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The OVB Formula in Action - Quiz

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Question 1

1/1 point (graded)

Suppose that those who eat healthier also exercise and their exercise makes them more alert during the day.

In what direction is your estimate likely to be biased if you fail to control for exercise given the relationship described above?

- ☒ a. upward biased ✓
- ☐ b. not biased
- ☐ c. downward biased
- ☐ d. cannot determine before looking at the estimates.

Explanation

- ▶ [Module 5: Moments of a Random Variable, Applications to Auctions, & Intro to Regression](#)
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The relationship described above suggests that exercise is negatively correlated with a high fat diet, and negatively correlated with day time sleepiness. So going back to our OVB formula, since we expect both terms to be negative, the OVB will be positive and therefore the coefficient is biased upward.

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✓ Correct (1/1 point)

Discussion

Topic: Module 10 / The OVB Formula in Action - Quiz

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Regressions, and Omitted Variable Bias

Practical Issues in Running Regressions

due Dec 5, 2016 05:00 IST



Omitted Variable Bias

due Dec 5, 2016 05:00 IST



Module 10: Homework

due Nov 28, 2016 05:00 IST



- ▶ Module 11: Intro to
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