Congratulations! You passed!

Grade received 100% To pass 80% or higher

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1. A research team runs an experiment to determine if a new security system is more effective than the previous version. What type of results are required for the experiment to be statistically significant? 1 / 1 point

- (•) Results that are real and not caused by random chance
- ( ) Results that are unlikely to occur again
- ( ) Results that are inaccurate and should be ignored
- ( ) Results that are hypothetical and in need of more testing

Correct
In order for an experiment to be statistically significant, the results should be real and not caused by random chance.

2. In order to have a high confidence level in a customer survey, what should the sample size accurately reflect? 1 / 1 point

- (•) The entire population
- ( ) The trends from other customer surveys
- ( ) The most valuable members of the population
- ( ) The predictions of stakeholders

Correct
In order to have a high confidence level in a customer survey, the sample size should accurately reflect the entire population.

3. A data analyst determines an appropriate sample size for a survey. They can check their work by making sure the confidence level percentage plus the margin of error percentage add up to 100%. 1 / 1 point

- ( ) True
- (•) False

Correct
The confidence level percentage and margin of error percentage do not have to add up to 100%. They are independent of each other.