Faculty of Computing

Year 2 Semester 1 (2025)

IT2120 - Probability and Statistics

Lab Sheet 05

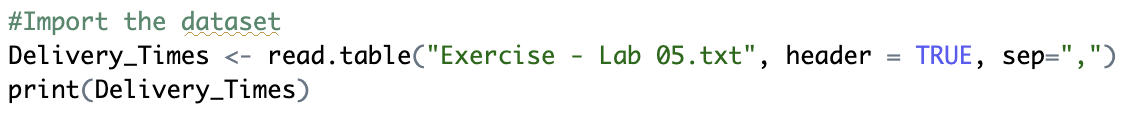
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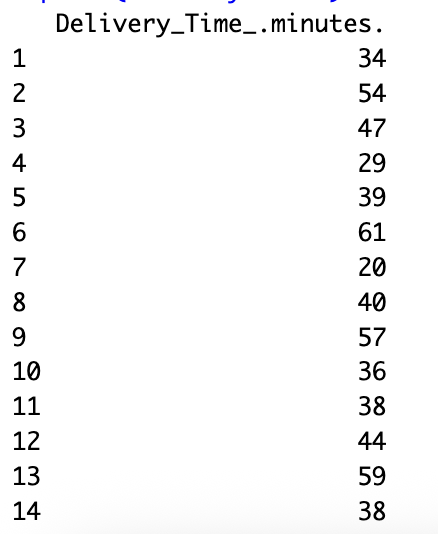
Kulasuriya W.N.N

Exercise

1. Import the dataset (’Exercise – Lab 05.txt’) into R and store it in a data frame

called ”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.

A computer code with text

AI-generated content may be incorrect.

A graph of a delivery

AI-generated content may be incorrect.

3. Comment on the shape of the distribution.

The distribution of delivery times is right-skewed, with the majority of delivery times falling between 30 and 45 minutes. A few higher values (above 50 minutes) extend the tail to the right.

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

A screen shot of a computer code

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A graph with a line

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