Quiz 1 (ML basics, week1)

Due Apr 2 at 11:59pm	Points 10	Questions 16	Time Limit None	
Allowed Attempts 2				

Instructions

For each question, choose all answers that you think are correct. Please study the slides before you start. You'll have two chances for each quiz. There is no time limit. Due Friday.

Take the Quiz Again

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	12 minutes	7.42 out of 10

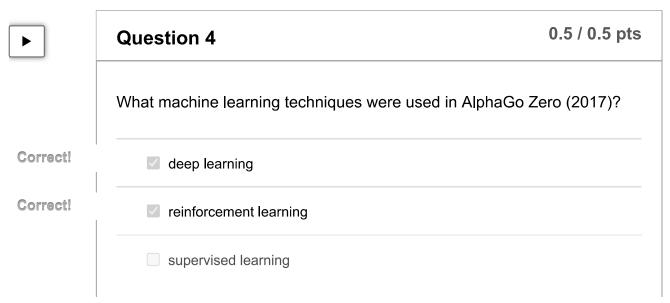
Score for this attempt: 7.42 out of 10

Submitted Apr 1 at 6:55am This attempt took 12 minutes.

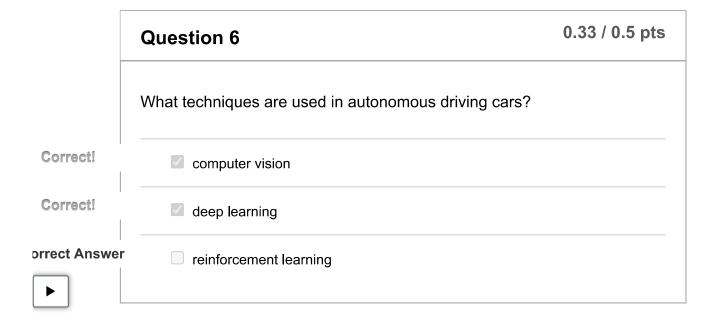
	Question 1	0.5 / 0.5 pts
Correct!	Which of the following breakthrough(s) in AI does *not* use learning?	machine
	■ IBM Deep Blue	
	IBM Watson	
	Google Deepmind AlphaGo	

How would you describe the relationship between machine learning (ML) and deep learning (DL)? ML is a subfield of DL DL is a subfield of ML DL supercedes ML

	Question 3	0.33 / 0.5 pts
	What machine learning techniques were used in AlphaG	o (2016)?
Correct!	deep learning	
orrect Answer	reinforcement learning	
Correct!	supervised learning	



What is the relationship between machine learning and natural language processing (NLP)? ML is a sufield of NLP NLP is a subfield of ML Drrect Answer ML and NLP are two subfields of AI, but neither is a subfield of the other.



Question 7 John got 100% accuracy on his training data. Jane got 90% accuracy on the same training set. Which model is better?

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	O John's
ou Answered	Jane's
orrect Answer	can't tell

	Question 8	1 / 1 pts
	Which of the following help reduce overfitting?	
	train on a smaller dataset	
Correct!	use a smaller (i.e., simpler) model	
Correct!	use a held-out set for early stopping	
Correct!	✓ regularization	

Question 9

1 / 1 pts

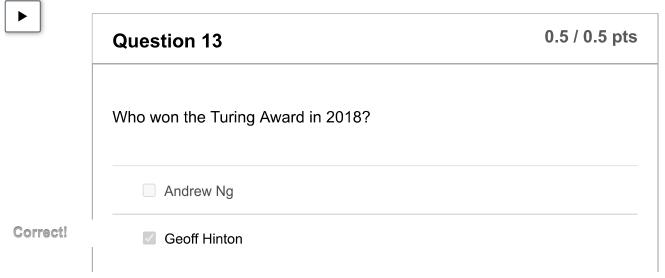
		, ,	` = = = /
	0.1		
	0.3		
Correct!	0.5		
	0.7		
	O 1		

Question 10	1 / 1 pts
For the above dataset, what is the leave-one-out cross-validation 3-NN?	n error of
O 0	
0.1	
O.3	
O.5	
O 0.7	
O 1	
	For the above dataset, what is the leave-one-out cross-validation 3-NN?

Question 11

0.25 / 0.5 pts

Between any two points in space, what's the possible relationship between their Euclidean and Manhattan distances?



Ogogle's release of TensorFlow

	Question 16 0.5	0.5 pts			
	Which of the following statements about deep learning is/are true?				
	Deep learning is simply deeper than the rest of machine learning.				
	Deep learning can solve NP-hard problems efficiently.				
Correct!	The rebranding of deep neural networks as "deep learning" was misleading and highly controversial				
Correct!	Deep learning aims to automate machine learning by reducing the neemanual feature engineering.	d for			

Quiz Score: 7.42 out of 10

