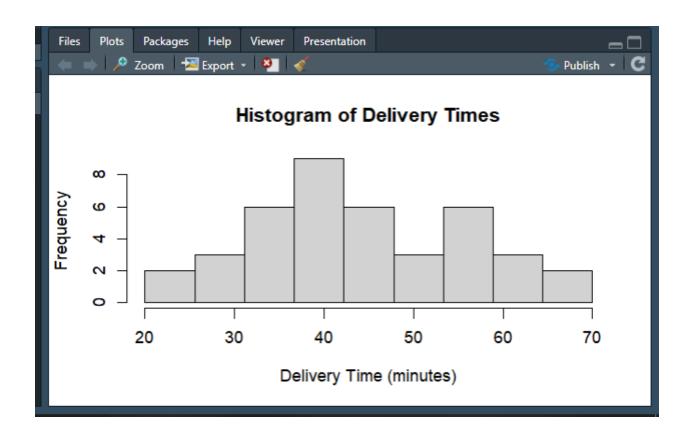
IT2120 - Lab Sheet 05 IT24103885 - Senarathna Y.M.C.S

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

```
D IT24103885.R*>
← ⇒ / Æ | ☐ Source on Save | Q / F ▼ | ☐
                                                              Run Source
     setwd("C:\\Users\\User\\Desktop\\IT24103885")
     Delivery_Times <- read.table("Exercise - Lab 05.txt", header = TRUE, sep head(Delivery_Times)
                                                                                  R Script :
  4:1
       (Top Level)
Console Background Jobs
😱 🗸 R 4.5.1 · C:/Users/User/Desktop/IT24103885/ 🖈
> setwd("C:\\Users\\User\\Desktop\\IT24103885")
> Delivery_Times <- read.table("Exercise - Lab 05.txt", header = TRUE, sep =
> head(Delivery_Times)
  Delivery_Time_.minutes.
1
2
3
4
5
6
                           34
                          54
                          47
                          29
                          39
                          61
```

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_data,
 8
          breaks = seq(20, 70, length.out = 10),
 9
          right = FALSE,
10
          main = "Histogram of Delivery Times",
11
          xlab = "Delivery Time (minutes)",
12
          ylab = "Frequency")
13
14
10:22
     (Top Level) :
                                                                           R Script
```



3. Comment on the shape of the distribution.

```
15
      mean(delivery_data)
  16
      median(delivery_data)
  17
  18
 17:22
       (Top Level) $
                                                                                      R Script
Console
         Background Jobs

    R 4.5.1 C:/Users/User/Desktop/IT24103885/
    →
> mean(delivery_data)
[1] 43.75
> median(delivery_data)
[1] 42.5
```

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

