

 $O \circ$ Find the target. 00

Predict the labels.

The goal for supervised learning is to be able to predict the label.

Deep learning is machine learning that involves deep neural networks.

Deep learning includes artificial intelligence and machine learning.

Deep learning is machine learning that involves using very complicated models called deep neural networks. Deep learning is a subset of machine learning.

A standard machine learning algorithm is a better choice when you are working with smaller datasets, and if the data is changing a lot over time and you don't have a steady dataset.

In 1950, Alan Turing developed the Turing test to test a machine's ability to exhibit intelligent behavior. Alan Turing's test has served as a foundational threshold for artificial intelligence.

In 2006, the previous limitations of deep learning, namely exploding and vanishing gradients were overcome with algorithmic advancements such as Geoffrey Hinton's work on unsupervised pre-training. Neural networks are rebranded as deep learning, as we are able to train much deeper networks, networks with more layers; In 2012, a deep learning model using convolutional neural nets called AlexNet achieved a top

In two spaces we are seeing drastic growth and innovation, computer vision and natural language processing. The sharp advancements in computer vision are impacting multiple areas. For example, cars getting to

the point where they can drive themselves. Similarly, natural language processing is booming with vast improvements in ability to translate, determine sentiment, clustering of new articles, writing papers, and

AI flourished in the last years with the cloud infrastructure now in place to store large amounts of data for much cheaper, and the plethora of new ways to capture data are now able to build larger, more new once

The first step of a typical machine learning workflow is the problem statement. What problem are you trying to solve? The second step is data collection. What data do you need to solve the problem?

datasets to learn underlying patterns across a multitude of fields. We also have faster computers, and we now have access to powerful hardware for processing and storing data.

Alexa, in our homes, recognizes our voice and answers questions or does tasks for us through natural language processing.

five error of 15.3 percent; In 2015, one of the most popular libraries, TensorFlow, was built for deep learning, making it more powerful and accessible.

Artificial intelligence is any program that can sense, reason, act, and adapt. It is essentially a machine taking any form of intelligent behavior.

When is a standard machine learning algorithm usually a better choice than using deep learning to get the job done?

Deep learning is another name for artificial intelligence.

 $\odot$ 

Correct

Question 2

1/1 point

 $O \odot$ 

 $O \circ$ 

 $\odot$ 

Correct

Question 3

1/1 point

 $O \circ$ 

00

Question 4

1/1 point  $O \circ$ 

 $O \circ$ 

O

 $O \circ$ 

Correct

Question 5

1/1 point  $O \circ$ 

 $O \circ$ 

O

 $O \circ$ 

 $\odot$ 

6.

Question 6

1/1 point  $\circ$ 

00

 $O \circ$ 

 $\odot$ 

Correct

Question 7

1/1 point

 $\circ$ 

 $O \circ$ 

 $\odot$ 

Correct

many others.

Question 8

1/1 point  $O \circ$ 

O

 $O \circ$ 

 $\odot$ 

Correct

Question 9

1/1 point  $\circ$ 

 $O \circ$ 

 $O \circ$ 

 $\odot$ 

10.

Question 10

1/1 point

 $O \circ$ 

 $O \circ$ 

 $\odot$ 

Correct

Correct

Stylish designed computers

Access to hardware for cleaning data

What is artificial intelligence?

A subset of deep learning.

A subset of machine learning

None of the above.

Any program that can sense, reason, act, and adapt.

Computer vision and natural language processing.

Language processing and deep learning.

Deep learning and machine learning.

Computer vision and deep learning.

Why did AI flourish so much in the last years?

Faster and inexpensive computers and data storage

Data storage in the cloud is much more expensive

How does Alexa use artificial intelligence?

Recognizes our voice and answers questions.

Suggests who a person on a photo is.

None of the above answers are correct.

Problem statement and data cleaning.

Problem statement and data collection.

Data collection and data transformation.

None of the above answers is correct.

What are the first two steps of a typical machine learning workflow?

Recognizes faces and pictures.

What are two spaces within AI that are going through drastic growth and innovation?

Correct

It tests images.

What is a Turing test?

It tests the dataset.

It tests and cleans the dataset.

It tests a machine's ability to exhibit intelligent behavior.

What are some of the different milestones in deep learning history?

Deep Blue defeats a world champion chess player, and AlexNet is created.

Deep Blue defeats a world champion chess player and TensorFlow is released

Deep Blue defeats a world champion chess player, and Keras is released.

Geoffrey Hinton's work, AlexNet, and TensorFlow

None of the above are correct.

When working with small data sets.

When the data is steady over time.

When working with large data sets.

None of the above are correct.

What is deep learning?

Predict the features.