Sri Lanka Institute of Information

Technology



Lab Submission

Lab sheet No 08

**IT24100011**

**Jayanandana S.D.S**

**Probability and Statistics - IT2120**

B.Sc. (Hons) in Information Technology

**Exercise**

A screenshot of a computer program

AI-generated content may be incorrect.1. Calculate the population mean and population standard deviation of the laptop bag weights.

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

A screenshot of a computer program

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A screenshot of a computer

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3. 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

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