Exam Questions 70-774

Perform Cloud Data Science with Azure Machine Learning (beta)
NEW QUESTION 1
You have a dataset that is missing values in a column named Column3. Column3 is correlated to two columns named Column4 and Column5. You need to improve the accuracy of the dataset, while minimizing data loss. What should you do?

A. Replace the missing values in Column3 by using probabilistic Principal Component Analysis (PCA).
B. Remove all of the rows that have the missing values in Column4 and Column5.
C. Replace the missing values in Column3 with a mean value.
D. Remove the rows that have the missing values in Column3.

Answer: A

NEW QUESTION 2
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution. After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You are working on an Azure Machine Learning experiment. You have the dataset configured as shown in the following table.

<table>
<thead>
<tr>
<th>Model</th>
<th>Mean absolute error (MAE)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boosted decision tree</td>
<td>0.2</td>
</tr>
<tr>
<td>Relative absolute error (RAE)</td>
<td>0.43</td>
</tr>
</tbody>
</table>

You need to ensure that you can compare the performance of the models and add annotations to the results. Solution: You connect the Score Model modules from each trained model as inputs for the Evaluate Model module, and use the Execute R Script module. Does this meet the goal?

A. Yes
B. No

Answer: A

Explanation:
References:

NEW QUESTION 3
You plan to use Azure Machine Learning to develop a predictive model. You plan to include an Execute Python Script module. What capability does the module provide?

A. Outputting a file to a network location.
B. Performing interactive debugging of a Python script.
C. Saving the results of a Python script run in a Machine Learning environment to a local file.
D. Visualizing univariate and multivariate summaries by using Python code.

Answer: D

Explanation:
References:

NEW QUESTION 4
Note: This question is part of a series of questions that use the same scenario. For your convenience, the scenario is repeated in each question. Each question presents a different goal and answer choices, but the text of the scenario is exactly the same in each question in this series.

A travel agency named Margie’s Travel sells airline tickets to customers in the United States. Margie’s Travel wants you to provide insights and predictions on flight delays. The agency is considering implementing a system that will communicate to its customers as the flight departure nears about possible delays due to weather conditions. The flight data contains the following attributes: The weather data contains the following attributes: AirportID, ReadingDate (YYYY/MM/DD HH), SkyCondition/Visibility, WeatherType, WindSpeed, StationPressure, PressureChange, and HourlyPrecip. You need to remove the bias and to identify the columns in the input dataset that have the greatest predictive power.

Which module should you use for each requirement? To answer, drag the appropriate modules to the correct requirements. Each module may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.
A. Mastered
B. Not Mastered

**Answer: A**

**Explanation:**
References:
https://gallery.cortanaintelligence.com/Experiment/Binary-Classification-Flight-delay-prediction-3
https://msdn.microsoft.com/library/azure/038d91b6-c2f2-42a1-9215-1f2c20ed1b40

**NEW QUESTION 5**
You have data about the following:
You need to predict whether a user will like a particular movie. Which Matchbox recommender should you use?

A. Item Recommendation
B. Related Items
C. Rating Prediction
D. Related Users

**Answer: C**

**Explanation:**
References:

**NEW QUESTION 6**
You are building an Azure Machine Learning experiment.
You need to transform a string column that has 47 distinct values into a binary indicator column. The solution must use the One-vs-All Multiclass model. Which module should you use?

A. Select Column Transform
B. Convert to Indicator Values
C. Group Categorical Values
D. Edit Metadata

**Answer: B**

**NEW QUESTION 7**

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You have an Azure ML experiment that contains an intermediate dataset. You need to explore data from the intermediate dataset by using Jupyter.
Solution: You add a Convert to CSV module to the Azure ML experiment and then open the module output in a new notebook.
Does this meet the goal?

A. Yes
B. No

**Answer: A**

**NEW QUESTION 8**

Note: This question is part of a series of questions that use the same scenario. For your convenience, the scenario is repeated in each question. Each question presents a different goal and answer choices, but the text of the scenario is exactly the same in each question in this series.

Start of repeated scenario:
You plan to create a predictive analytics solution for credit risk assessment and fraud prediction in Azure Machine Learning. The Machine Learning workspace for the solution will be shared with other users in your organization. You will add assets to projects and conduct experiments in the workspace. The experiments will be used for training models that will be published to provide scoring from web services. The experiment for fraud prediction will use Machine Learning models that have high accuracy.

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Learning modules and APIs to train the models and will predict probabilities in an Apache Hadoop ecosystem.

End of repeated scenario.
The users will use different data sources that follow a standard format. The users will receive results in a standard format by using the fraud prediction web service. The results will be saved to a location specified by the users.
You need to provide the users with the ability to get results for different risk tolerances without affecting the calculation of the model. Which three modules should be configured to use the Web Service Parameters? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. Evaluate Model
B. Import Data
C. Select Columns in Dataset
D. Export Data
E. Time Series Anomaly Detection

Answer: ABD

NEW QUESTION 9
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You have an Azure ML experiment that contains an intermediate dataset. You need to explore data from the intermediate dataset by using Jupyter.
Solution: You add a Convert to ARFF module, and then add the Execute R Script module. Does this meet the goal?

A. Yes
B. No

Answer: B

NEW QUESTION 10
Note: This question is part of a series of questions that use the same or similar answer choices. An answer choice may be correct for more than one question in the series. Each question is independent of the other questions in this series. Information and details provided in a question apply only to that question.
You need to remove rows that have an empty value in a specific column. The solution must use a native module.
Which module should you use?

A. Execute Python Script
B. Tune Model Hyperparameters
C. Normalize Data
D. Select Columns in Dataset
E. Import Data
F. Edit Metadata
G. Clip Values
H. Clean Missing Data

Answer: H

Explanation:
References:

NEW QUESTION 11
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
You are designing an Azure Machine Learning workflow.
You have a dataset that contains two million large digital photographs. You plan to detect the presence of trees in the photographs.
You need to ensure that your model supports the following:
Solution: You create a Machine Learning experiment that implements the Multiclass Neural Network module. Does this meet the goal?

A. Yes
B. No

Answer: A

NEW QUESTION 12
You are building an Azure Machine Learning experiment.
You are preparing the output of a Boosted Decision Tree Regression module. You add a Normalize Data module to the experiment.
You need to ensure that the range of the transformation method produces an output on a scale of -1 to 1. Which transformation method should you use?

A. MinMax
B. TanH
C. Logistic
D. Zscore
E. LogNormal

Answer: D

NEW QUESTION 13
You have the following HiveQL query in an Import Data module.
Which type of operation is being performed?

A. sampling a bucketized table  
B. random sampling by groups  
C. uniform random sampling  
D. stratified sampling  

Answer: D
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