**Year 2 Semester 1 (2025)**

IT2120 - Probability and Statistics Lab Sheet 04

# Lab Exercise 4 (Descriptive Statistics)



**FacultyofComputing**

**Exercise**

**Instructions:** Create a folder in your desktop with your registration number (Eg: ”IT.......”). You need to save the R script file and take screenshots of the command prompt with answers and save it in a word document inside the folder. Save both R script file and word document with your registration number (Eg: ”IT........”). After you finish the exercise, zip the folder and upload the zip file to the submission link.

* 1. Import the dataset (’Exercise.txt’) into R and store it in a data frame called ”branch data”.

A screenshot of a computer

AI-generated content may be incorrect.

A computer code with numbers and letters

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* 1. Identify the variable type and scale of measurement for each variable.

A close up of a computer screen

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* 1. Obtain boxplot for sales and interpret the shape of the sales distribution.



A graph with a box plot

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* 1. Calculate the five number summary and IQR for advertising variable.

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* 1. Write an R function to find the outliers in a numeric vector and check for outliers in years variables.

A computer screen shot of a code

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A screenshot of a computer code

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