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New Data and Machine Learning - Quiz

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Question 1

1/1 point (graded)

True or False: Relative to survey data, data which is pre-processed using machine learning methods is much less reliable.

- a. True
- b. False ✔

Explanation

For any type of data, there is always the risk that you are not measuring what you think you are measuring. You could have a great algorithm that does very well at predicting a variable that is intended to be a proxy for something else, and that could turn out to be a better measure than survey data or other forms. There are also things you can't measure directly through survey data or other more traditional data collection methods. For example, if you are interested in summarizing features of language or speech, or features of satellite data, you would not be able to do this through traditional data collect methods. So prediction can be used to generate measures by turning the measurement problem into a prediction problem of predicting a particular meaningful feature based on a lot of other features.

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Discussion
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