

Lesson 12:  
Hypothesis Testing

SEARCH

RESOURCES

CONCEPTS

✓ 21. Video: Calculating the p-value

✓ 22. Quiz: What is a p-value Anyw...

✓ 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...

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Mentor Help

Ask a mentor on our Q&A platform

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Peer Chat 1

Chat with peers and alumni

Quiz: What is a p-value Anyway?

There was no change in the average morale of the company.

Null Hypothesis

The new program on average increased morale.

Alternative Hypothesis

The probability of the observed change in average morale occurring or an average change even more in favor of an increase in morale given there was actually no change in morale.

p-value

QUESTION 2 OF 2

Using the same example from the first quiz, match each of the below alte hypothesis with the way the distribution would be shaded. **The statistic is the sample mean after the program minus the sample mean before the program.**

Submit to check your answer choices!

ALTERNATIVE HYPOTHESIS

SHADING

There is no difference in the average morale.

Shade greater than the observed statistic and negative of our observed statistic to obtain the p-value.

The average morale after the program is higher than before the program.

Shade greater than the observed statistic to obtain the p-value.

The average morale after the program is lower than before the program.

Shade less than the observed statistic to obtain the p-value.

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