

MITx: 14.310x Data Analysis for Social Scientists

Heli



- 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 > Analyzing Randomized Experiments > An Example Using Teacher Incentives: Set Up - Quiz

An Example Using Teacher Incentives: Set Up - Quiz

☐ Bookmark this page

Question 1

1/1 point (graded)

In the Duflo-Hanna-Ryan teacher incentive experiment discussed in class, the researchers aimed to increase teacher attendance in schools by providing incentives. They then measure the impacts on attendance and student outcomes. The table below shows the summary statistics for the experiment. This series of question is designed to give you some practice interpreting results tables.

For each, please provide your answer to second decimal place, i.e. exactly as it appears in the table.

Table 6.1: Summary Statistics for Duflo-Hanna-Ryan Teacher-Incentive Data

	Variable	Control avg	$(N_c = 54)$ (s.d.)	Treated avg	$ (N_t = 53) $ (s.d.)	min	max
pretreatment	pctprewritten	0.19	0.19	0.16	0.17	0.00	0.67
posttreatment	open pctpostwritten	0.58 0.47	0.19 0.19	$0.80 \\ 0.52$	0.13 0.23	$0.00 \\ 0.05$	1.00 0.92
	written written_all	0.92 0.46	0.45 0.32	1.09 0.60	0.42 0.39	0.07 0.04	2.22 1.43

- 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

Analyzing Randomized Experiments

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

A) On average, what fraction of time are the schools in the control group open in the "posttreatment" period? (Refer to the "open" variable)

0.58 **✓** Answer: 0.58 **0.58**

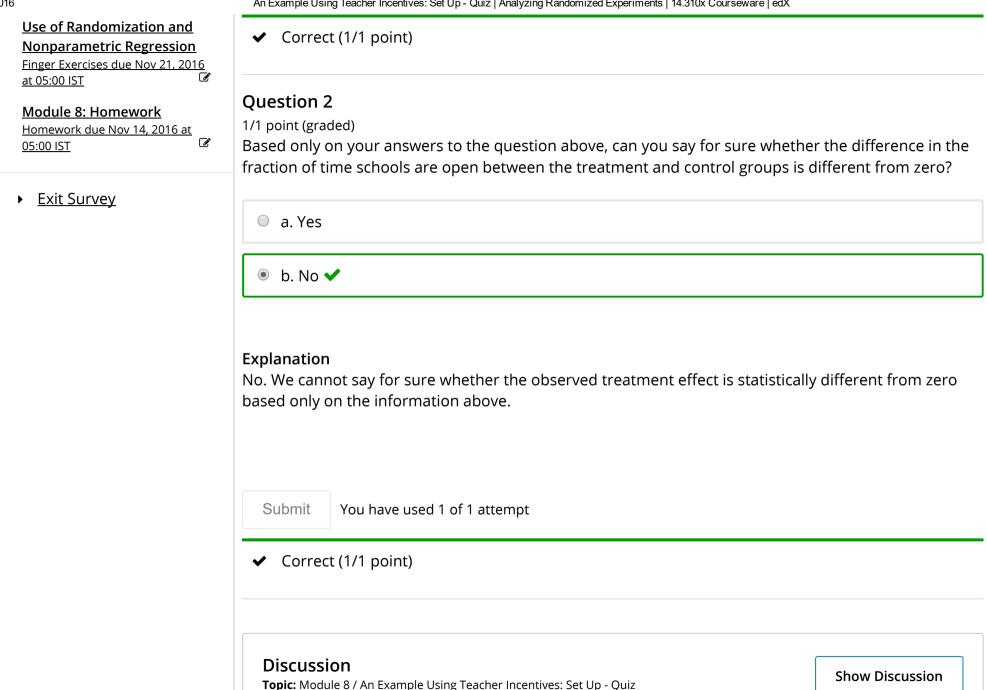
B) On average, what fraction of time are the schools in the treatment group open in the "posttreatment" period?

0.80 **✓** Answer: 0.80 **0.80**

C) On average, what is the difference in the fraction of time that the schools are open in the treatment and control groups in the "posttreatment" period? (Note: Provide your answer as a positive number).

Explanation

Submit You have used 1 of 2 attempts



© All Rights Reserved



© 2016 edX Inc. All rights reserved except where noted. EdX, Open edX and the edX and Open EdX logos are registered trademarks or trademarks of edX Inc.















