

Lab 05 – IT24103508

1)

```
setwd("C:/Users/it24103508/Desktop/IT24103508")  
getwd()  
Delivery_Times<-read.table("Exercise - Lab 05.txt",header=TRUE,sep=",")  
· Delivery_Times<-read.table("Exercise - Lab 05.txt",header=TRUE,sep=",")
```

2)

```
Histogram<-hist(Delivery_Times$Delivery_Time_.minutes.,  
                main="Hist For Delivery Times",breaks=seq(20,70,length=9),  
                right = FALSE)  
  
> Histogram<-hist(Delivery_Times$Delivery_Time_.minutes.,main="Hist For Delivery Time  
s",breaks=seq(20,70,length=9), right = FALSE)
```



3)

The most delivery times are clustered between 30-40 minutes

Least amount of frequencies are recorded in between 20-30 minutes and 60-70 minutes

4)

```
breaks<-round(Histogram$breaks)
freq<-Histogram$counts
cum.freq<-cumsum(freq)
cumulative_data<-c(0,cum.freq)
plot(breaks,cumulative_data,
     type="l",
     main = "Cumulative frequency polygon",
     xlab = "Delivery Times(minutes)",
     ylab="Cumulative Frequency",
     col="red",
     lwd=2,
     ylim = c(0,max(cumulative_data)+5))

+     ylim = c(0,max(cumulative_data)+5))
Error in plot.xy(xy, type, ...) : invalid plot type 'l'
> plot(breaks,cumulative_data,
+     type="l",
+     main = "Cumulative frequency polygon",
+     xlab = "Delivery Times(minutes)",
+     ylab="Cumulative Frequency",
+     col="red",
+     lwd=2,
+     ylim = c(0,max(cumulative_data)+5))
> |
```

