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IBM Watson Data Scientist v1

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Question: 1

A virtual assistant has been developed and deployed based on the Watson Assistant service. The assistant will support customers by answering FAQs (Frequent Answered Questions). Which metric is a good indicator of the performance of the virtual assistant?
Response:

A. The Area Under the Curve (AUC)
B. Measure escalated calls using A/B testing
C. The Root Mean Squared Error (RMSE) of words
D. The F1 score of predicted intents in the Analytics tab

Answer: B

Question: 2

An E-retailer uses several important data sources, including web logs which contain all of the information on how customers navigate the web site. There are non-informative entries in the web logs that need to be removed.
During which phase should these non-informative entries be removed in the CRISP-DM model?
Response:

A. Modeling
B. Data Preparation
C. Data Understanding
D. Business Understanding

Answer: B

Question: 3

Given the Confusion matrix below, which is the formula for specificity?
Response:

A. TN/(TN + FP)
B. TP/(FP + TP)
C. TP/(FN + TP)
D. (TP + TN)/(FN + FP + TN + TP)

Question: 4

Which two graph types are used in EDA to show the relationship between two or more quantitative variables?
Response:

A. Heat map
B. Box plot
C. Histogram
D. Scatter plot
E. Stem-and-leaf plot

Answer: A,D

Question: 5

In Cognos Analytics, which two features distinguish stories from dashboards?
Response:

A. Stories convey a conclusion.
B. Stories provide a narrative over time.
C. Stories can be embedded in websites or documents.
D. Stories are text-based and do not contain visualizations.
E. Stories automatically load different filters for different users.

Answer: A,B

Question: 6

Which statement describes bagging?
Response:

A. Building models and using their output as features into a final model.
B. Building models in parallel and aggregating their predictions to select the final prediction.
C. Building models sequentially and evaluating the success of earlier models. It combines a set of weak learners into a strong learner.
D. Building models with artificial neural networks based on the sharedweight architecture of the convolution kernels or filters.

Question: 7

Which method is used for merging records in SPSS Modeler Merge node that allows specifying a requirement to be satisfied in order for the merge to take place?
Response:

A. Key
B. Order
C. Filter
D. Condition

Answer: D

Question: 8

Which statistical method reduces the number of attributes by lumping highly correlated attributes together?
Response:

A. Binning
B. Principal Component Analysis (PCA)
C. Long Short Term Memory Network (LSTM)
D. Synthetic Minority Over-sampling Technique (SMOTE)

Answer: B

Question: 9

Why is it important to create data splits that are reproducible?
Response:

A. To ensure that each model run can be exactly replicated for verification and comparison
B. To guarantee that the model will perform with 100% accuracy on unseen data
C. To use more data for testing than for training
D. To allow for larger test sets for more comprehensive testing

Answer: A

Question: 10

Which two packages can be used to customize the software configuration of a Jupyter notebook environment in Cloud Pak for Data?
Response:

A. vim
B. pip
C. sudo
D. bash
E. conda

Answer: B,E

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