## Sri Lanka Institute of Information Technology



Lab Submission Lab sheet No 05

IT24100936 De Silva K. H. Y. S. T.

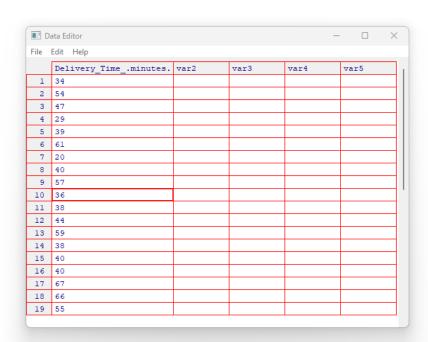
**Probability and Statistics | IT2120** 

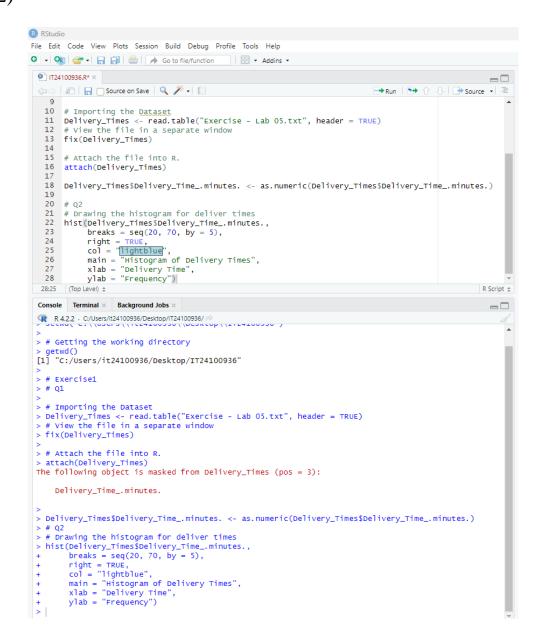
B.Sc. (Hons) in Information Technology

## **Exercise**

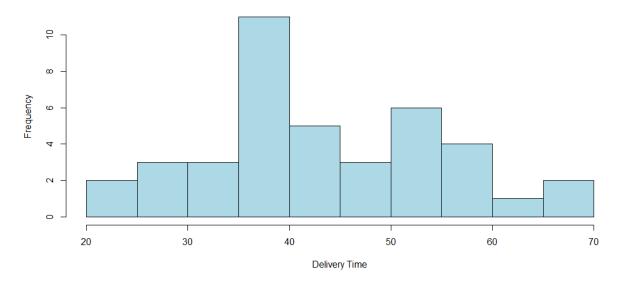
1)

```
RStudio
File Edit Code View Plots Session Build Debug Profile Tools Help
🔾 🕶 🖟 🔒 👛 🖟 Go to file/function
  ● IT24100936.R* ×
  1 # Setting the working directory
2 setwd("C:\\Users\\it24100936\\Desktop\\IT24100936")
                                                                                            → Run | → ↑ ↓ | → Source - =
     3
4 # Getting the working directory
    5 getwd()
6
7 # Exercise1
8 # Q1
    10 # Importing the Dataset
    11 pelivery_Times <- read.table("Exercise - Lab 05.txt", header = TRUE)
12 # view the file in a separate window
13 fix(Delivery_Times)
    14
    15 # Attach the file into R.
    16 attach(Delivery_Times)
    17
    18 Delivery_Times$Delivery_Time_.minutes. <- as.numeric(Delivery_Times$Delivery_Time_.minutes.)
    19
   19:1 (Top Level) $
                                                                                                                         R Script ¢
  Console Terminal × Background Jobs ×
  R 4.2.2 · C:/Users/it24100936/Desktop/IT24100936/
  > # Setting the working directory
> setwd("C:\\Users\\it24100936\\Desktop\\IT24100936")
  > # Getting the working directory
  > getwd()
[1] "C:/Users/it24100936/Desktop/IT24100936"
  > # Exercise1
> # Q1
 /*
> # Importing the Dataset
> Delivery_Times <- read.table("Exercise - Lab 05.txt", header = TRUE)
> # View the file in a separate window
> fix(Delivery_Times)
```



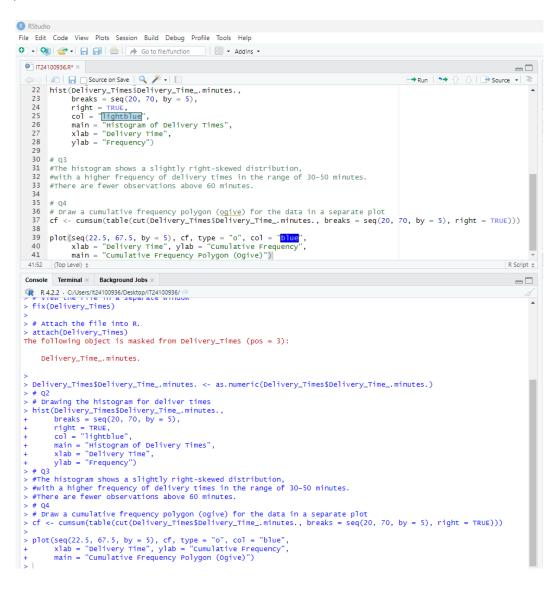


## **Histogram of Delivery Times**



```
30 # Q3
31 #The histogram shows a slightly right-skewed distribution,
32 #with a higher frequency of delivery times in the range of 30-50 minutes.
33 #There are fewer observations above 60 minutes.
```

4)



## **Cumulative Frequency Polygon (Ogive)**

