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DP-100 PRACTICE EXAM 100% DETAILED VERIFIED CORRECT ANSWERS 2025/2026 STUDY SET

YOU ARE TRAINING A MODEL BY USING AUTOMATED MACHINE LEARNING.
YOU NEED TO SPECIFY AN EVALUATION METRIC THAT MINIMIZES THE FALSE POSITIVE RATE
FOR THE TRAINED MODEL.
WHICH METRIC SHOULD YOU USE?

PRECISION

YOU ARE WORKING ON A PROJECT USING AUTOMATED MACHINE LEARNING.
YOU NEED TO APPLY ONE-HOT ENCODING TO THE CATEGORICAL FEATURES OF A DATASET.
WHAT SHOULD YOU DO?

ENABLE FEATURIZATION.

YOU ARE OPTIMIZING HYPERPARAMETERS BY USING AZURE MACHINE LEARNING.

YOU HAVE THE FOLLOWING REQUIREMENTS:
USE A LARGE SEARCH SPACE OF PARAMETERS FOR A MODEL.
FIND OPTIMAL PARAMETERS QUICKLY.
MINIMIZE RUN TIME.
WHICH SAMPLING STRATEGY SHOULD YOU USE?
GRIDPARAMETERSAMPLINGBANDITPOLICY
RANDOMPARAMETERSAMPLING
TRUNCATIONSELECTIONPOLICY

RANDOMPARAMETERSAMPLING

A COMPANY PLANS TO TUNE THE HYPERPARAMETERS FOR A MACHINE LEARNING
ALGORITHM BY USING AZURE MACHINE LEARNING.
YOU NEED TO IMPLEMENT A DISTRIBUTION THAT USES DISCRETE HYPERPARAMETERS.
WHICH TYPE OF DISTRIBUTION SHOULD YOU USE?

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Microsoft Designing and Implementing a Data Science Solution on Azure Sample Questions (Q55-Q60):

NEW QUESTION # 55

You write code to retrieve an experiment that is run from your Azure Machine Learning workspace. The run used the model interpretation support in Azure Machine Learning to generate and upload a model explanation. Business managers in your organization want to see the importance of the features in the model. You need to print out the model features and their relative importance in an output that looks similar to the following.

☐ How should you complete the code? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

☐

Answer:

Explanation:

☐ Explanation:

☐ Box 1: from_run_id

from_run_id(workspace, experiment_name, run_id)

Create the client with factory method given a run ID.

Returns an instance of the ExplanationClient.

Parameters

* Workspace Workspace An object that represents a workspace.

* experiment_name str The name of an experiment.

* run_id str A GUID that represents a run.

Box 2: list_model_explanations

list_model_explanations returns a dictionary of metadata for all model explanations available.

Returns

A dictionary of explanation metadata such as id, data type, explanation method, model type, and upload time, sorted by upload time

Box 3: explanation Reference:

<https://docs.microsoft.com/en-us/python/api/azureml-contrib-interpret/azureml.contrib.interpret.explanation.expl>

NEW QUESTION # 56

You load data from a notebook in an Azure Machine Learning workspace into a pandas DataFrame. The data contains 10,000 records. Each record consists of 10 columns.

You must identify the number of missing values in each of the columns.

You need to complete the Python code that will return the number of missing values in each of the columns.

Which code segments should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

☐

Answer:

Explanation:

☐

NEW QUESTION # 57

You have an Azure Machine Learning workspace named Workspace1. It has a registered Mlflow model named model1 with PyFunc flavor. You plan to deploy model1 to an online endpoint named endpoint1 without egress connectivity by using Azure Machine Learning Python SDK v1. You have the following code:

You need to add a parameter to the ManagedOnlineDeployment object to ensure the model deploys successfully. Solution: Add the scoring_script parameter.

Does the solution meet the goal?

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

Answer: B

NEW QUESTION # 58

You create an Azure Machine Learning workspace named workspaces. You create a Python SDK v2 notebook to perform custom model training in workspace1. You need to run the notebook from Azure Machine Learning Studio in workspace1. What should you provision first?

- A. Azure Machine Learning compute cluster
- B. real-time endpoint
- **C. Azure Machine Learning compute instance**
- D. default storage account

Answer: C

NEW QUESTION # 59

You need to define an evaluation strategy for the crowd sentiment models.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Answer:

Explanation:

Explanation

Step 1: Define a cross-entropy function activation

When using a neural network to perform classification and prediction, it is usually better to use cross-entropy error than classification error, and somewhat better to use cross-entropy error than mean squared error to evaluate the quality of the neural network.

Step 2: Add cost functions for each target state.

Step 3: Evaluate the distance error metric.

References:

<https://www.analyticsvidhya.com/blog/2018/04/fundamentals-deep-learning-regularization-techniques/>

NEW QUESTION # 60

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