

# Quiz: Deep Learning

Due Feb 17 at 3:30pm

Points 3

Questions 3

Time Limit 10 Minutes

## Instructions

This is an individual quiz with a 10 minutes limit.

## Attempt History

	Attempt	Time	Score
LATEST	<a href="#">Attempt 1</a>	3 minutes	3 out of 3

Score for this quiz: **3** out of 3

Submitted Feb 5 at 5:51pm

This attempt took 3 minutes.

### Question 1

1 / 1 pts

What is stochastic gradient descent?



It is a numerical estimation method to find the coefficients that minimize the descending gradient



It is a numerical estimation method to find the coefficients that maximize the loss function.



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It is a numerical estimation method to find the coefficients that minimize the loss function.

Correct!

## Question 2

1 / 1 pts

What is the difference between OLS and Deep Learning

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OLS is a more sophisticated way than deep learning to minimize the loss function.

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OLS is a sequence of deep learning models.

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Deep learning is a sequence of OLS regressions.

☒

In OLS, you need to pre-specify all the meaningful interactions among all the variables. In deep learning models, the algorithm picks the meaningful interactions by itself.

Correct!

## Question 3

1 / 1 pts

How do you train deep learning models?

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Using OLS

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Using backward propagation

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Using activation functions

☐

Using stochastic gradient descent

Correct!

Quiz Score: **3** out of 3