1.	Which of these statements is true?	1 / 1 point
	Cognitive systems can only process neatly organized structured data Cognitive systems can derive mathematically precise answers following a rigid decision tree approach Cognitive systems can learn from their successes and failures Cognitive systems can only translate small volumes of audio data into their literal text translations at massive speeds	
	Cognitive systems learn, adapt, and keep getting smarter by learning from their interactions with us and from their own successes and failures, just like humans do.	
2.	Which of these statements is true?	1 / 1 point
	Data Science is a subset of AI that uses machine learning algorithms to extract meaning and draw inferences from data  Deep Learning is a specialized subset of Machine Learning that uses layered neural networks to simulate human decision-making  Artificial Intelligence and Machine Learning refer to the same thing since both the terms are often used interchangeably  AI is the subset of Data Science that uses Deep Learning algorithms on structured big data  Correct	
	Deep Learning enables machines to continuously learn on the job and improve the quality and accuracy of results by determining whether decisions were correct.	
3.	Which of the following is NOT an attribute of Machine Learning?	0 / 1 point
	Takes data and answers as input and uses these inputs to create a set of rules that determine what the Machine Learning model will be	
	Takes data and rules as input and uses these inputs to develop an algorithm that will give us an answer	
	<ul> <li>Machine Learning models can be continuously trained</li> <li>Machine Learning defines behavioral rules by comparing large data sets to find common patterns</li> </ul>	

Machine Learning uses computer algorithms to analyze data and make intelligent decisions by defining behavioral rules based on what it has learned, without being explicitly programmed. These algorithms continue to learn on the job.	
Which of the following is NOT an attribute of Unsupervised Learning?	1 / 1 point
It is useful for finding hidden patterns and or groupings in data and can be used to differentiate normal behavior with outliers such as fraudulent activity  The algorithm ingests unlabeled data, draws inferences, and finds patterns from unstructured data  Takes data and rules as input and uses these inputs to develop an algorithm that will give us an answer  It is useful for clustering data, where data is grouped according to how similar it is to its neighbors and dissimilar to everything else  Correct  This statement is not an attribute of either Machine Learning or Unsupervised  Learning. Machine Learning techniques such as unsupervised learning are not fed	
rules. Rather they determine the rules from data.  Which of the following is an attribute of Supervised Learning?  Relies on providing the machine learning algorithm human-labeled data - the more samples you provide, the more precise the algorithm becomes in classifying new data Relies on providing the machine learning algorithm with a set of rules and constraints and letting it learn how to achieve its goals	1 / 1 point
Relies on providing the machine learning algorithm unlabeled data and letting the machine infer qualities  Tries its best to maximize its rewards by trying different combinations of allowed actions within the provided constraints	
Correct Supervised learning relies on giving the algorithm human-labeled data for training. The greater the number of samples that the algorithm is trained on, the greater is its precision in classifying new data.	

4.

5.

sequences and perform tasks like object

identification.

9.	Which of these activities is NOT required in order for a neural network to synthesize human voice?	1 / 1 point
	<ul> <li>Ingest numerous samples of a person's voice until it can tell whether a new voice sample belongs to the same person</li> <li>Deconstruct sentences to decipher the context of use</li> <li>Generate audio data and run it through the network to see if it validates it as belonging to the subject</li> <li>Continue to correct the sample and run it through the classifier, repetitively, till an accurate voice sample is created</li> </ul>	
	Correct Deconstructing sentences to decipher the context of use is a feature of Natural Language Processing, not Speech Synthesis.	
10.	Which one of these ways is NOT how AI learns?	1 / 1 point
	Proactive Learning	
	Reinforcement Learning	
	Unsupervised Learning	
	Supervised Learning	
	<ul> <li>Correct         Al learns in three different ways -         Supervised, Unsupervised, and     </li> </ul>	
	Reinforcement Learning.	