Questions

#1

1/1 point (graded)
Which of the following situations is expected to result in bias? (check all that apply)

- [x] The existence of a shared cause of treatment and outcome
- [ ] The existence of a common effect of treatment and outcome.
- [x] Conditioning on a common effect of treatment and outcome
- [ ] Conditioning on a shared cause of treatment and outcome

✔

Explanation
The existence of a shared cause of treatment and outcome describes the structure of confounding (see the video for 4. Confounding for more information). Conditioning on a common effect of treatment and outcome (i.e. a collider) describes the structure of selection bias.

| Submit | You have used 1 of 3 attempts |

ℹ Answers are displayed within the problem

#2

1/1 point (graded)
We can induce selection bias by conditioning on the downstream consequence of a collider.

- (●) True
- ( ) False

✔

Explanation
Conditioning on the downstream consequence of a collider is similar to conditioning on the collider itself. As such, this will introduce selection bias (see the video for 5. Selection Bias at 8:57 for more information).

| Submit | You have used 1 of 1 attempt |

ℹ Answers are displayed within the problem