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QUESTION NO: 1

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

ANSWER: C D

Explanation:

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

QUESTION NO: 2

What are three operators used by genetic programming? (Choose three.)

A. reciprocation

B. mutation

C. duel

D. selection

E. sheltering

F. crossover

ANSWER: C D F

QUESTION NO: 3

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: 4

Which is a preferred approach for simplifying the data transformation steps in machine learning model management and maintenance?

A. Implement data transformation, feature extraction, feature engineering, and imputation algorithms in one single pipeline.

B. Do not apply any data transformation or feature extraction or feature engineering steps.

C. Leverage only deep learning algorithms.

D. Apply a limited number of data transformation steps from a pre-defined catalog of possible operations independent of the machine learning use case.

ANSWER: B

QUESTION NO: 5

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: 6

Which is an example of a nominal scale data?

A. a variable industry with categorical values such as financial, engineering, and retail

B. a variable mood with a scale of values unhappy, ok, and happy

C. a variable bank account balance whose possible values are $5, $10, and $15

D. a variable temperature with a scale of values low, medium, and high

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ANSWER: C

QUESTION NO: 7

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

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QUESTION NO: 8

Given two multidimensional arrays of the same data type, A and B which two Python NumPy statements give the matrix product of the two matrices? (Choose two.)

A. A @ B

B. A × B

C. A * B

D. np.matprod(A,B)

E. np.dot(A,B)

ANSWER: C D

QUESTION NO: 9

Which measure can be used to show business stakeholders the likelihood that a machine learning model will generate a true prediction?

A. accuracy

B. variance

C. mean

D. skewness

ANSWER: A

QUESTION NO: 10

With the help of AI algorithms, which type of analytics can help organizations make decisions based on facts and probability-weighted projections?

A. prescriptive analytics

B. cognitive analytics

C. predictive analytics

D. descriptive analytics

ANSWER: A

Explanation:

Reference: https://www.investopedia.com/terms/p/prescriptive-analytics.asp