

1.

```
1 setwd("C:\\Users\\IT24102555\\Desktop\\IT24102555-Lab05")
2 getwd()
3
4 Delivery_Times<-read.table("Exercise - Lab 05.txt",header=TRUE)
5 print(Delivery_Times)
6
7
```

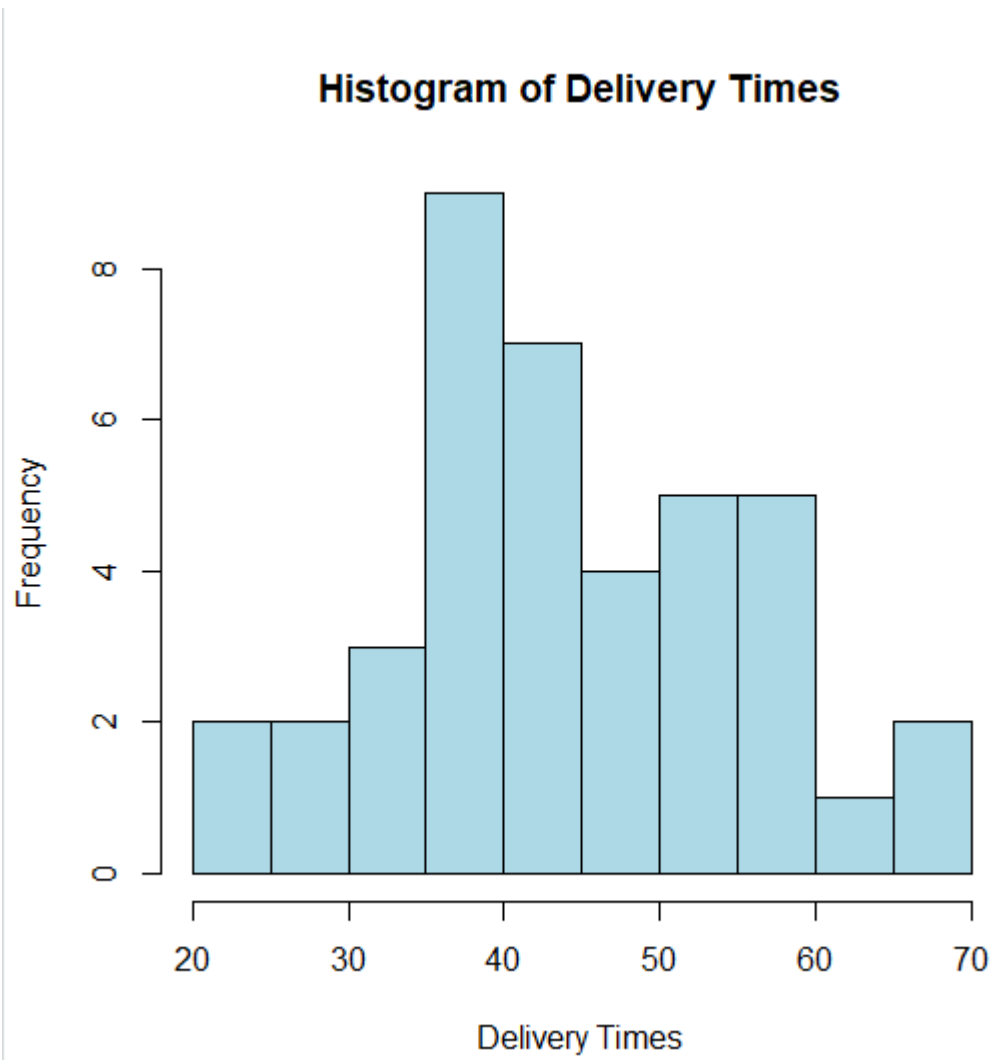
```
> setwd("C:\\Users\\IT24102555\\Desktop\\IT24102555-Lab05")
> getwd()
[1] "C:/Users/IT24102555/Desktop/IT24102555-Lab05"
> Delivery_Times<-read.table("Exercise - Lab 05.txt",header=TRUE)
```

```
print(Delivery_Times)
```

```
      Delivery_Time_.minutes.
1                34
2                54
3                47
4                29
5                39
6                61
7                20
8                40
9                57
10               36
11               38
12               44
13               59
14               38
```

```
hist(Delivery_Times$Delivery,
      breaks = seq(20, 70, by = 5),
      right = FALSE,
      main = "Histogram of Delivery Times",
      xlab = "Delivery Times",
      ylab = "Frequency",
      col = "lightblue",
      border = "black")
```

```
+> hist(Delivery_Times$Delivery,
+       breaks = seq(20, 70, by = 5),
+       right = FALSE,
+       main = "Histogram of Delivery Times",
+       xlab = "Delivery Times",
+       ylab = "Frequency",
+       col = "lightblue",
+       border = "black")
+> |
```



3.This is a Right-skewed distribution.

```
hist_data <- hist(Delivery_Times$Delivery,
                  breaks = seq(20, 70, by = 5),
                  right = FALSE,
                  plot = FALSE)

cumulative_freq <- cumsum(hist_data$counts)

plot(hist_data$mids, cumulative_freq,
     type = "o",
     main = "Cumulative Frequency Polygon (Ogive)",
     xlab = "Delivery Times",
     ylab = "Cumulative Frequency",
     pch = 16,
     col = "blue")
```

```
hist_data <- hist(Delivery_Times$Delivery,
                  breaks = seq(20, 70, by = 5),
                  right = FALSE,
                  plot = FALSE)

cumulative_freq <- cumsum(hist_data$counts)

plot(hist_data$mids, cumulative_freq,
     type = "o",
     main = "Cumulative Frequency Polygon (Ogive)",
     xlab = "Delivery Times",
     ylab = "Cumulative Frequency",
     pch = 16,
     col = "blue")
```

Cumulative Frequency Polygon (Ogive)

