



# *IBM*

*C1000-154*  
*IBM Watson Data Scientist v1*

## Questions & Answers PDF

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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.  $(TP + TN) / (FN + FP + TN + TP)$

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**Answer: A**

**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.

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**Answer: B**

**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**

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### 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

<b>Answer: B,E</b>
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