C1000-059^{Q&As}

IBM AI Enterprise Workflow V1 Data Science Specialist

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QUESTION 1

A neural network is composed of a first affine transformation (affine1) followed by a ReLU non-linearity, followed by a second affine transformation (affine2). Which two explicit functions are implemented by this neural network? (Choose two.)

A. y = affine1(ReLU(affine2(x)))

B. y = max(affine1(x), affine2(x))

C. y = affine2(ReLU(affine1(x)))

D. y = affine2(max(affine1(x), 0))

E. y = ReLU(affine1(x), affine2(x))

Correct Answer: CD

QUESTION 2

What are two hyperparameters used when building a k-means model? (Choose two.)

A. kernel

B. learning rate

C. number of iterations

D. number of clusters

E. number of neighbors

Correct Answer: CD

Reference: https://www.ritchieng.com/machine-learning-clustering-kmeans/

QUESTION 3

A new test to diagnose a disease is evaluated on 1152 people, and 106 people have the disease, and 1046 people do not have the disease. The test results are summarized below:

	Test predicts disease	Test predicts no disease
Have the disease	73	33
Do not have the disease	81	965

In this sample, how many cases are false positives and false negatives?

A. 33 false positives and 81 false negatives

B. 81 false positives and 73 false negatives

C. 73 false positives and 81 false negatives

D. 81 false positives and 33 false negatives

Correct Answer: A

QUESTION 4

What is the first step in creating a custom model in Watson Visual Recognition service?

A. Test the newly trained model.

B. Document the errors from the built in models.

C. Obtain image files containing objects to be classified and organize them into classes.

D. Use IBM SPSS to create new machine learning classifiers.

Correct Answer: D

QUESTION 5

What are two key characteristics of cloud architecture that could benefit AI applications? (Choose two.)

A. constant attention needed for maintenance and support of the cloud platform

B. capable of managing and handling dynamic workloads with automatic recovery from failures

C. hybrid clouds enable the deployment of distributed large neural networks

D. support for common business oriented language (COBOL) applications

E. the hardware requirement can be scaled up as per the demand

Correct Answer: BE

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