Keep Learning

grade 100%

TO PASS 80% or higher

Introduction to Deep Learning

LATEST SUBMISSION GRADE

100%

What does the analogy "Al is the new electricity" refer to?

1 / 1 point

- Similar to electricity starting about 100 years ago, Al is transforming multiple industries.
- Al runs on computers and is thus powered by electricity, but it is letting computers do things not possible before.
- Al is powering personal devices in our homes and offices, similar to electricity.
- Through the "smart grid", Al is delivering a new wave of electricity.



Yes. Al is transforming many fields from the car industry to agriculture to supply-chain...

2. Which of these are reasons for Deep Learning recently taking off? (Check the three options that apply.)

1 / 1 point

Deep learning has resulted in significant improvements in important applications such as online advertising, speech recognition, and image recognition.



These were all examples discussed in lecture 3.

- Neural Networks are a brand new field.
- We have access to a lot more data.

✓ Correct

Yes! The digitalization of our society has played a huge role in this.

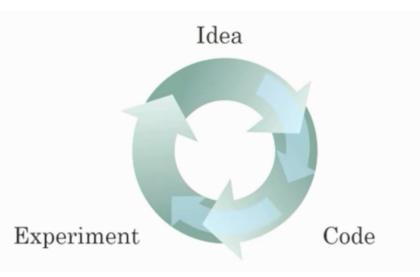
We have access to a lot more computational power.

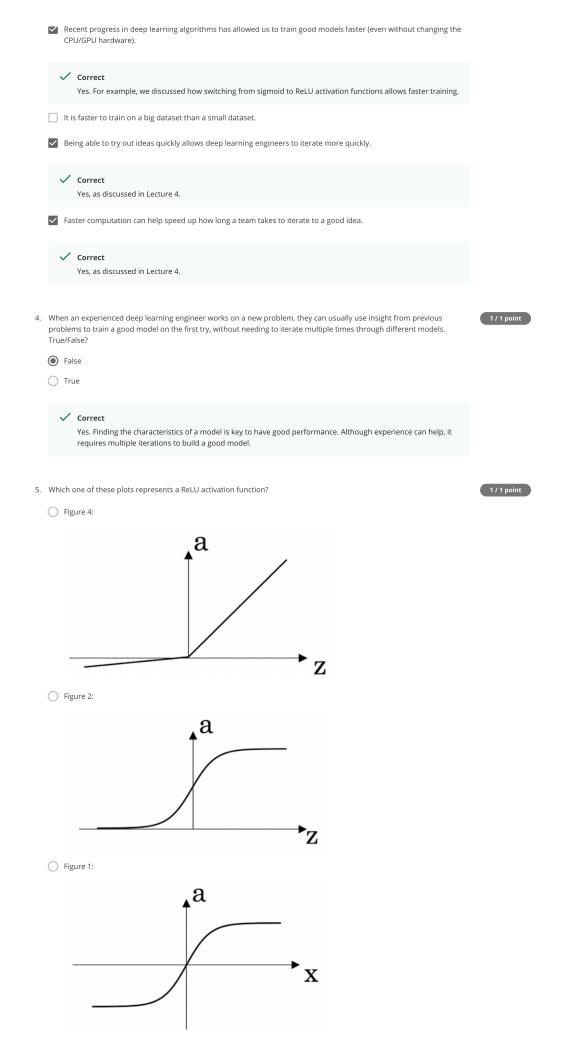
✓ Correct

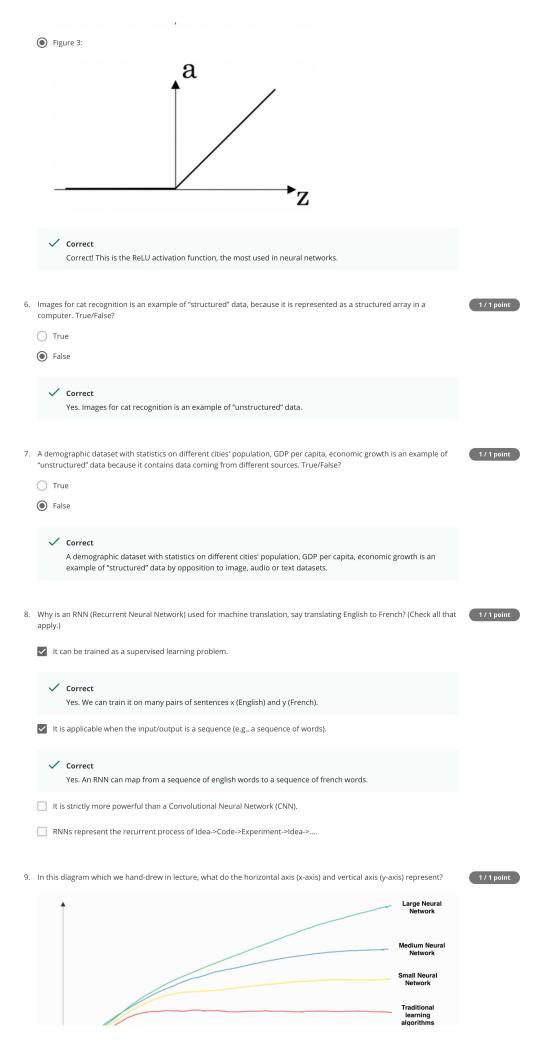
Yes! The development of hardware, perhaps especially GPU computing, has significantly improved deep learning algorithms' performance.

3. Recall this diagram of iterating over different ML ideas. Which of the statements below are true? (Check all that apply.)

1 / 1 point







	•	
•	• x-axis is the amount of data	
	• y-axis (vertical axis) is the performance of the algorithm.	
С	x-axis is the amount of data	
	• y-axis is the size of the model you train.	
C	x-axis is the input to the algorithm	
	• y-axis is outputs.	
	x-axis is the performance of the algorithm	
	y-axis (vertical axis) is the amount of data.	
	✓ Correct	
wh	csuming the trends described in the previous question's figure are accurate (and hoping you got the axis labels right), nich of the following are true? (Check all that apply.) Increasing the size of a neural network generally does not hurt an algorithm's performance, and it may help significantly.	1 / 1 point
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wh	issuming the trends described in the previous question's figure are accurate (and hoping you got the axis labels right), nich of the following are true? (Check all that apply.) Increasing the size of a neural network generally does not hurt an algorithm's performance, and it may help significantly. Correct Yes. According to the trends in the figure above, big networks usually perform better than small networks. Decreasing the training set size generally does not hurt an algorithm's performance, and it may help significantly. Decreasing the size of a neural network generally does not hurt an algorithm's performance, and it may help significantly.	1/1 point