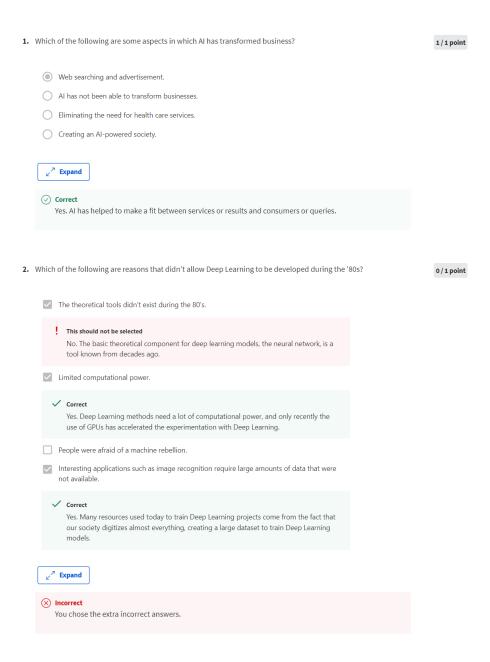
Congratulations! You passed!

Grade Latest Submission received 90% Grade 90%

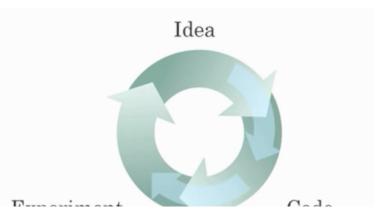
To pass 80% or higher

Go to next item

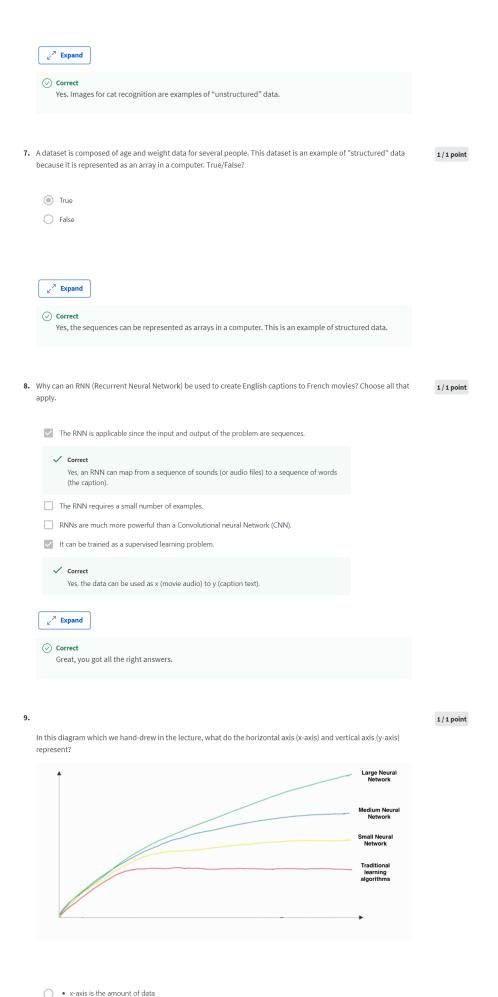


3. Recall this diagram of iterating over different ML ideas. Which of the statements below are true? (Check all that apply.)

1/1 point



	Recent progress in deep learning algorithms has allowed us to train good models faster (even without changing the CPU/GPU hardware).	
	 Correct Yes. For example, we discussed how switching from sigmoid to ReLU activation functions allows faster training. 	
	Being able to try out ideas quickly allows deep learning engineers to iterate more quickly.	
	✓ Correct Yes, as discussed in Lecture 4.	
	It is faster to train on a big dataset than a small dataset.	
	Faster computation can help speed up how long a team takes to iterate to a good idea.	
	✓ Correct Yes, as discussed in Lecture 4.	
	∠ [™] Expand	
	○ Correct Great, you got all the right answers.	
4.	When building a neural network to predict housing price from features like size, the number of bedrooms, zip code, and wealth, it is necessary to come up with other features in between input and output like family size and school quality. True/False?	1/1 point
	False True	
	∠ ⁷ Expand	
	Correct A neural network figures out by itself the "features" in between using the samples used to train it.	
5.	ReLU stands for which of the following?	1/1 point
	Representation Linear Unit	
	Rectified Last Unit	
	Recognition Linear Unit	
	Rectified Linear Unit	
	∠ [™] Expand	
6.	Images for cat recognition is an example of "structured" data, because it is represented as a structured array in a computer. True/False?	1/1 point
	False	
	○ True	



v-axis is the performance of the algorithm

• y-axis is the size of the model you train.

\cup	y-axis (vertical axis) is the amount of data.	
•	• x-axis is the amount of data • y-axis (vertical axis) is the performance of the algorithm.	
0	x-axis is the input to the algorithm y-axis is outputs.	
ر ا	Expand	
\odot) Correct	
	uning the trends described in the previous question's figure are accurate (and hoping you got the axis labels t), which of the following are true? (Check all that apply.)	1 / 1 point
	Decreasing the size of a neural network generally does not hurt an algorithm's performance, and it may help significantly.	
	Decreasing the training set size generally does not hurt an algorithm's performance, and it may help significantly.	
V	Increasing the training set size generally does not hurt an algorithm's performance, and it may help significantly.	
`	✓ Correct Yes. Bringing more data to a model is almost always beneficial.	
\checkmark	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. 	
L 7	2 Expand	
\sim	Correct Great, you got all the right answers.	