

STA 235 - JITT 4

Please answer before Sunday Feb 28th, 11:59 PM

* Required

1. Email *

2. EID *

Natural Experiments

3. What is the main difference between a natural experiment and a randomized controlled trial? *

4. Imagine that you want to estimate the effect that different discounts have on sales. You have data from one retailer that gave away 15% discount coupons to their first 1,000 customers, and 10% for the 1,001 to 2,000 customer. Is this a natural experiment? Why or why not? *

5. For the previous scenario, provide an example of the assumption that would need to hold in order to be a natural experiment. *

Differences in Differences

6. Your work at Spotify, and Taylor Swift just released an album (again!). Due to a glitch in the system, people on the West Coast were able to access the album a day early, so you think this could be a great setting for a Diff-in-Diff analysis on the popularity of Tay-tay! What would the two dimensions of your analysis be in this case?

Feedback and questions

This section is optional. Please answer truthfully to help improve your experience!

7. About the class videos that have been posted...

Mark only one oval.

- ☐ I've watched all of them
- ☐ I've watched some
- ☐ I haven't gotten around to watching them yet
- ☐ I'd rather not respond

8. If you have watched at least some of the class videos, did you find the video lecture...

Mark only one oval.

- ☐ Too fast-paced
- ☐ Pace was ok
- ☐ Too slow-paced

9. If you have watched at least some of the class videos, did you find the live R coding useful?

Mark only one oval.

	1	2	3	4	5	
Not useful at all	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very useful

10. Do you have any questions related to the material we covered in the previous classes?

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