**Quiz 1**

**TOTAL POINTS 5**

Question 1

What is relationship between Artificial intelligence (AI), machine learning (ML) and deep learning (DL)?

1 point

There is no relationship between AI, ML and DL

AI > ML > DL

DL > AI > ML

ML > AI > DL

Question 2

A company is using a rules based system to classify the credit card transactions as fraud or not fraud. Do you think this a machine learning solution?

1 point

Y​es

N​o

Question 3

How do you define the term artificial intelligence, machine learning and deep learning in one sentence each?

1 point



Artificial Intelligence is an intelligent behavior by machines, that can perceive its environment and take actions accordingly. Machine learning is a subset of Artificial Intelligence that makes use of historical data to make better business decisions. Deep learning learns tasks using artificial neural networks (ANN) on large data sets.

Your answer cannot be more than 10000 characters.

Question 4

A security and transportation analysis company wants to use their client’s internal employee images to classify whether to let the employees through the security gate into their client offices. What machine learning algorithm should they use to create this machine learning model?

1 point

Long Short Term Memory Network (LSTM)

Recurrent Neuran Network (RNN)

Convolutional Neural Network (CNN)

Feed-forward Neural Network

Question 5

What were the main factors in massive adoption of deep learning in the recent decade? Select two answers.

1 point

Faster and more efficient compute (GPUs)

More data

Public Cloud offerings

Machine learning education and number of data scientists