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What Can We Say About the Exclusion Restriction? - Quiz

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Question 1

1/1 point (graded)

Which of the following would imply a violation of the exclusion restriction in Guido Imbens' flu shot experiment?

- ☐ a. If the letter reminded doctors to give flu shots
- ☐ b. If some doctors did not read the letter
- ☐ c. If some patients did not follow ignored the doctor's advice
- ☒ d. If the letter reminded doctors to give advice regarding handwashing or other ways to prevent the flu ✓

Explanation

The letter reminding the doctors to give flu shots is a necessary assumption for the validity of the instrument, otherwise the first stage would be 0, and both your estimate and its standard errors would blow up to infinity. If some doctors did not read the letter, it might weaken the first stage

Functions of Random Variable

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relationship but would not make the instrument invalid. If some patients ignore their doctors, it also might weaken the first stage relationship but would not make the instrument invalid. If the letter reminded doctors not only about flu shots, but also about handwashing, then this would violate the exclusion restriction by affecting sick days through a channel other than the flu shot.

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You have used 1 of 2 attempts

✓ Correct (1/1 point)

Discussion


Topic: Module 12 / What Can We Say About the Exclusion Restriction? - Quiz

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
Models

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- ▼ Module 12: Endogeneity, Instrumental Variables, and Experimental Design


Endogeneity and Instrumental Variables

Finger Exercises due Dec 14, 2016
05:00 IST 

Experimental Design

Finger Exercises due Dec 14, 2016
05:00 IST 

Module 12: Homework

Homework due Dec 12, 2016
05:00 IST 

- ▶ Exit Survey



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