**Faculty of Computing**

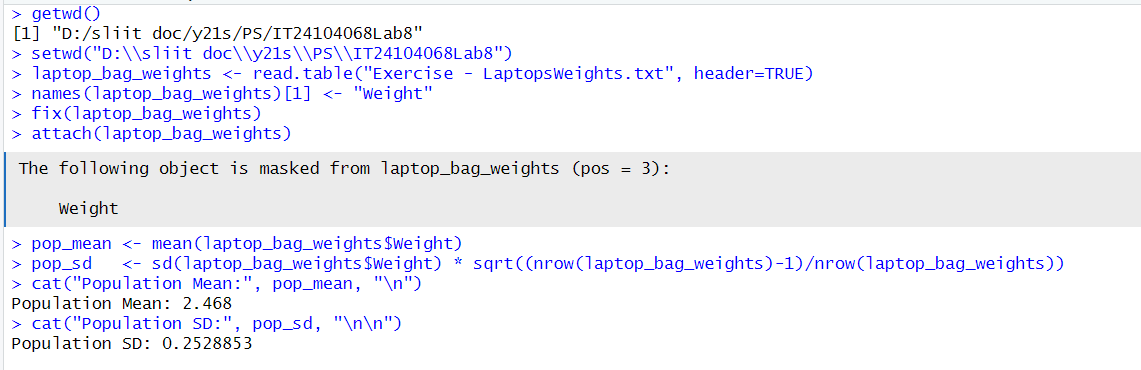
**Year 2 Semester 1 (2025)**

**IT2120 - Probability and Statistics**

**IT24104068**

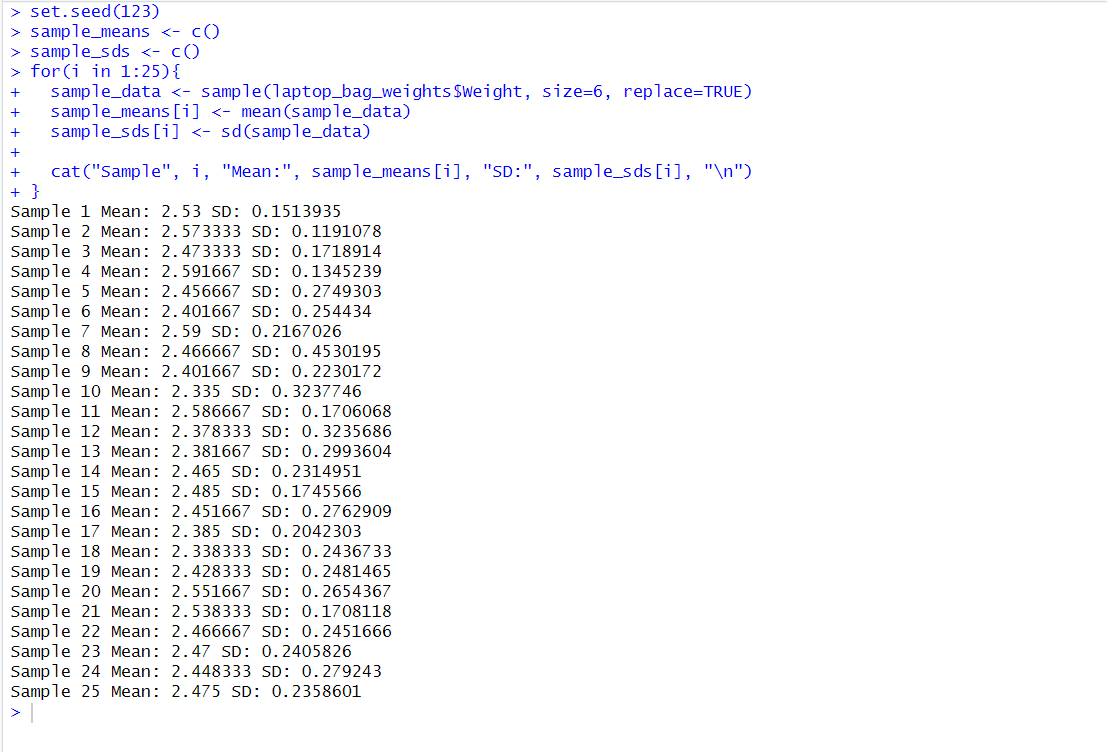
**Lab Sheet 08**

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

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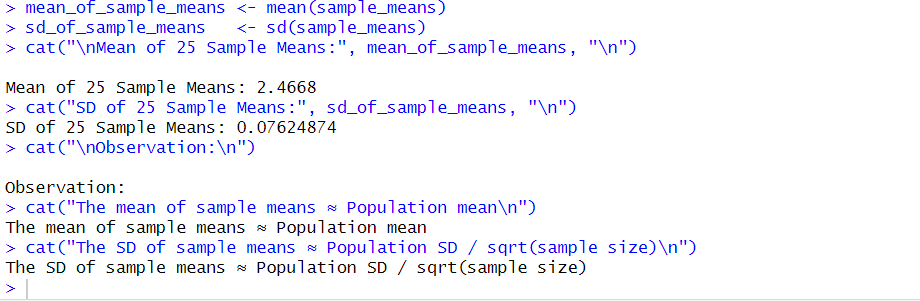
1. **Draw 25 random samples of size 6 (with replacement) and calculate the sample mean and sample standard deviation for each sample.**

**A close-up of a computer screen

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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 close-up of a computer code

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