



70-774^{Q&As}

Perform Cloud Data Science with Azure Machine Learning

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QUESTION 1

You deploy Microsoft Data Management Gateway.

You plan to use the Import Data module in Azure Machine Learning Studio to import data from an on-premises Microsoft SQL Server instance.

Which operation can you perform?

- A. Write the data back to the on-premises SQL Server instance.
- B. Filter the data as the data is being read by using the Import Data module.
- C. Run a Transact-SQL query and use SQL views to filter the data as the data is being read.
- D. Access the on-premises SQL Server instance without using credentials, and then import the data.

Correct Answer: D

QUESTION 2

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), SkyConditionVisibility, WeatherType, WindSpeed, StationPressure, PressureChange, and HourlyPrecip.

You need to use historical data about on-time flight performance and the weather data to predict whether the departure of a scheduled flight will be delayed by more than 30 minutes.

Which method should you use?

- A. clustering
- B. linear regression
- C. classification
- D. anomaly detection

Correct Answer: C

References: <https://gallery.cortanaintelligence.com/Experiment/Binary-Classification-Flight-delay- prediction-3>



QUESTION 3

You are building an Azure Machine Learning workflow by using Azure Machine Learning Studio.

You create an Azure notebook that supports the Microsoft Cognitive Toolkit.

You need to ensure that the stochastic gradient descent (SGD) configuration maximizes the samples per second and supports parallel modeling that is managed by a parameter server.

Which SGD algorithm should you use?

- A. DataParallelASGD
- B. DataParallelSGD
- C. ModelAveragingSGD
- D. BlockMomentumSGD

Correct Answer: C

QUESTION 4

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 have a dataset that contains a column named Column1. Some of the values in Column1 are empty.

You need to replace the empty values by using probabilistic Principal Component Analysis (PCA). The solution must use a native module.

Which module should you use?

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

Correct Answer: B

QUESTION 5



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

End of repeated scenario.

You plan to share the Machine Learning workspace with the other users.

You are evaluating whether to assign the User role or the Owner role to several of the users.

Which three actions can be performed by the users who are assigned the User role? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. Create, open, modify, and delete datasets.
- B. Create, open, modify, and delete experiments.
- C. Invite users to the workspace.
- D. Delete users from the workspace.
- E. Create, open, modify, and delete web services.
- F. Access notebooks.

Correct Answer: CDF

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