# 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?

# Artificial Narrow Intelligence (ANI)

# Artificial General Intelligence (AGI)

# Question 2

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

# Reinforcement learning

# Artificial General Intelligence

# Unsupervised learning

# Supervised learning

# Question 3

# undefined

# 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 small dataset (of audio files and the corresponding text transcript)

# A large neural network

# A small 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.

# True

# False

# Question 5

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

# 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.

# 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.

# Question 6

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

# Pictures of your scooters

# The number of scooters sold per week over the past year(doubt full)

# Audio files of the engine sound of your scooters

# The maximum speed of each 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.)

# A large dataset of images labeled as “Cat” and “Not Cat”

# A neural network that closely mimics how cats’ brains work.

# Insights into how to market cat food more effectively, depending on the breed of cat.

# A slide deck presenting a plan on how to modify pricing in order to improve sales.

# Question 8

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

# The terms “Machine learning” and “data science” are used almost interchangeably.

# The terms “Deep learning” and “neural network” are used almost interchangeably.

# AI is a type of deep learning. (I.e., all AI algorithms are deep learning algorithms.)

# Deep learning is a type of machine learning.  (I.e., all deep learning algorithms are machine learning algorithms.)

# Question 9

# Which of these do AI companies do well?

# Strategic data acquisition

# Invest in unified data warehouses

# Spot automation opportunities

# 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.

# True

# False