Sri Lanka Institute of Information

Technology



Lab Submission

Lab sheet No.8

**IT23329560**

**Palihaderuarachchi W S**

**Probability & Statistics | IT2120**

B.Sc. (Hons) in Information Technology

**Exercise**

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

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

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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.

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