Sri Lanka Institute of Information Technology



Lab Submission <Lab sheet 05>

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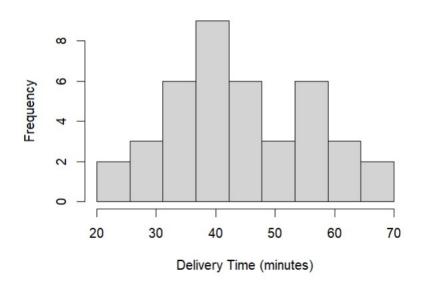
Probability and Statistics | IT2120

B.Sc. (Hons) in Information Technology

Exercise

```
1.
1
   #Set the working directory
    setwd("D:/Desktop/IT24101458")
 3
 4
 5
    DeliveryTimes<-read.table("Exercise - Lab 05.txt",header=TRUE)</pre>
> setwd("D:/Desktop/IT24101458")
 >
 > #1
> DeliveryTimes<-read.table("Exercise - Lab 05.txt",header=TRUE)
2.
#2
colnames(DeliveryTimes) <- "DeliveryTime"</pre>
DeliveryTimes $DeliveryTime <- as.numeric(DeliveryTimes $DeliveryTime)</pre>
hist(DeliveryTimes$DeliveryTime,
     breaks=seq(20,70,by=(70-20)/9),
     right=FALSE,
     main = "Histogram of Delivery Times",
     xlab = "Delivery Time (minutes)",
     ylab = "Frequency" )
 > #2
 > colnames(DeliveryTimes) <- "DeliveryTime"</pre>
 > DeliveryTimes$DeliveryTime <- as.numeric(DeliveryTimes$DeliveryTime)</pre>
 > hist(DeliveryTimes$DeliveryTime,
        breaks=seq(20,70,by=(70-20)/9),
 +
        right=FALSE,
 +
        main = "Histogram of Delivery Times",
        xlab = "Delivery Time (minutes)",
        ylab = "Frequency" )
 +
```

Histogram of Delivery Times



3. The distribution is roughly bell-shaped suggesting a normal distribution. The frequency distribution decreases symmetrically on both sides where it peaks around 40 minutes.

4.

