Sri Lanka Institute of Information

Technology



Lab Submission

Lab sheet No 5

**IT24101445**

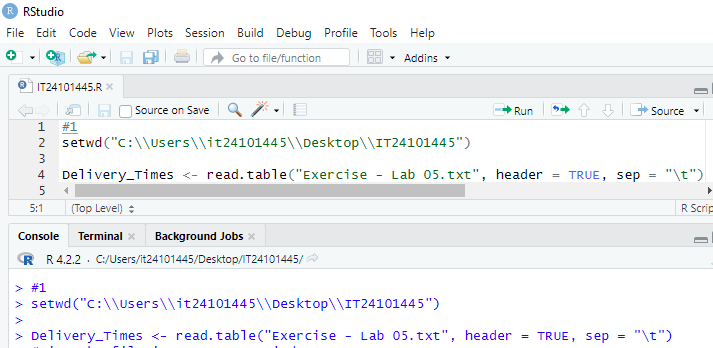
**Munasinghe N.A.A.A**

**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”.



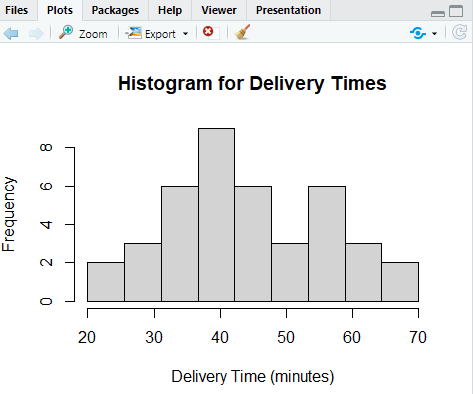
1. Draw a histogram for deliver times using nine class intervals where the lower limit is 20 and upper limit is 70. Use right open intervals.

A screenshot of a computer

Description automatically generated

A screenshot of a computer

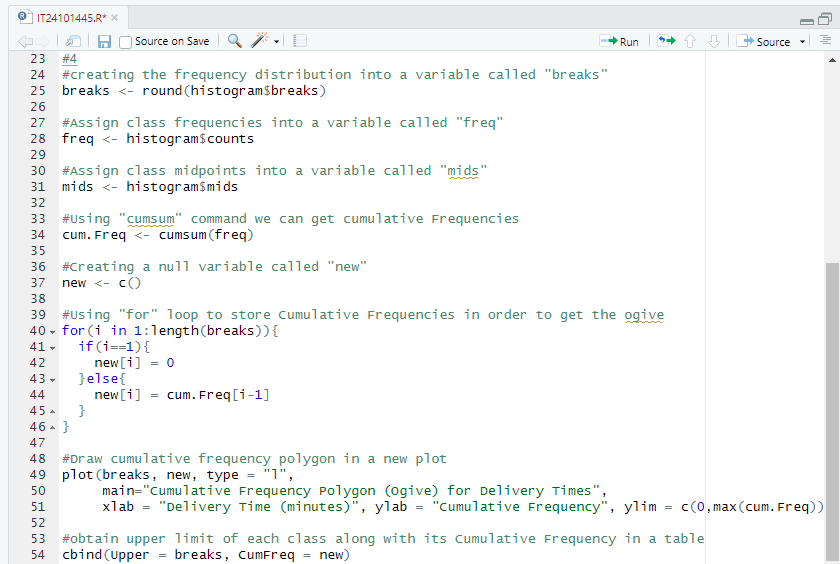
Description automatically generated



1. Comment on the shape of the distribution.

# The histogram appears slightly right-skewed, most delivery times are between 30 and 50 minutes.

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



A screenshot of a computer

Description automatically generated

A graph on a computer screen

Description automatically generated