Week 1 Quiz
Graded Quiz • 30 min

What is Al? Video: Week 1 Introduction 7 min QUIZ • 30 MIN Week 1 Quiz Video: Machine Learning 6 min Video: What is data?
11 min Video: The terminology of Al 9 min Submit your assignment Video: What makes an Al **DUE DATE** Jun 22, 12:29 PM IST **ATTEMPTS** 3 every 8 hours company? 7 min Receive grade Video: What machine learning can and cannot do **TO PASS** 80% or higher Video: More examples of what machine learning can and cannot do 8 min Video: Non-technical

explanation of deep learning (Part 1, optional)

Video: Non-technical explanation of deep

learning (Part 2, optional)

7 min

3 min

Quiz: Week 1 Quiz

10 questions

Grade
95%

View Feedback

We keep your highest score

5 P

Try again

grade 95% ✓ Congratulations! You passed! Keep Learning TO PASS 80% or higher Week 1 Quiz LATEST SUBMISSION GRADE 1. Which of these terms best describes the type of Al used in today's email spam filters, speech recognition, and other specific applications? Artificial General Intelligence (AGI) Artificial Narrow Intelligence (ANI) Correct 2. What do you call the commonly used AI technology for learning input (A) to output (B) mappings? Artificial General Intelligence Reinforcement learning Unsupervised learning Supervised learning Correct large neural net 1/1 point medium neural net small neural net - traditional AI 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) ✓ Correct A small dataset (of audio files and the corresponding text transcript) A large neural network ✓ Correct A small neural network 4. The only way to acquire data for a supervised learning algorithm is to manually label it. I.e., given the input A, to ask a 1/1 point human to provide B. True False ✓ Correct 5. Which of these statements regarding data acquisition do you agree with? 1 / 1 point Only structured data is valuable; Al cannot process unstructured data. Some types of data are more valuable than others; working with an AI team can help you figure out what data to It doesn't help to give data to an AI team, because they can always produce whatever they need by themselves. It doesn't matter how data is acquired. The more data, the better. ✓ Correct 6. You run a company that manufactures scooters. Which of the following are examples of unstructured data? (Select all that 1/1 point apply.) ☐ The number of scooters sold per week over the past year ☐ The maximum speed of each of your scooters Pictures of your scooters ✓ Correct Audio files of the engine sound 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 point all that apply.) A slide deck presenting a plan on how to modify pricing in order to improve sales. 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. 8. Based on the terminology defined in Video 4, which of the following statements do you agree with? (Select all that apply.) 0.5/1 point Deep learning is a type of machine learning. (I.e., all deep learning algorithms are machine learning algorithms.) Correct ✓ The terms "Machine learning" and "data science" are used almost interchangeably. This should not be selected Al is a type of deep learning. (I.e., all Al algorithms are deep learning algorithms.) ☐ The terms "Deep learning" and "neural network" are used almost interchangeably. 9. Which of these do Al companies do well? 1 / 1 point Strategic data acquisition Invest in unified data warehouses

Spot automation opportunities

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

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

All of the above

✓ Correct

True

False

✓ Correct