**Exercise**

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

A computer screen shot of a computer program

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A computer code with numbers and symbols

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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 code

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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 screenshot of a computer code

Description automatically generated

A screenshot of a computer code

Description automatically generated