

Congratulations! You passed!

Grade received 100% **To pass** 80% or higher

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| 1. | In a one-sample hypothesis test, what does the null hypothesis state? | 1/1 point |
|----|---|-----------|
| | The population mean is less than an observed value. The population mean is not equal to an observed value. | |
| | | |
| | The population mean is greater than an observed value. | |
| | The population mean is equal to an observed value. | |
| | ○ Correct In a one-sample hypothesis test, the null hypothesis states that the population mean is equal to an observed value. | |
| 2. | A data professional conducts a hypothesis test. They discover that their p-value is less than the significance level. What conclusion should they draw? | 1/1 point |
| | O Decide the test is inconclusive. | |
| | Reject the alternative hypothesis. | |
| | Fail to reject the null hypothesis. | |
| | Reject the null hypothesis. | |
| | Correct To draw a conclusion about a hypothesis test, compare the p-value with the significance level. If the p-value is less than the significance level, reject the null hypothesis. If the p-value is greater than the significance level, fail to reject the null hypothesis. | |