

Question 1

Which of these terms best describes the type of AI used in today's email spam filters, speech recognition, and other specific applications?

Answer:

Artificial Narrow Intelligence (ANI)

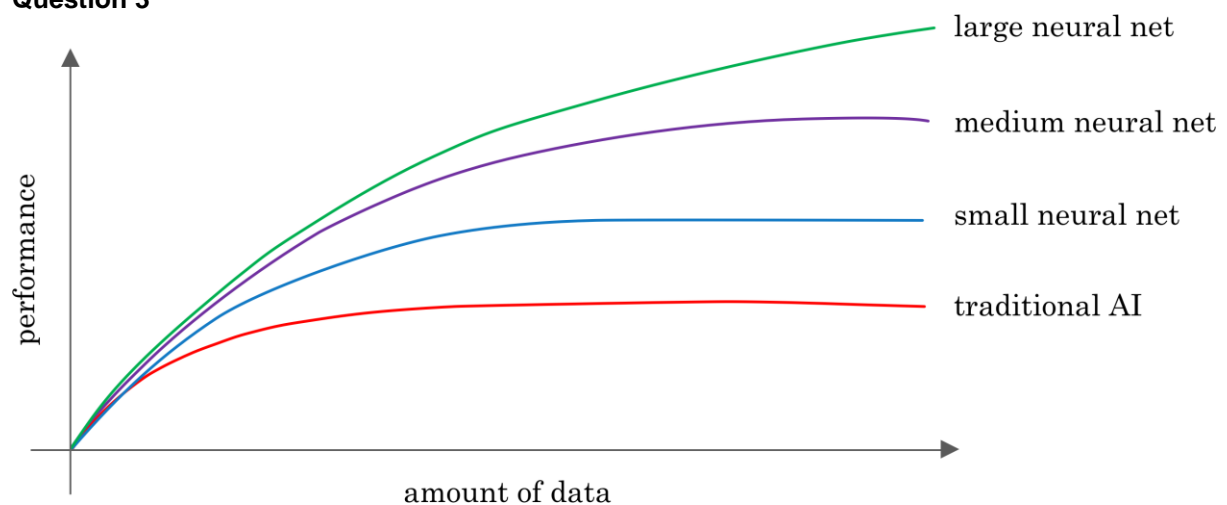
Question 2

What do you call the commonly used AI technology for learning input (A) to output (B) mappings?

Answer:

Supervised Learning

Question 3



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)

Answer:

a) A large dataset (of audio files and the corresponding text transcript)

b) A large neural network

Question 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 human to provide B.

Answer:

False

Question 5

Which of these statements regarding data acquisition do you agree with?

Answer:

Some types of data are more valuable than others; working with an AI team can help you figure out what data to acquire

Question 6

You run a company that manufactures scooters. Which of the following are examples of unstructured data? (Select all that apply.)

Answer:

- a) Audio files of the engine sound of yours scooters**
- b) Pictures of Your scooters**

Question 7

Suppose you run a website that sells cat food. Which of these might be a good result from a Data Science project? (Select all that apply.)

Answer:

- a) A slide deck presenting a plan on how to modify pricing in order to improve sales.**
- b) Insights into how to market cat food more effectively., depending on the breed of cat**

Question 8

Based on the terminology defined in Video 4, which of the following statements do you agree with? (Select all that apply.)

Answer:

- a) Deep learning is a type of machine learning (i.e., all deep learning algorithms are machine learning algorithm)**
- b) The terms “Deep learning” and “neural network” are used almost interchangeably**

Question 9

Which of these do AI companies do well?

Answer:

All of the above

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

Answer:

True