Sri Lanka Institute of Information Technology



Lab Submission Worksheet No-05

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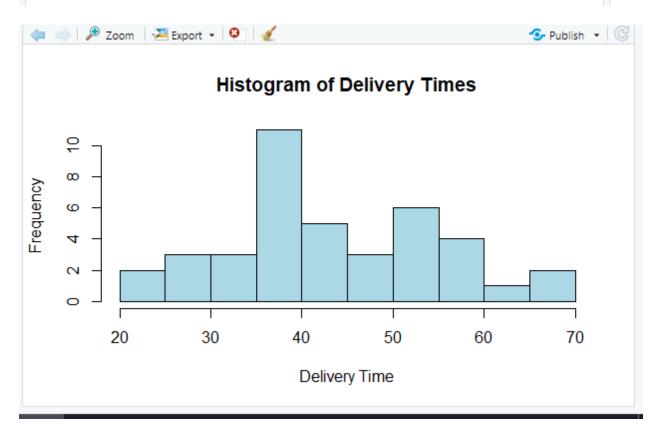
Probability and Statistics - IT2120

B.Sc. (Hons) in Information Technology

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Console Terminal × Background Jobs × □

R R 4.2.2 · C:/Users/IT24103538/Desktop/IT24103538/ 
> 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")
> | Files
Files
```



> #The histogram of delivery times displays a slightly right-skewed distribution, indicating that most deliveries occur within the lower time intervals (between 20 and 40 minute s), while fewer deliveries take longer. The frequency gradually decreases as delivery time increases, suggesting that longer delivery times are less common. This pattern is typic al in service-related data, where efficiency is prioritized but occasional delays may occur.

Cumulative F

Cumulative Frequency Polygon (Ogive)

