Labsheet 5

ID-IT24101590

Name – Sanjeewa H.D.U.S

Exercise Instructions: Create a folder in your desktop with your registration number (Eg: "IT......"). You need to save the R script file and take screenshots of the command prompt with answers and save it in a word document inside the folder. Save both R script file and word document with your registration number (Eg: "IT......"). After you finish the exercise, zip the folder and upload the zip file to the submission link.

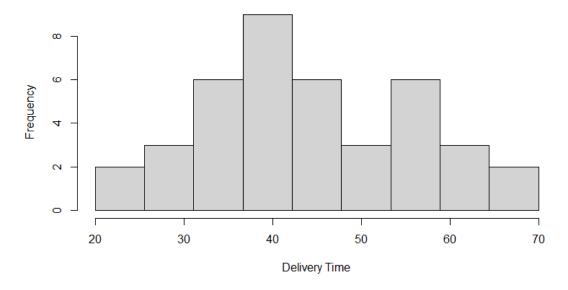
1. Import the dataset ('Exercise – Lab 05.txt') into R and store it in a data frame called "Delivery Times".

```
setwd("C:\\Users\\IT24101590\\Desktop\\IT24101590")
getwd()
```

2. Draw a histogram for deliver times using nine class intervals where the lower limit is 20 and upper limit is 70. Use right open intervals.

```
hist(Delivery_Time$Delivery_Time,
    main = "Histogram of Delivery Times",
    breaks = seq(20, 70, length.out = 10), # 10 breakpoints for 9 intervals
    right = TRUE,
    xlab = "Delivery Time",
    ylab = "Frequency")
```

Histogram of Delivery Times



3. Comment on the shape of the distribution.

The histogram shows a right-skewed distribution with most delivery times concentrated towards the lower end.

4. Draw a cumulative frequency polygon (ogive) for the data in a separate plot.

Cumulative Frequency Polygon for Delivery Times

