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1. Which of the following statements describes an interval estimate?

1 / 1 point

- ☐ An interval estimate uses a single value to estimate a sample statistic.
- ☐ An interval estimate uses a range of values to estimate a sample statistic.
- ☐ An interval estimate uses a single value to estimate a population parameter.
- ☒ An interval estimate uses a range of values to estimate a population parameter.

☒ Correct
An interval estimate uses a range of values to estimate a population parameter.

2. What is the maximum expected difference between a population parameter and a sample estimate?

1 / 1 point

- ☐ Standard deviation
- ☐ Range
- ☒ Margin of error
- ☐ Confidence level

☒ Correct
Margin of error is the maximum expected difference between a population parameter and a sample estimate.

3. A 95% confidence interval means that 95% of all the data values in the dataset fall within the interval.

1 / 1 point

- ☒ False
- ☐ True

☒ Correct
A 95% confidence level refers to the success rate of the estimation process, not that the values in the dataset fall within the interval. This is a common misconception.