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Mathematical Foundations of Machine Learning - Quiz

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Question 1

0/1 point (graded)

True or False: Unlike parameter estimation, prediction does not require the probability distribution of your sample to be independently and identically distributed (i.i.d).

- (•) a. True ✖
- ( ) b. False

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✖ Incorrect (0/1 point)

Question 2

0/1 point (graded)

True or False: Machine learning has the potential to improve our estimations in the world, by helping us produce certain variables, parameters, and data that can later be run in our estimation machine.

- a. True
- b. False ✖

Explanation

This statement is true. As mentioned by Professor Mullainathan, machine learning can help us in providing variables that we later use in our estimation regressions such as probability of treatment, propensity score matching, or improving first stage estimates in non-RCT instrumental variables (which we will explore further in other modules.)

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✖ Incorrect (0/1 point)

Discussion

Topic: Module 11 / Mathematical Foundations of Machine Learning - Quiz

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