DUMPSARENA

IBM AI Enterprise Workflow V1 Data Science Specialist

IBM C1000-059

Version Demo

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QUESTION NO: 1

The least squares optimization technique (The Method of Least Squares) is used in which algorithm?

A. Support Vector Machines

B. Naive Bayes classification

C. Logistic regression

D. Linear regression

ANSWER: D

Explanation:

Reference: https://arxiv.org/ftp/arxiv/papers/1804/1804.05665.pdf

QUESTION NO: 2

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))

ANSWER: C D

QUESTION NO: 3

Which two properties hold true for standardized variables (also known as z-score normalization)? (Choose two.)

A. standard deviation = 0.5

B. expected value = 0

C. expected value = 0.5

D. expected value = 1

E. standard deviation = 1

ANSWER: C E

QUESTION NO: 4

What are two methods used to detect outliers in structured data? (Choose two.)

A. multi-label classification

B. isolation forest

C. gradient descent

D. one class Support Vector Machine (SVM)

E. Word2Vec

ANSWER: B D

Explanation:

Reference: https://www.researchgate.net/post/What-is-the-best-outliers-detection-algorithm-to-used-for-big-data

QUESTION NO: 5

In which example would recall be preferred over precision?

A. recall is always preferred

B. identify suitable candidates for a job

C. detection of malignant tumors

D. book recommendation

ANSWER: C

Explanation:

Reference: https://developers.google.com/machine-learning/crash-course/classification/precision-and-recall

QUESTION NO: 6

When communicating technical results to business stakeholders, what are three appropriate topics to include? (Choose three.)

A. methods that failed

B. newest developments in AI methods

C. benefits of cognitive over business analytics

D. realistic impact on the business measures

E. differences between cloud provider portfolios

F. alternative methods to address the business problem

ANSWER: C D F

QUESTION NO: 7

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.

ANSWER: D

QUESTION NO: 8

Given the following sentence:

The dog jumps over a fence.

What would a vectorized version after common English stopword removal look like?

A. ['dog', 'fence', 'run']

B. ['fence', 'jumps']

C. ['dog', 'fence', 'jumps']

D. ['a', 'dog', 'fence', 'jumps', 'over', 'the']

ANSWER: C

Explanation:

Reference: https://towardsdatascience.com/text-pre-processing-stop-words-removal-using-different-libraries-f20bac19929a

QUESTION NO: 9

Select the three computing languages that IBM Cloud Object Storage SDK supports. (Choose three.)

A. Node.js

B. Java

C. PHP

D. Swift

E. Python

F. C/C++

ANSWER: A B E

Explanation:

Reference: https://cloud.ibm.com/docs/cloud-object-storage?topic=cloud-object-storage-gs-dev

QUESTION NO: 10

Given the following matrix multiplication:

$$\begin{bmatrix} -1 & 4 & -5 \\ -4 & -2 & 3 \\ 3 & 1 & 4 \end{bmatrix} \begin{bmatrix} 0 & -2 & -1 \\ -3 & -4 & 0 \\ -5 & 2 & -3 \end{bmatrix} = \begin{bmatrix} L & M & N \\ P & Q & R \\ S & T & U \end{bmatrix}$$

What is the value of P?

A. –9

B. 17

C. 12

D. –7

ANSWER: C

Explanation:

Reference: https://www.mathsisfun.com/algebra/matrix-multiplying.html