Sri Lanka Institute of Information

Technology



Lab Submission

<Lab sheet No 08>

**<IT24103815>**

**<Fernando W.P.S.>**

**IT2120 - Probability and Statistics**

B.Sc. (Hons) in Information Technology

Exercise

A screenshot of a computer

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A computer screen shot of a computer

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

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Answer: -

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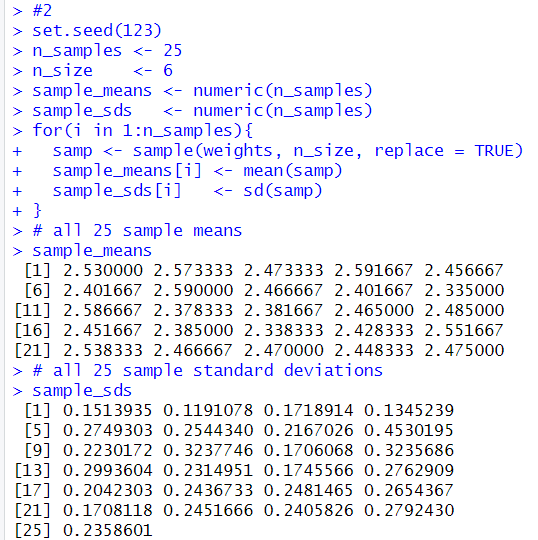
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1. Draw 25 random samples of size 6 (with replacement) and calculate the sample mean and sample standard deviation for each sample.

A computer screen shot of a number

AI-generated content may be incorrect.

Answer: -



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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Answer: -

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