**IT24100765**

**Perera S.A.L.N**

**PS Lab 8**

**IT2120 - Probability and Statistics**

**Exercise**

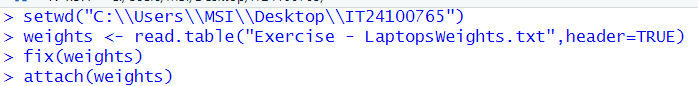
1. Calculate the population mean and population standard deviation of the laptop bag weights.

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

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.

ALL Answers  
  
A screenshot of a computer program

AI-generated content may be incorrect.



A close-up of a computer code

AI-generated content may be incorrect.

A computer code with black text

AI-generated content may be incorrect.

A computer screen shot of a computer code

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

A black text on a white background

AI-generated content may be incorrect.

A white background with blue text

AI-generated content may be incorrect.