

Lesson 12:
Hypothesis Testing

SEARCH

RESOURCES

CONCEPTS

✓ 26. Conclusions in Hypothesis Tes...

✓ 27. Quiz: Connecting Errors and ...

✓ 28. Notebook + Quiz: Drawing Con...

✓ 29. Solution Notebook: Drawing C...

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

✓ 31. Other Things to Consider - Wh...

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

✓ 33. Notebook + Quiz: Impact of Sa...

✓ 34. Solution Notebook: Impact of ...

✓ 35. Notebook + Quiz: Multiple Tests

✓ 36. Solution Notebook: Multiple te...

✓ 37. Hypothesis Testing Conclusion

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Mentor Help

Ask a mentor on our Q&A platform

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Peer Chat 2

Chat with peers and alumni

Quiz: Connecting Errors and P-Values

Reject the null

Fail to reject the null

Reject the null

P-VALUE/ALPHA

CONCLU

p-value = 0.03, alpha = 0.05

Reject the null

p-value = 0.20, alpha = 0.01

Fail to reject the null

p-value = 0.10, alpha = 0.05

Fail to reject the null

QUESTION 2 OF 2

Use what you know about p-values and errors to match each term to the c

Fail to reject the null hypothesis

beta

Type II error

DEFINITION

TERM

The threshold for type I errors.

alpha

The worst type of error.

Type I error

Deciding the null is true, but really the alternative is true.

Type II error

Deciding the alternative is true but really the null is true.

Type I error

The choice made when the p-value is less than alpha

Reject the null hypothe