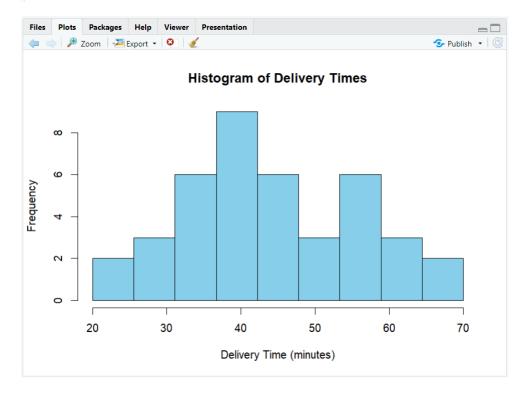
Exercise

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

```
> # setting the directory
> setwd("C:\\Users\\TUF\\Desktop\\Lab 05\\IT24103552")
> getwd()
[1] "C:/Users/TUF/Desktop/Lab 05/IT24103552"
> delivery_data <- read.table("Exercise - Lab 05.txt", header = TRUE)</pre>
> Delivery_Times <- delivery_data
> # Check the data
> head(Delivery_Times)
  Delivery_Time_.minutes.
                          34
2
                          54
                          47
4
                          29
                          39
6
```

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.

```
> # 2
> hist(Delivery_Times$Delivery_Time_.minutes.,breaks = seq(20, 70, length.out = 10),right = FALSE,
+ main = "Histogram of Delivery Times",
+ xlab = "Delivery Time (minutes)",
+ ylab = "Frequency",
+ col = "skyblue",
+ border = "black"
+ )
> |
```



3. Comment on the shape of the distribution.

```
> # 3: Comment on the shape of the distribution
> # Answer : The histogram shows a roughly symmetric distribution with most delivery times between
35 and 55 minutes.
>
```

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

