

Lesson 12:
Hypothesis Testing

SEARCH

RESOURCES

CONCEPTS

✓ 23. Quiz: Calculating a p-value

✓ 24. Quiz: Calculating another p-v...

✓ 25. Connecting Errors and P-Valu...

✓ 26. Conclusions in Hypothesis Te...

✓ 27. Quiz: Connecting Errors and ...

✓ 28. Notebook + Quiz: Drawing Co...

✓ 29. Solution Notebook: Drawing C...

✓ 30. Other Things to Consider - Im...

✓ 31. Other Things to Consider - W...

✓ 32. Other Things to Consider - Ho...

✓ 33. Notebook + Quiz: Impact of S...

✓ 34. Solution Notebook: Impact of ...

💡

Mentor Help

Ask a mentor on our Q&A platform

💬

Peer Chat 1

Chat with peers and alumni

Quiz: Calculating another p-value

Quiz 1 and Quiz 2 and Quiz 3

Use the following to answer the three quiz questions below. Imagine we have t
alternative hypotheses:

$H_0 : \mu \leq 5$

$H_1 : \mu > 5$

And you collect data that provides you with a sample mean of 10.

QUESTION 1 OF 3

Based on the above, select the statement that is true.

We expect the population mean to be greater than 5.

☐ We expect the population mean to be less than 5.

☐ We have no idea where the population mean would be.

QUESTION 2 OF 3

Which of the following would be true regarding the p-value in this case.

We expect the p-value to be less than 50%.

☐ We expect the p-value to be greater than 50%.

☐ We cannot have any idea what the p-value would be in this case.

QUESTION 3 OF 3

Based on your sample mean of 10, which hypothesis seems more likely to

The null.

☐ The alternative.

☐ We cannot know.