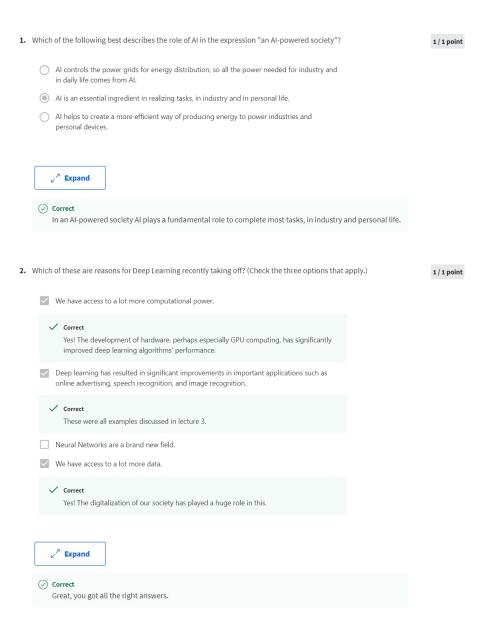
Congratulations! You passed!

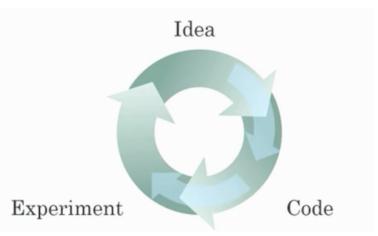
Grade received 100%

Latest Submission Grade 100% To pass 80% or higher

Go to next item

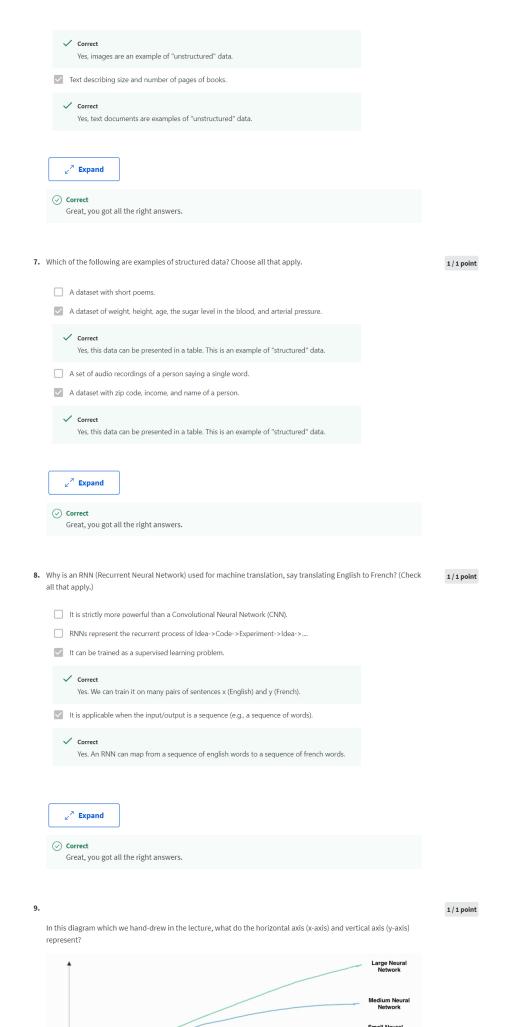


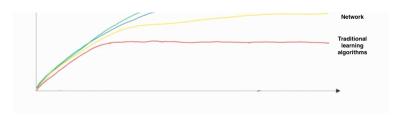
Recall this diagram of iterating over different ML ideas. Which of the statements below are true? (Check all that apply.) 1/1 point



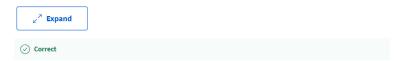
	Larger amounts of data allow researchers to try more ideas and then produce better algorithms in less time.	
	 Better algorithms allow engineers to get more data and then produce better Deep Learning models. 	
	Better algorithms can speed up the iterative process by reducing the necessary computation time.	
	Correct Yes. Recall how the introduction of the ReLU activation function helped reduce the time needed to train a model.	
	Improvements in the GPU/CPU hardware enable the discovery of better Deep Learning algorithms.	
	 Correct Yes. By speeding up the iterative process, better hardware allows researchers to discover better algorithms. 	
	_∠ ^ス Expand	
	⊙ Correct Great, you got all the right answers.	
4.	When experienced deep learning engineers work on a new problem, they can usually use insight from previous problems to train a good model on the first try, without needing to iterate multiple times through different models. True/False?	1/1 point
	False	
	○ True	
	 ✓ Correct Yes. Finding the characteristics of a model is key to having good performance. Although experience can help, it requires multiple iterations to build a good model. 	
5.	ReLU stands for which of the following?	1/1 point
	Rectified Linear Unit	
	Rectified Last Unit	
	Recognition Linear Unit Representation Linear Unit	
	∠ ⁷ Expand	
	○ Correct Correct, ReLU stands for Rectified Linear Unit.	
6.	Which of the following are examples of unstructured data? Choose all that apply.	1 / 1 point
	Information about elephants' weight, height, age, and the number of offspring.	
	Sound files for speech recognition.	
	✓ Correct	

Images for bird recognition.





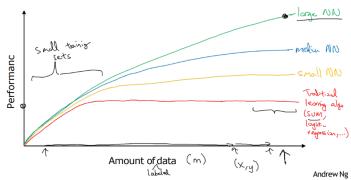
- x-axis is the performance of the algorithm
 - y-axis (vertical axis) is the amount of data.
- x-axis is the input to the algorithm
 - y-axis is outputs.
- x-axis is the amount of data
 - y-axis is the size of the model you train.
- x-axis is the amount of data
 - y-axis (vertical axis) is the performance of the algorithm.



10. Assuming the trends described in the figure are accurate. Which of the following statements are true? Choose all that apply.

1/1 point

Scale drives deep learning progress



- Increasing the training set size of a traditional learning algorithm always improves its performance.
- Increasing the training set size of a traditional learning algorithm stops helping to improve the performance after a certain size.

✓ Correct

Yes. After a certain size, traditional learning algorithms don't improve their performance.

Increasing the size of a neural network generally does not hurt an algorithm's performance, and it may help significantly.

✓ Corre

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.



⊘ Correct

Great, you got all the right answers.