

IT2120 - Probability and Statistics

Lab Sheet 04

IT24100078

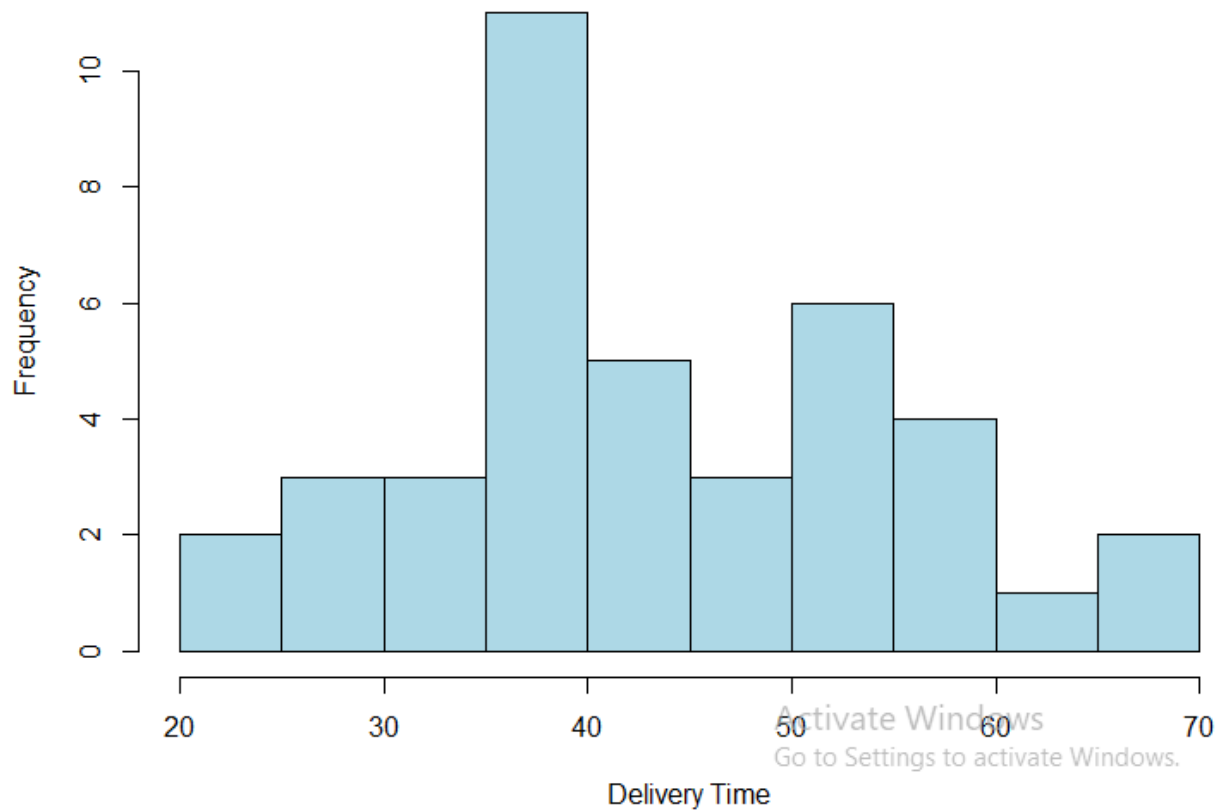
```
setwd("C:\\Users\\IT24100078\\Desktop\\IT24100078 Lab 4")
getwd()
Delivery_Times<- read.table("Exercise - Lab 05.txt" , header = TRUE , sep =",")
fix(Delivery_Times)
attach(Delivery_Times)
```

```
> setwd("C:\\Users\\IT24100078\\Desktop\\IT24100078 Lab 4")
> getwd()
[1] "C:/Users/IT24100078/Desktop/IT24100078 Lab 4"
> Delivery_Times<- read.table("Exercise - Lab 05.txt" , header = TRUE , sep =",")
> fix(Delivery_Times)
> attach(Delivery_Times)
The following object is masked from Delivery_Times (pos = 3):
```

```
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")|
```

Histogram of Delivery Times



```
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)

