

MITx: 14.310x Data Analysis for Social Scientists

Help



#### **Bookmarks**

- 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,
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# Local Average Treatment Effect (LATE) - Quiz

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# **Question 1**

1/1 point (graded)

The Local Average Treatment Effect (LATE) represents the effect on the:

- a. Always takers
- b. Never takers
- c. Compliers
- d. Treatment group

## **Explanation**

The LATE represents the effect on the compliers, because the compliers are the individuals who could be affected by the treatment.

<u>Functions of Random</u> Variable

- 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>
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   and Estimation
- Module 7: Assessing and Deriving Estimators
   Confidence Intervals, and Hypothesis Testing
- Module 8: Causality,
   Analyzing Randomized
   Experiments, &
   Nonparametric
   Regression
- Module 9: Single and Multivariate Linear

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You have used 1 of 2 attempts

✓ Correct (1/1 point)

#### Question 2

0/1 point (graded)

What assumption would need to hold for the Wald estimate to equal the LATE?

- a. There are only "Compliers"
- b. There are no "Never takers" X
- c. There are no "Defiers"
- d. There are only "Always Takers"

#### **Explanation**

For the scholarship example, defiers are those who would go to secondary high school even if not offered a scholarship, but would not go if offered a scholarship. If these individuals existed, then we could not separate the effect on defiers from the LATE (the effect on the compliers).

#### Models

- Module 10: Practical Issues in Running Regressions, and Omitted Variable Bias
- Module 11: Intro to Machine Learning and Data Visualization
- ▼ Module 12:

   Endogeneity,
   Instrumental
   Variables, and
   Experimental Design

# **Endogeneity and Instrumental Variables**

Finger Exercises due Dec 14, 2016 05:00 IST

#### **Experimental Design**

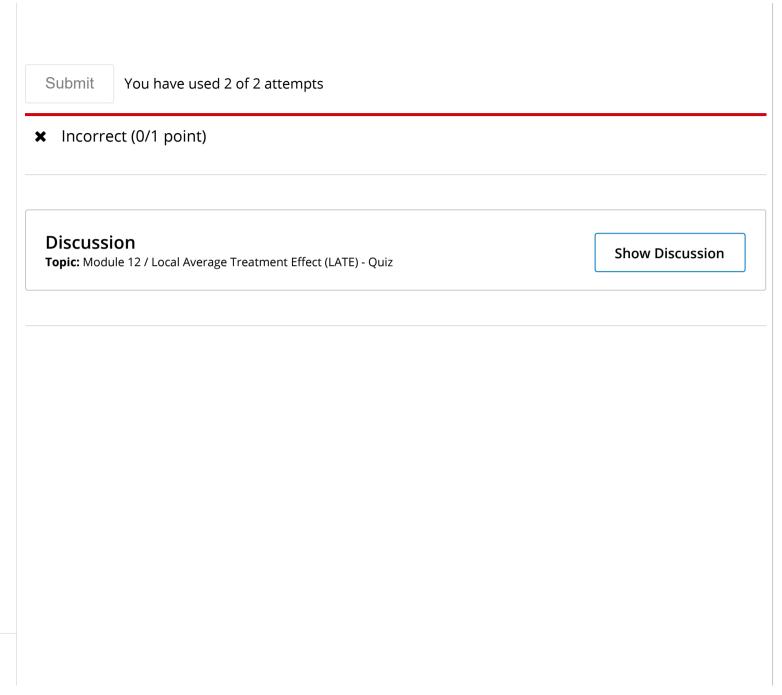
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### Module 12: Homework

<u>Homework due Dec 12, 2016</u> 05:00 IST

**B** 

Exit Survey



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