 5 gears. Write your interpretation of the plot.

7. Using 'airquality' dataset, show the temperature of 'July' and 'Aug' months on the same line graph. Use separate colour for both the lines.   Write your interpretation about the plot.

8. Using 'WHO' dataset, plot a histogram showing number of countries in each region.

Note: If after checking the plagiarism or found two or more similar submissions (means copied) of this assignment by different students, ZERO marks will be awarded to him.