

## Lab Sheet 5

IT24102432

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1.

```
> setwd("C:\\sliit\\2nd 1 sem\\ps\\lab\\lab 5")  
> Delivery_Times <- read.table("Exercise - Lab 05.txt", header = TRUE)
```

2.

```
> histogram <- hist(Delivery_Times, main = "Histogram for Delivery Times", xlab = "Delivery Time", breaks = seq(20, 70, length = 10), right = FALSE)
```



3.

The shape of the distribution is unimodal and right-skewed, peaking around 35 - 40 units with a long tail extending toward higher delivery times.

4.

```
> plot(mids, freq, type = 'l', main = "Frequency Polygon for Delivery Time", xlab = "Delivery Time", ylab = "Frequency", ylim = c(0, max(freq)))  
> cum.freq <- cumsum(freq)
```

**Cumulative Frequency Polygon for Delivery Time**

