

MITx: 14.310x Data Analysis for Social Scientists

Helj



- Module 1: The Basics of R and Introduction to the Course
- ▶ Entrance Survey
- Module 2: Fundamentals of Probability, Random Variables, Distributions, and Joint Distributions
- Module 3: Gathering and Collecting Data, Ethics, and Kernel Density Estimates
- Module 4: Joint,
 Marginal, and
 Conditional
 Distributions &
 Functions of Random
 Variable

Module 7: Assessing and Deriving Estimators - Confidence Intervals, and Hypothesis Testing > Confidence Intervals and Hypothesis Testing > Hypothesis Testing Example, Continued - Quiz

Hypothesis Testing Example, Continued - Quiz

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Question 1

1/1 point (graded)

True or False: If you reduce your probability of a Type I error, it must be true that the proability of a Type II error goes down.

a. True

🏿 b. False 🗸

Explanation

You can reduce your probability of a Type I error by either increasing k, or increasing your sample size n. The trade-off Professor Ellison discussed in class is true assuming n is fixed. However, if you increase n, you can do better on both α and β .

Submit

You have used 1 of 1 attempt

- Module 5: Moments of a Random Variable,
 Applications to Auctions,
 Intro to Regression
- Module 6: Special
 <u>Distributions, the</u>

 <u>Sample Mean, the</u>
 <u>Central Limit Theorem,</u>
 and Estimation
- Module 7: Assessing and Deriving Estimators - Confidence Intervals, and Hypothesis Testing

Assessing and Deriving Estimators

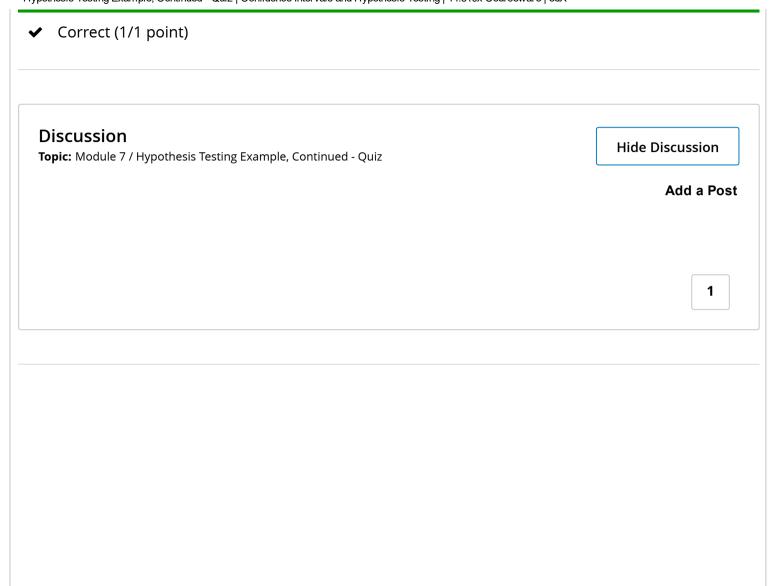
Finger Exercises due Nov 14, 2016 at 05:00 IST

Confidence Intervals and Hypothesis Testing

Finger Exercises due Nov 14, 2016 at 05:00 IST

Module 7: Homework

Homework due Nov 07, 2016 at 05:00 IST



Exit Survey

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