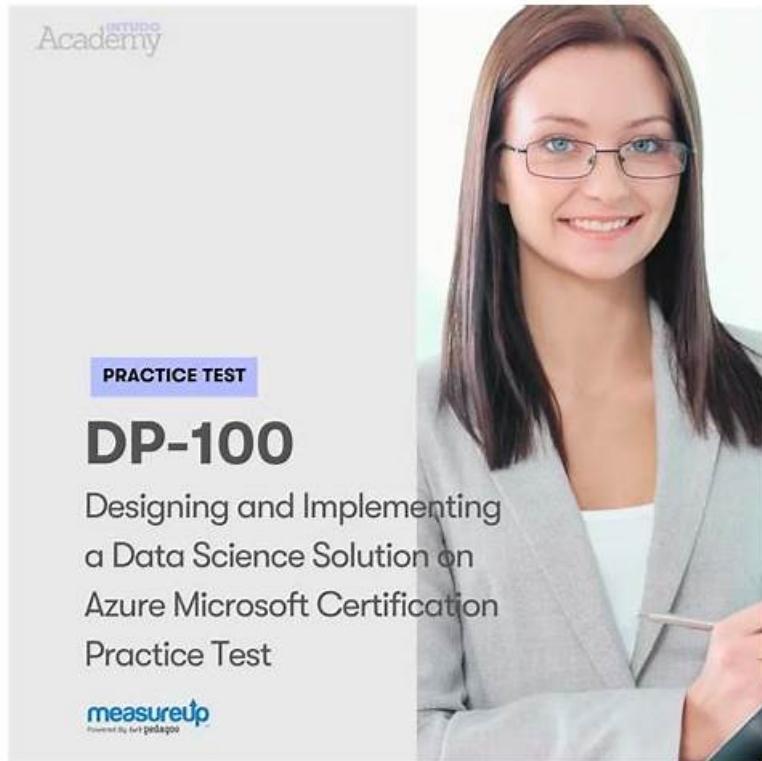


Quiz 2026 DP-100: Perfect Designing and Implementing a Data Science Solution on Azure Latest Exam Registration



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Microsoft Designing and Implementing a Data Science Solution on Azure Exam Certification Details:

Exam Name	Microsoft Certified - Azure Data Scientist Associate
Sample Questions	Microsoft Designing and Implementing a Data Science Solution on Azure Sample Questions
Books / Training	DP-100T01-A: Designing and Implementing a Data Science Solution on Azure
Exam Price	\$165 (USD)
Duration	120 mins

Microsoft Designing and Implementing a Data Science Solution on Azure Sample Questions (Q164-Q169):

NEW QUESTION # 164

You are preparing to use the Azure ML SDK to run an experiment and need to create compute. You run the following code:

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Answer:

Explanation:

Reference:

<https://notebooks.azure.com/azureml/projects/azureml-getting-started/html/how-to-use-azureml/training/train-on-amlcompute/train-on-amlcompute.ipynb>

<https://docs.microsoft.com/en-us/python/api/azureml-core/azureml.core.compute.computetarget>

NEW QUESTION # 165

You create a new Azure Databricks workspace.

You configure a new cluster for long-running tasks with mixed loads on the compute cluster as shown in the image below.

Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.

NOTE: Each correct selection is worth one point.

Answer:

Explanation:

Reference:

<https://docs.databricks.com/clusters/configure.html>

NEW QUESTION # 166

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 create an Azure Machine Learning service datastore in a workspace. The datastore contains the following files:

/data/2018/Q1.csv

/data/2018/Q2.csv

/data/2018/Q3.csv

/data/2018/Q4.csv

/data/2019/Q1.csv

All files store data in the following format:

id,f1,f2,I

1,1,2,0

2,1,1,1

3,2,1,0

4,2,2,1

You run the following code:

You need to create a dataset named `training_data` and load the data from all files into a single data frame by using the following code:

Solution: Run the following code:

Does the solution meet the goal?

- **A. No**
- B. Yes

Answer: A

Explanation:

Use two file paths.

Use `Dataset.Tabular_from_delimited`, instead of `Dataset.File.from_files` as the data isn't cleansed.

Note:

A `FileDataset` references single or multiple files in your datastores or public URLs. If your data is already cleansed, and ready to use in training experiments, you can download or mount the files to your compute as a `FileDataset` object.

A `TabularDataset` represents data in a tabular format by parsing the provided file or list of files.

This provides you with the ability to materialize the data into a pandas or Spark DataFrame so you can work with familiar data preparation and training libraries without having to leave your notebook. You can create a `TabularDataset` object from `.csv`, `.tsv`, `.parquet`, `.json` files, and from SQL query results.

Reference:

<https://docs.microsoft.com/en-us/azure/machine-learning/how-to-create-register-datasets>

NEW QUESTION # 167

You are developing a linear regression model in Azure Machine Learning Studio. You run an experiment to compare different algorithms.

The following image displays the results dataset output:

Use the drop-down menus to select the answer choice that answers each question based on the information presented in the image.

NOTE: Each correct selection is worth one point.

Answer:

Explanation:

Explanation

Box 1: Boosted Decision Tree Regression

Mean absolute error (MAE) measures how close the predictions are to the actual outcomes; thus, a lower score is better.

Box 2:

Online Gradient Descent: If you want the algorithm to find the best parameters for you, set Create trainer mode option to Parameter Range. You can then specify multiple values for the algorithm to try.

References:

<https://docs.microsoft.com/en-us/azure/machine-learning/studio-module-reference/evaluate-model>

<https://docs.microsoft.com/en-us/azure/machine-learning/studio-module-reference/linear-regression>

NEW QUESTION # 168

You need to set up the Permutation Feature Importance module according to the model training requirements.

Which properties should you select? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer:

Explanation:

Explanation

Box 1: Accuracy

Scenario: You want to configure hyperparameters in the model learning process to speed the learning phase by using hyperparameters. In addition, this configuration should cancel the lowest performing runs at each evaluation interval, thereby directing effort and resources towards models that are more likely to be successful.

Box 2: R-Squared

NEW QUESTION # 169

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