

Lab sheet 05

IT24103291

```
setwd("C:\\Users\\it24103291\\Desktop\\it24103291 PS")
Delivery_Times <- read.table("Exercise - Lab 05.txt", header = TRUE)

Delivery_Times$Delivery_Time_.minutes. <- as.numeric(Delivery_Times$Delivery_Time_.minutes.)

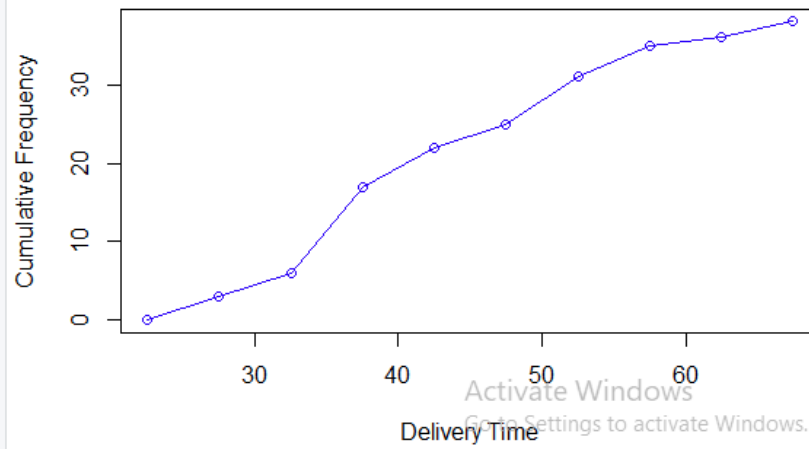
hist(Delivery_Times$Delivery_Time_.minutes.,
     breaks = seq(20, 70, by = 5),
     right = TRUE,
     col = "lightblue",
     main = "Histogram of Delivery Times",
     xlab = "Delivery Time",
     ylab = "Frequency")

cf <- cumsum(table(cut(Delivery_Times$Delivery_Time_.minutes., breaks = seq(20, 70, by = 5), right = TRUE)))

plot(seq(22.5, 67.5, by = 5), cf, type = "o", col = "blue",
     xlab = "Delivery Time", ylab = "Cumulative Frequency",
     main = "Cumulative Frequency Polygon (ogive)")
```

```
> delivery_Times <- read.table("Exercise - lab 05.txt", header = TRUE)
> setwd("C:\\Users\\it24103291\\Desktop\\it24103291 PS")
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> Delivery_Times <- read.table("Exercise - Lab 05.txt", header = TRUE)
>
> Delivery_Times$Delivery_Time_.minutes. <- as.numeric(Delivery_Times$Delivery_Time_.minutes.)
>
> hist(Delivery_Times$Delivery_Time_.minutes.,
+      breaks = seq(20, 70, by = 5),
+      right = TRUE,
+      col = "lightblue",
+      main = "Histogram of Delivery Times",
+      xlab = "Delivery Time",
+      ylab = "Frequency")
>
> cf <- cumsum(table(cut(Delivery_Times$Delivery_Time_.minutes., breaks = seq(20, 70, by = 5), right = TRUE)))
>
> plot(seq(22.5, 67.5, by = 5), cf, type = "o", col = "blue",
+      xlab = "Delivery Time", ylab = "Cumulative Frequency",
+      main = "Cumulative Frequency Polygon (ogive)")
>
```

Cumulative Frequency Polygon (Ogive)



Histogram of Delivery Times

