



70-774^{Q&As}

Perform Cloud Data Science with Azure Machine Learning

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QUESTION 1

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.

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

End of repeated scenario.

You need to alter the list of columns that will be used for predicting fraud for an input web service endpoint. The columns from the original data source must be retained while running the Machine Learning experiment.

Which module should you add after the web service input module and before the prediction module?

- A. Edit Metadata
- B. Import Data
- C. SMOTE
- D. Select Columns in Dataset

Correct Answer: D

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 sections, 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.



Model	Mean absolute error (MAE)
Boosted decision tree	.2
Relative absolute error (RAE)	.43

You need to ensure that you can compare the performance of the models and add annotations to the results.

Solution: You save the output of the Score Model modules as a combined set, and then use the Project Columns module to select the MAE.

Does this meet the goal?

A. Yes

B. No

Correct Answer: A

References: <https://msdn.microsoft.com/en-us/library/azure/dn905915.aspx>

QUESTION 3

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 use Azure platform tools to detect and analyze food items in smart refrigerators. To provide families with an integrated experience for grocery shopping and cooking, the refrigerators will connect to other smart appliances, such as

stoves and microwave ovens, on a LAN.

You plan to build an object recognition model by using the Microsoft Cognitive Toolkit. The object recognition model will receive input from the connected devices and send results to applications.

The training data will be derived from more than 10 TB of images. You will convert the raw images to the sparse format.

End of repeated scenario.

You need to ensure that a web service endpoint can receive image data and use an object recognition model to return the expected object and the confidence level of the model. The solution must minimize the effort required to generate the

client code to access the web service.

Which resource should you use?

A. the edX Data Science Learning Dashboard

B. Azure Machine Learning Studio

C. Cortana Intelligence Gallery

D. the Data Science Virtual Machine



Correct Answer: B

QUESTION 4

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 sections, 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.

Model	Mean absolute error (MAE)
Boosted decision tree	.2
Relative absolute error (RAE)	.43

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 then save the results as a dataset.

Does this meet the goal?

A. Yes

B. No

Correct Answer: A

References: <https://msdn.microsoft.com/en-us/library/azure/dn905915.aspx>

QUESTION 5

You are analyzing taxi trips in New York City. You leverage the Azure Data Factory to create data pipelines and to orchestrate data movement.

You plan to develop a predictive model for 170 million rows (37 GB) of raw data in Apache Hive by using Microsoft R Server to identify which factors contribute to the passenger tipping behavior.

All of the platforms that are used for the analysis are the same. Each worker node has eight processor cores and 26 GB of memory.

Which type of Azure HDInsight cluster should you use to produce results as quickly as possible?

A. Hadoop



B. HBase

C. Interactive Hive

D. Spark

Correct Answer: D

References:

<https://azure.microsoft.com/en-gb/blog/general-availability-of-hdinsight-interactive-query- blazing-fast-data-warehouse-style-queries-on-hyper-scale-data-2/>

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