Ministry of Information Technology & Telecom
Government of Pakistan

DigiSkills.pk
Sara Jahan Hamara

Ignite
NATIONAL TECHNOLOGY FUND

Executed by
VU
Virtual University

Hands-on Exercise No. 4(Solution) **DigiSkills 2.0 Batch-07** **Data Analytics and Business Intelligence**	**Total Marks: 10**

Problem Statement:

Tasks:

1) Download and Install free R language from the following link.
   https://cran.r-project.org/bin/windows/base/

2) Install and import ggplot2 library in R GUI using the following commands.
    install.packages('ggplot2') library(ggplot2)

3) Create histogram for mpg column in mtcars dataset using the following command.
   ggplot(mtcars,aes(x=mpg)) + geom_histogram()

4) Create bar chart for gear column in mtcars dataset using the following command.
   ggplot(mtcars, aes(x = gear)) +geom_bar()

5) Create box plot for mpg column in mtcars dataset using the following command.
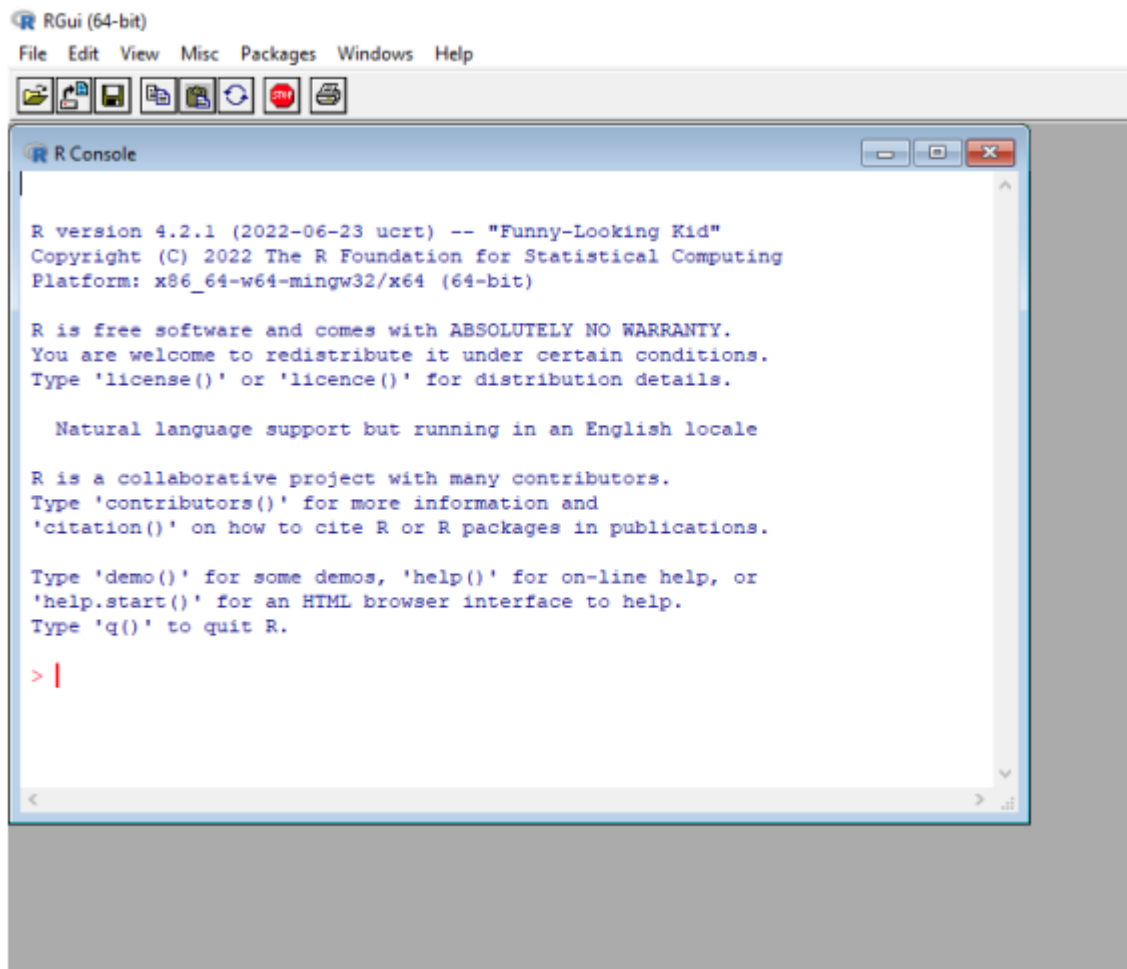   ggplot(mtcars, aes(x=as.factor(cyl), y=mpg)) + geom_boxplot()

Requirements:

In this exercise you are required to perform all the given tasks and provide
- Screenshots of Task 1, 2, 3, 4,5.
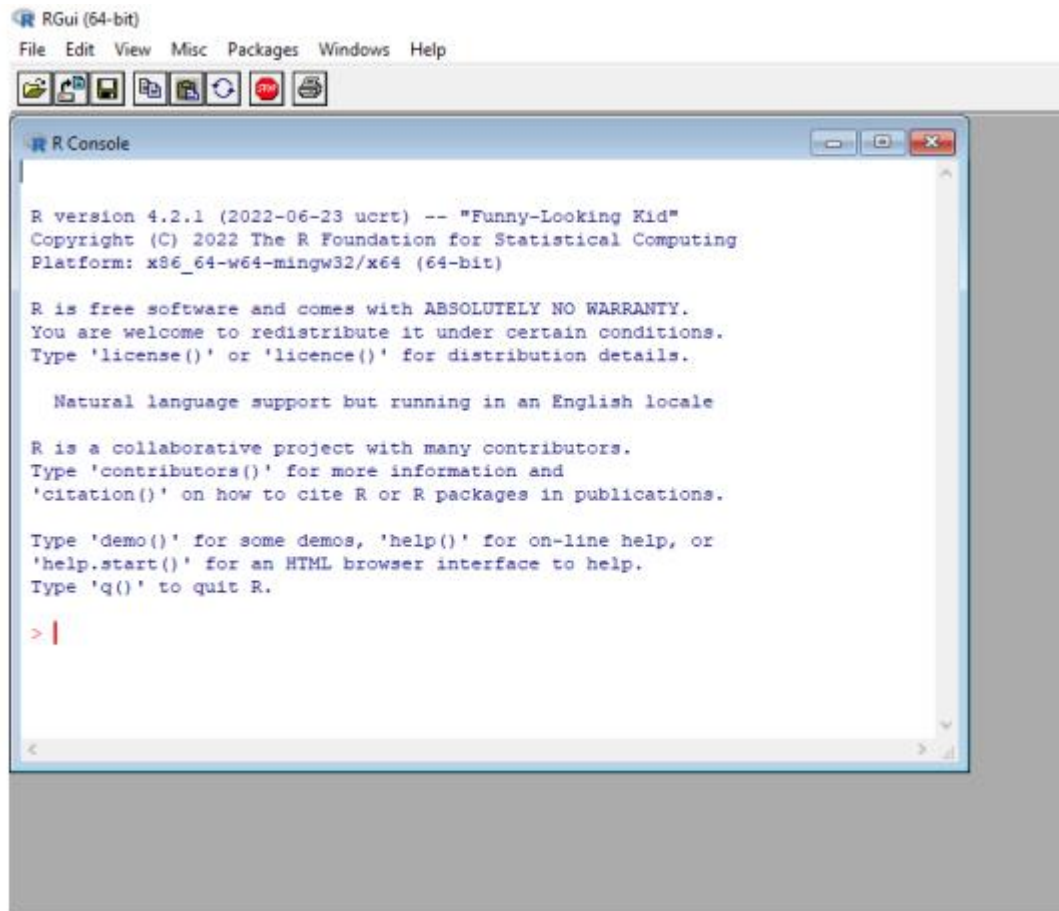- Submit the completed tasks in word document.
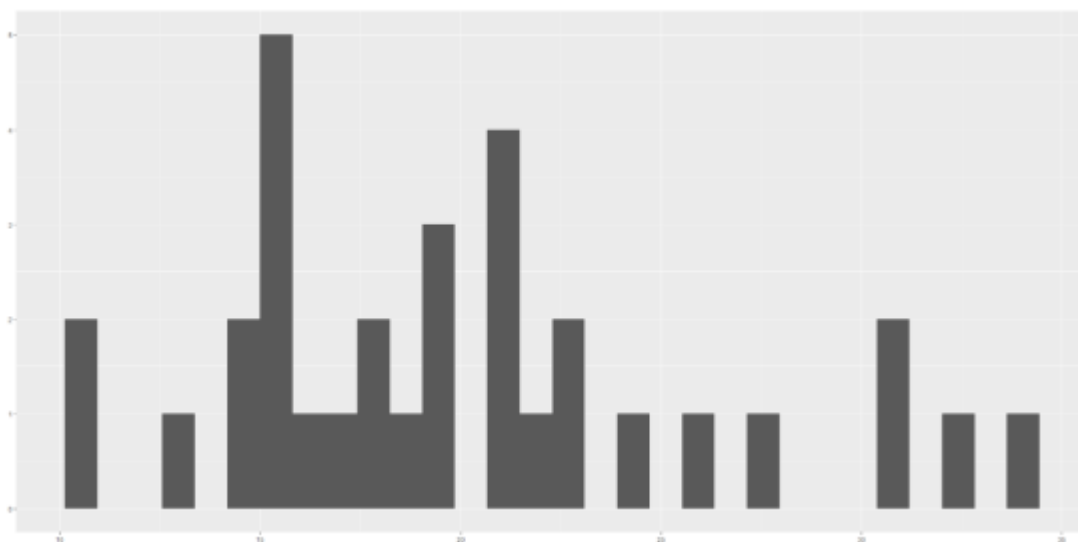
BEST OF LUCK ☺

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Solution:

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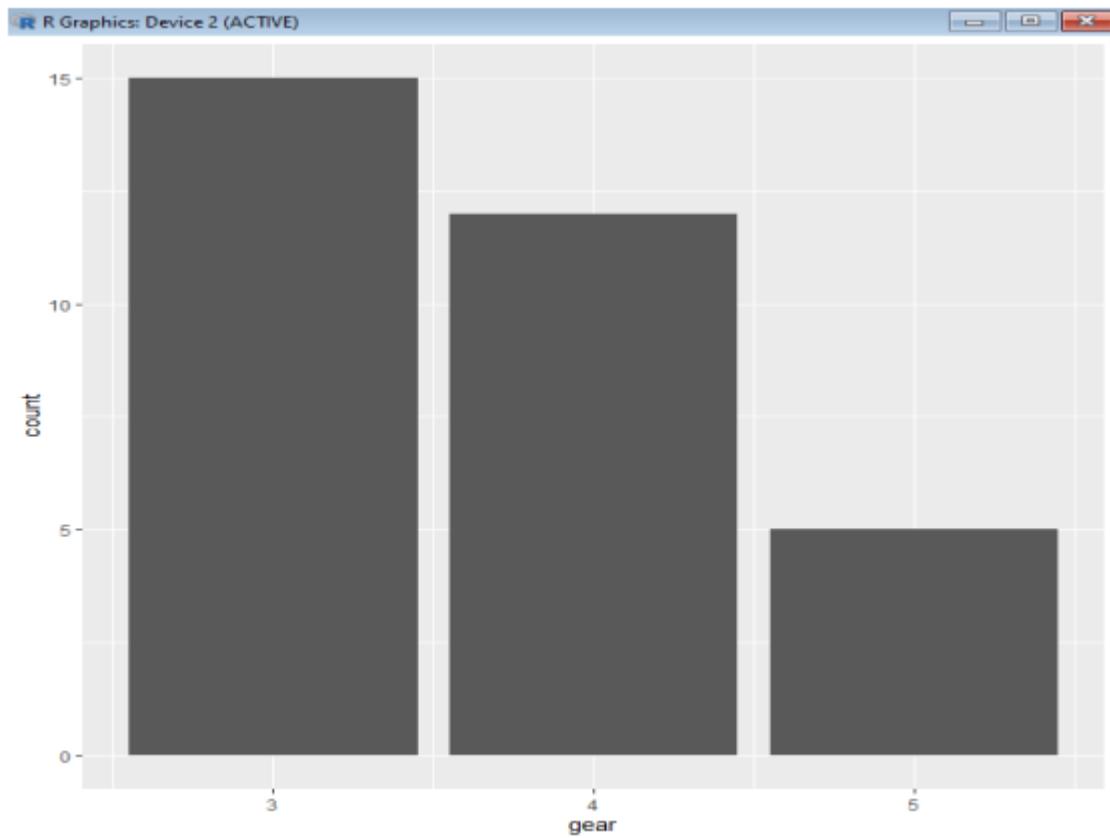   https://cran.r-project.org/bin/windows/base/

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