Due Aug 7, 11:59 PM +03

 \leftarrow Back

Graded Quiz • 50 min

▲ Try again once you are ready

Grade received 50%

Latest Submission Grade 50%

To pass 80% or higher

Try again

1.	L. What does the analogy "AI is the new electricity" refer to?				
	Al is powering personal devices in our homes and offices, similar to electricity.				
	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. 				
	∠ [™] Expand				
	 Correct Yes. AI is transforming many fields from the car industry to agriculture to supply-chain 				

2. Which of the following play a major role to achieve a very high level of performance with Deep Learning algorithms?

0 / 1 point

Large amounts of data.

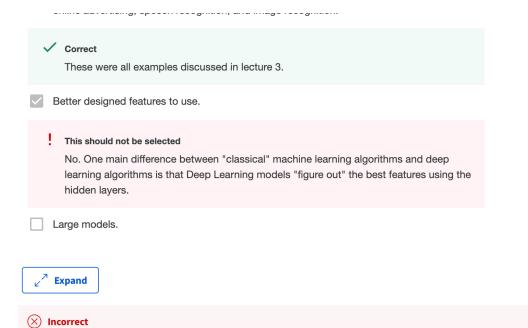


✓ Correct

Yes. Some of the most successful Deep Learning algorithms make use of very large datasets for training.

Smaller models.

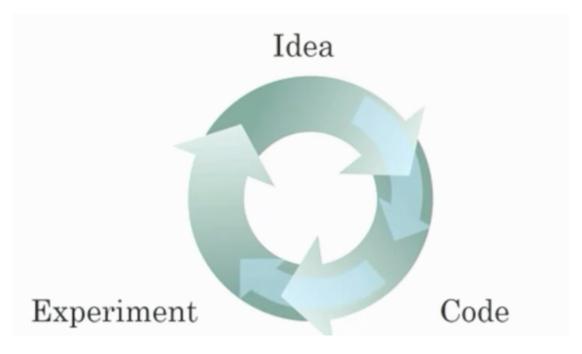
Deep learning has resulted in significant improvements in important applications such as online advertising, speech recognition, and image recognition.



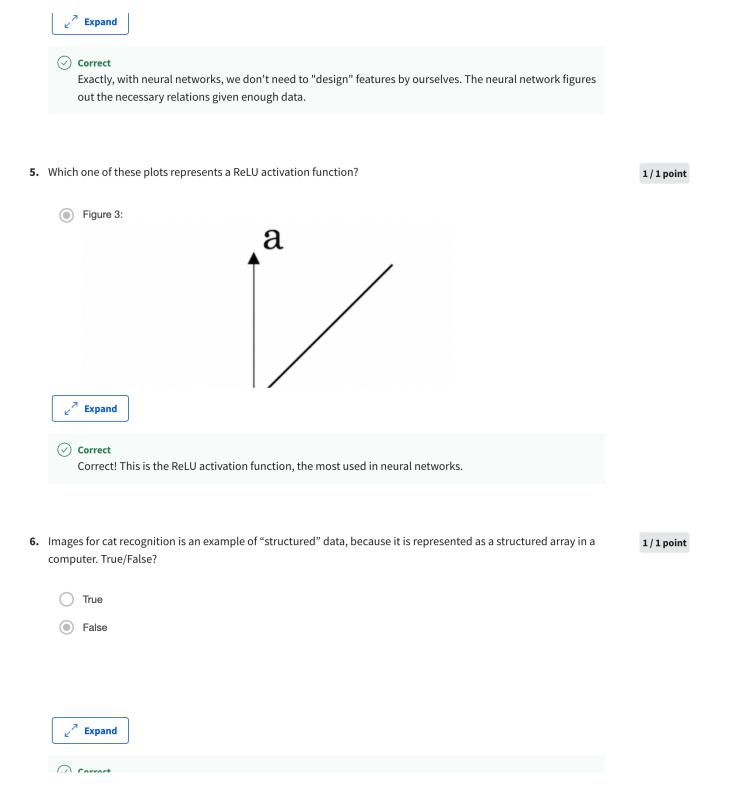
3. Recall the diagram of iterating over different ML ideas. Which of the stages shown in the diagram was improved with the use of a better GPU/CPU?

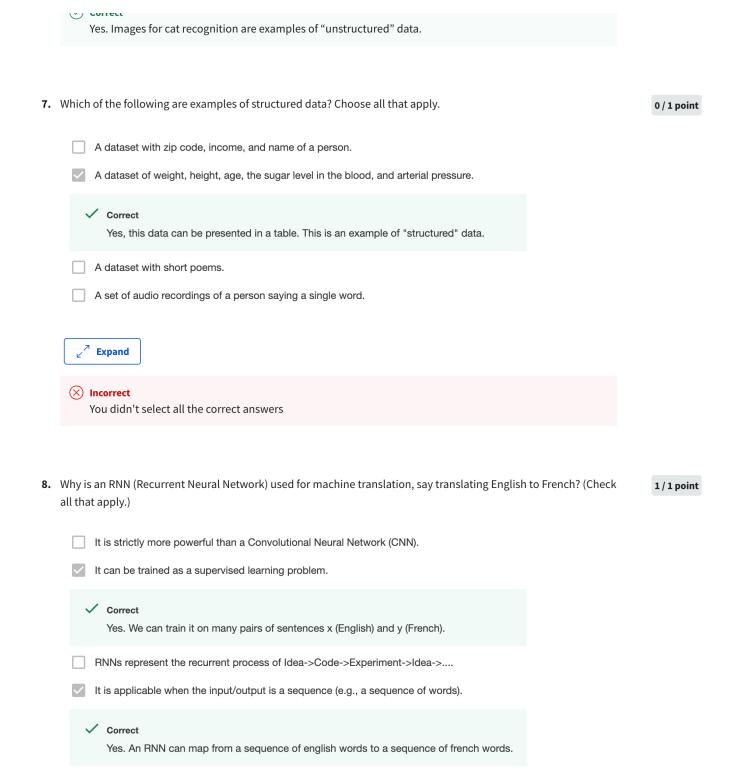
You didn't select all the correct answers

0 / 1 point



With larger datasets, the iteration process is faster.	
! This should not be selected No. Training with more data usually requires more time.	
Some algorithms are specifically designed to run experiments faster.	
 Correct Yes. Some algorithms look specifically to improve the time needed to run an experiment and thus enable us to produce better models. 	
Without better hardware, there is no way to train models faster.	
Experiments finish faster, producing better ideas through increased iteration tempo.	
 Correct Yes. The experiments help to test ideas, by getting the feedback from the experiments new variations can be tested and the results might indicate new directions to explore. 	
Expand	
Nou chose the extra incorrect answers.	
Neural networks are good at figuring out functions relating an input x to an output y given enough examples. True/False?	1/1 point
○ False	
True	





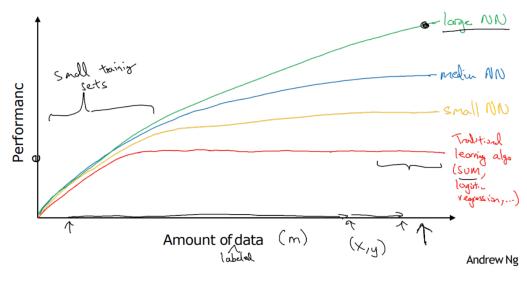


⊘ Correct

Great, you got all the right answers.

9. 0/1 point

Scale drives deep learning progress



From the given diagram, we can deduce that Large NN models are always better than traditional learning algorithms. True/False?



False

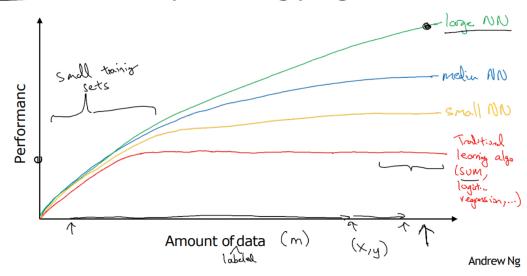




10. Assuming the trends described in the figure are accurate. The performance of a NN depends only on the size of the NN. True/False?

0 / 1 point

Scale drives deep learning progress



False

True



 \bigotimes Incorrect

No. According to the trends in the figure above, It also depends on the amount of data.