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Schedule exam

Languages: English, Japanese, Chinese (Simplified), Korean

Retirement date: none

This exam measures your ability to accomplish the following technical tasks: manage Azure resources for machine learning; run experiments and train models; deploy and operationalize machine learning solutions; and implement responsible machine learning.

One of the key benefits of the DP-100 Certification is that it demonstrates a professional's ability to work with a variety of Azure data services, including Azure Machine Learning, Azure Databricks, and Azure Stream Analytics. These services are critical for building data science solutions that can help organizations extract insights and drive business value. By earning the DP-100 certification, data professionals can showcase their expertise in these areas and differentiate themselves from other candidates in the job market.

Skills Covered

To nail DP-100, you will need to scrutinize the below-mentioned areas:

- **Execute Experiments & Train Models**

This objective imparts updated understanding about the concepts like creating models by using Azure ML Designer, custom code modules in Designer, defining a pipeline data flow, and an experiment running by using Azure Machine Learning SDK.

- **Manage and Optimize Models**

Using automated ML for the optimal model creation, hyperdrive to tune hyperparameters, model management, and knowing the crucial model explainers to interpret models are some of the key topics explained in this portion.

- **Set up Azure ML Workspace**

The first domain gives considerable attention to skills related to the Azure ML workspace. So, the test-takers have a chance to learn about workspace settings, the management of workspace using Azure ML, and registering in addition to maintaining the datastores.

- **Deploy and Consume Models**

The last segment is all about deployment and consumption models. Topics like evaluating compute options, creating production compute targets, batch inferencing pipeline creation, and running this pipeline efficiently are well covered within such a scope.

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Reliable DP-100 Test Price & DP-100 Test Topics Pdf

You can write down your doubts or any other question of our Designing and Implementing a Data Science Solution on Azure test questions. We warmly welcome all your questions. Our online workers are responsible for solving all your problems with twenty four hours service. You still can enjoy our considerate service after you have purchased our DP-100 test guide. If you don't know how to install the study materials, our professional experts can offer you remote installation guidance. Also, we will offer you help in the process of using our DP-100 Exam Questions. Also, if you have better suggestions to utilize our study materials, we will be glad to take it seriously.

Microsoft Designing and Implementing a Data Science Solution on Azure Sample Questions (Q519-Q524):

NEW QUESTION # 519

You need to configure the Edit Metadata module so that the structure of the datasets match.

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

NOTE: Each correct selection is worth one point.

Answer:

Explanation:

NEW QUESTION # 520

You have a dataset created for multiclass classification tasks that contains a normalized numerical feature set with 10,000 data points and 150 features.

You use 75 percent of the data points for training and 25 percent for testing. You are using the scikit-learn machine learning library in Python. You use X to denote the feature set and Y to denote class labels.

You create the following Python data frames:

You need to apply the Principal Component Analysis (PCA) method to reduce the dimensionality of the feature set to 10 features in both training and testing sets.

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

NOTE: Each correct selection is worth one point.

Answer:

Explanation:

Explanation:

Box 1: PCA(n_components = 10)

Need to reduce the dimensionality of the feature set to 10 features in both training and testing sets.

Example:

```
from sklearn.decomposition import PCA
pca = PCA(n_components=2) ;2 dimensions
principalComponents = pca.fit_transform(x)
```

Box 2: pca

fit_transform(X[, y]) fits the model with X and apply the dimensionality reduction on X.

Box 3: transform(x_test)

transform(X) applies dimensionality reduction to X.

References:

<https://scikit-learn.org/stable/modules/generated/sklearn.decomposition.PCA.html>

NEW QUESTION # 521

You create a project in the Azure AI Foundry portal.

You must provide a meaningful comparison of benchmark metrics between the text-embedding-ada-002 and text-embedding-3-large models.

You need to select the metrics to use for the X and Y axes in the Metrics to compare pane.

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

NOTE: Each correct selection is worth one point.

Answer:

Explanation:

Explanation:

NEW QUESTION # 522

You are developing a machine learning solution by using the Azure Machine Learning designer.

You need to create a web service that applications can use to submit data feature values and retrieve a predicted label.

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:

1 - Create and run a training pipeline.

2 - Deploy a service to an inference cluster.

3 - Create and run a real-time inference pipeline.

NEW QUESTION # 523

You have an Azure Machine Learning workspace.

You run the following code in a Python environment in which the configuration file for your workspace has been downloaded.

instructions: 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:

Explanation

NEW QUESTION # 524

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Since it is obvious that different people have different preferences, we have prepared three kinds of different versions of our DP-100

