Week 1 Quiz

LATEST SUBMISSION GRADE 100%			
1.	Which of these terms best describes the type of AI used in today's email spam filters, speech recognition, and other specific applications? Artificial General Intelligence (AGI)		1 / 1 point
	Artificial Narrow Intelligence (ANI)		
	✓ Correct		
2.	What do you call the commonly used AI technology for learning input (A) to output (B) mappings? Supervised learning Artificial General Intelligence Reinforcement learning Unsupervised learning		
	✓ Correct		
3.		large neural net	1 / 1 point
	93	medium neural ne	t
	berformance	small neural net	
	ber	traditional AI	
		•	
	A small dataset (of audio files and the corresponding text transcript) amount of data You want to use supervised learning to build a speech recognition system. The figure above suggests that in order for a neural network (deep learning) to achieve the best performance, you would ideally use: (Select all that apply) A large dataset (of audio files and the corresponding text transcript)		
	✓ A large neural network		
	✓ Correct		
	A small neural network		
 The only way to acquire data for a supervised learning algorithm is to manually label it. I.e., given the input A, to human to provide B. 			1 / 1 point
	TrueFalse		
	✓ Correct		
5.	It doesn't matter how data is acquired. The more data, the better. It doesn't help to give data to an AI team, because they can always produce whatever they need by themselves. Some types of data are more valuable than others; working with an AI team can help you figure out what data to acquire. Only structured data is valuable; AI cannot process unstructured data.		
✓ Correct			
6. You run a company that manufactures scooters. Which of the following are examples of unstructured data? (Select al			nat 1/1 point
apply.) The maximum speed of each of your scooters			
	✓ Audio files of the engine sound of your scooters ✓ Correct The number of scooters sold per week over the past year ✓ Pictures of your scooters		
	✓ Correct		
7.	Suppose you run a website that sells cat food. Which of these might be a good result from a Data Science project? (Select 1/1 pol		
	all that apply.)	, , , , , , , , , , , , , , , , , , , ,	1 / 1 point
✓ Insights into how to market cat food more effectively, depending on the breed of cat.			
	Correct		
	A large dataset of images labeled as "Cat" and "Not Cat" A neural network that closely mimics how cats' brains work.		
	A slide deck presenting a plan on how to modify pricing in order to improve sales.		
	✓ Correct		
8.	Based on the terminology defined in Video 4, which of the following statements do you agree w	vith? (Select all that apply.)	1/1 point
Deep learning is a type of machine learning. (i.e., all deep learning algorithms are machine learning algorithms.)			
	✓ Correct		
	The terms "Deep learning" and "neural network" are used almost interchangeably.		
	✓ Correct		
	The terms "Machine learning" and "data science" are used almost interchangeably.		
	Al is a type of deep learning. (I.e., all Al algorithms are deep learning algorithms.)		
9.	Which of these do Al companies do well?		1 / 1 point
	Strategic data acquisition Invest in unified data warehouses		
	Spot automation opportunities		

✓ Correct

that most humans can do in less than 1 second, supervised learning can probably learn this A-to-B mapping.

10. Say you want to input a picture of a person's face (A), and output whether or not they are smiling (B). Because this is a task 1/1 point

True

All of the above

✓ Correct