

#### MITx: 14.310x Data Analysis for Social Scientists

Heli



#### **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,
   Ethics, and Kernel
   Density Estimates
- Module 4: Joint,
   Marginal, and
   Conditional
   Distributions &
   Functions of Random
   Variable

Module 8: Causality, Analyzing Randomized Experiments, & Nonparametric Regression > Use of Randomization and Nonparametric Regression > Meta-Analysis - Quiz

# Meta-Analysis - Quiz

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## **Question 1**

1/1 point (graded)

What two factors explain different estimated treatment effects across different studies? (Select all that apply)

- a. The variation in precision across sites.
- b. Since the sample are finite, even if the underlying treatment effects are the same, the estimates may be different.
- c. The real treatment effects may genuinely differ across sites.
- d. The variation in the means in the control group across sites.



### **Explanation**

Think about it for a moment. Why would our estimate of the impact of a given program be different in two contexts? One reason might be something underlying about the context, or something underlying about your sample (two different random samples in the same context will give you different estimated

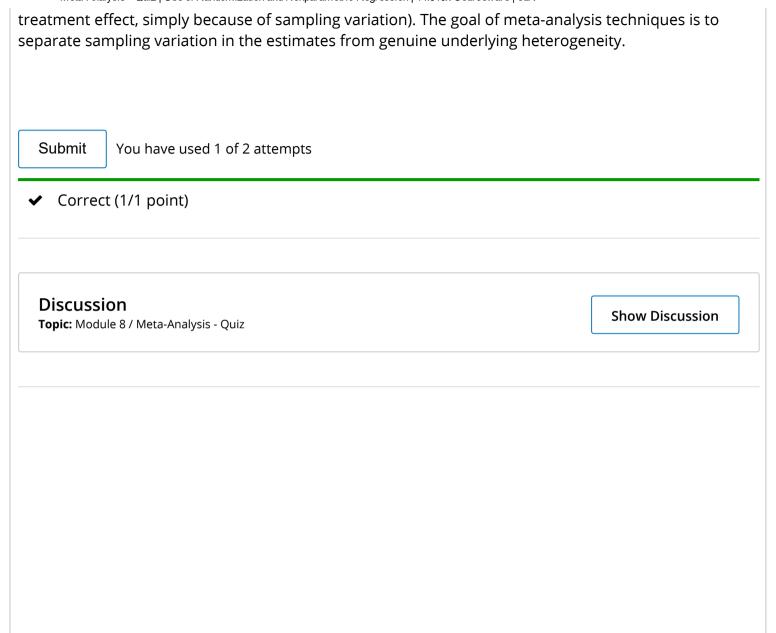
- Module 5: Moments of a Random Variable,
   Applications to Auctions,
   Intro to Regression
- Module 6: Special
   <u>Distributions, the</u>
   <u>Sample Mean, the</u>
   <u>Central Limit Theorem,</u>
   and Estimation
- Module 7: Assessing and Deriving Estimators - Confidence Intervals, and Hypothesis Testing
- Module 8: Causality,
   Analyzing Randomized
   Experiments, &
   Nonparametric
   Regression

#### **Causality**

Finger Exercises due Nov 21, 2016 at 05:00 IST

<u>Analyzing Randomized</u> <u>Experiments</u>

Finger Exercises due Nov 21, 2016 at 05:00 IST



## Use of Randomization and **Nonparametric Regression**

Finger Exercises due Nov 21, 2016 at 05:00 IST

#### Module 8: Homework

Homework due Nov 14, 2016 at 05:00 IST

- ▶ Module 9: Single and Multivariate Linear Models
- Exit Survey

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