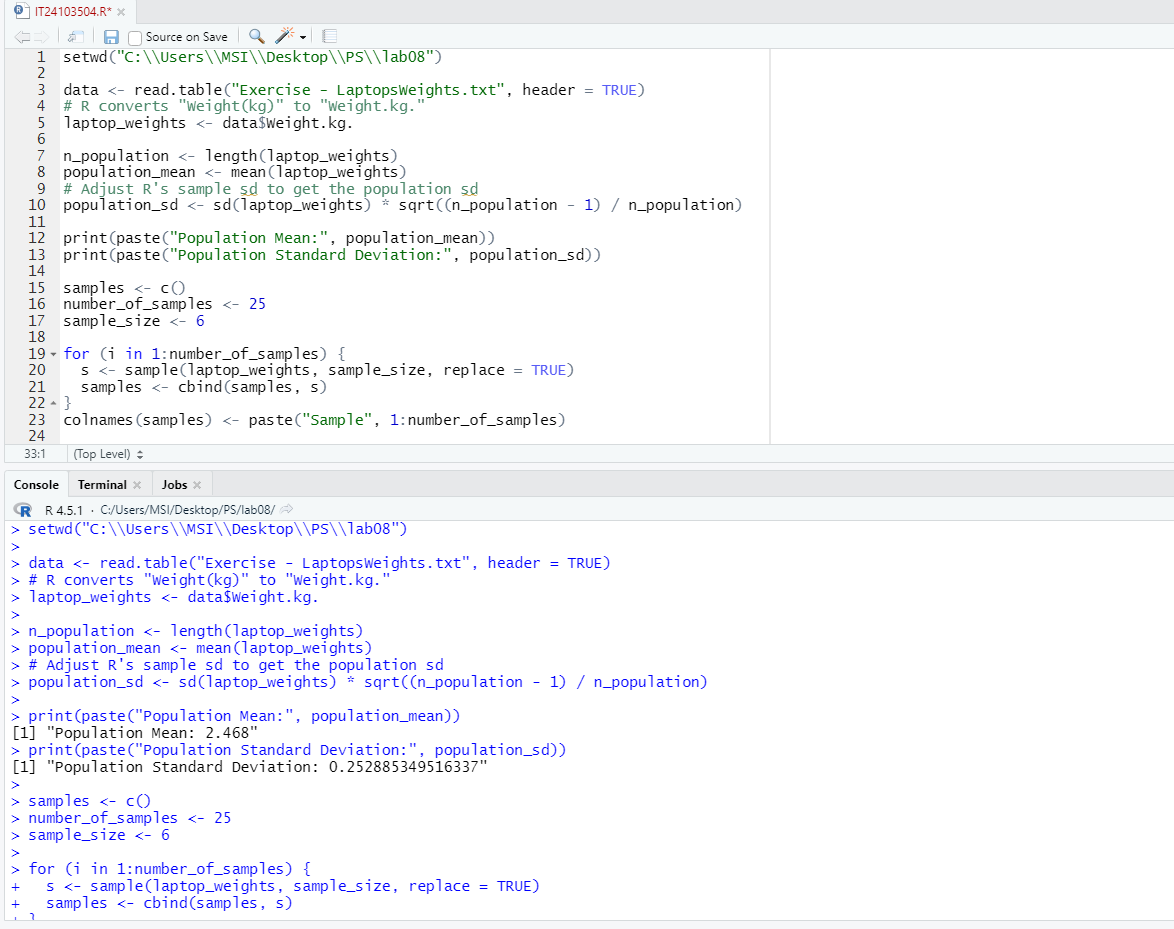
**Faculty of Computing**

Year 2 Semester 1 (2025)

IT2120 - Probability and Statistics

Lab Sheet 08

1. Calculate the population mean and population standard deviation of the laptop bag weights.



A screenshot of a computer

AI-generated content may be incorrect.

1. Draw 25 random samples of size 6 (with replacement) and calculate the sample mean and sample standard deviation for each sample.

A computer code with text

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A close-up of a letter

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1. Calculate the mean and standard deviation of the 25 sample means and state the relationship of them with true mean and true standard deviation.

A screenshot of a computer code

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A screenshot of a computer program

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