Sri Lanka Institute of Information Technology



Lab Submission 05

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Probability and Statistics | IT2120

B.Sc. (Hons) in Information Technology

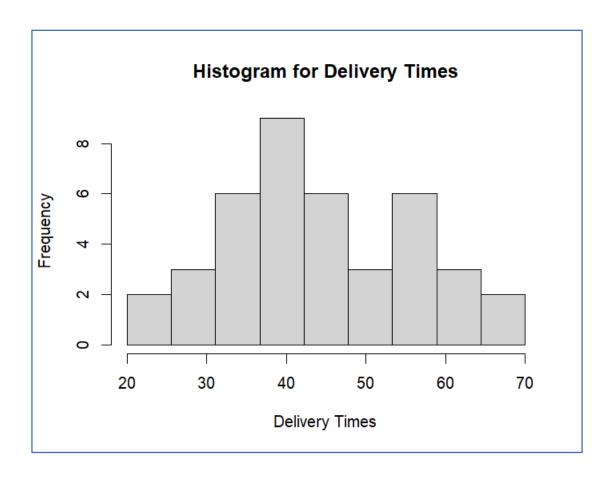
Exercise

1. Import the dataset ('Exercise– Lab 05.txt') into R and store it in a data frame called "Delivery Times".

```
5
6  # Question 01
7
8  data <- read.table("Exercise - Lab 05.txt", header = TRUE, sep = ",")
9  Delivery_Times <- data.frame(data)
10  names(Delivery_Times) <- c("Delivery_Time")
11  attach(Delivery_Times)
12</pre>
```

```
> # Question 01
>
> data <- read.table("Exercise - Lab 05.txt", header = TRUE, sep = ",")
> Delivery_Times <- data.frame(data)
> names(Delivery_Times) <- c("Delivery_Time")
> attach(Delivery_Times)
```

2. Draw a histogram for deliver times using nine class intervals where the lower limit is 20 and upper limit is 70. Use right open intervals.



- 3. Comment on the shape of the distribution.
 - The 4th bar has the most frequency, which is 8 while the 1st and 9th bars have the least frequency, which is 2.
 - The graph is slightly skewed to the left side.

4. Draw a cumulative frequency polygon (ogive) for the data in a separate plot.

