



Free Questions for DP-100 by certsdeals

Shared by Barton on 24-05-2024

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Question 1

Question Type: Hotspot

You manage an Azure Machine Learning workspace. You submit a training job with the Azure Machine Learning Python SDK v2. You must use MLflow to log metrics, model parameters, and model artifacts automatically when training a model.

You start by writing the following code segment:

```
import mlflow
mlflow.autolog(log_models=False, exclusive=True)
```

Select Yes if the statement is true. Otherwise, select No.

Answer Area

Statements	Yes	No
The code enables logging of autologged content to a user-created fluent run.	<input checked="" type="radio"/>	<input type="radio"/>
Trained models are logged as MLflow model artifacts.	<input type="radio"/>	<input checked="" type="radio"/>
All metrics and parameters are logged during training.	<input checked="" type="radio"/>	<input type="radio"/>

Answer:

Question 2

Question Type: MultipleChoice

You manage an Azure Machine Learning workspace. You have an environment for training jobs which uses an existing Docker image. A new version of the Docker image is available.

You need to use the latest version of the Docker image for the environment configuration by using the Azure Machine Learning SDK v2-
What should you do?

Options:

- A-** Modify the conda. file to specify the new version of the Docker image.
- B-** Use the Environment class to create a new version of the environment.
- C-** Use the create.or. update method to change the tag of the image.
- D-** Change the description parameter of the environment configuration.

Answer:

A

Question 3

Question Type: Hotspot

You manage an Azure Machine Learning workspace. You create an experiment named experiment1 by using the Azure Machine Learning Python SDK v2 and MLflow.

```
runs = mlflow.search_runs(
    experiment_names=["experiment1"],
```

es if the statement is true. Otherwise, select No.

Answer Area

Answer:

Statements	Yes
Aborted runs are returned.	<input type="radio"/>
The latest five experiment runs are returned.	<input type="radio"/>
The jobs that are returned have been canceled or killed by the user or system.	<input type="radio"/>
All metrics and their values are returned for the returned experiment runs.	<input type="radio"/>

Question 4

Question Type: Hotspot

You create an Azure Machine Learning workspace.

You must use the Python SDK v2 to implement an experiment from a Jupyter notebook in the workspace. The experiment must log a table in the following format:

```
table = {
    "col1" : [1, 2, 3],
    "col2" : [4, 5, 6]
}
```

code to log the table.

To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Answer:

```
import json
with open("table.json", 'w') as f:
    json.
```

dump (table, f)
load
dump
encode

mlflow.log_artifact ("table.json")
mlflow.log_text
mlflow.log_artifact
MLflowClient().log_batch

Question 5

Question Type: Hotspot

You create an Azure Machine learning workspace. The workspace contains a folder named src. The folder contains a Python script named script 1 .py.

You use the Azure Machine Learning Python SDK v2 to create a control script. You must use the control script to run script 1.py as part of a training job.

You need to complete the section of script that defines the job parameters.

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

NOTE: Each correct selection is worth one point.

Answer Area

Answer:

```
ws = Workspace.from_config()
ml_client = MLClient(
    ws.subscription_id,
    ws.resource_group,
    ws.name)
job = mlclient (
    command "c",
    mlclient
    code = "./src",
    script "python script1.py",
    environment="AzureML-sklearn-0.24-ubuntu18.04-py37-cpu@latest",
    path "cpu-cluster",
    display_name="hello-world-example",
)
```

Question 6

Question Type: MultipleChoice

You are profiling mltabte data assets by using Azure Machine Learning studio. You need to detect columns with odd or missing values. Which statistic should you analyze?

Options:

- A- Profile
- B- Std deviation
- C- Error count
- D- Type

Answer:

C

Question 7

Question Type: Hotspot

You create an Azure Machine Learning dataset. You use the Azure Machine Learning designer to transform the dataset by using an Execute Python Script component and custom code.

You must upload the script and associated libraries as a script bundle.

You need to configure the Execute Python Script component.

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

NOTE Each correct selection is worth one point.

Answer Area

Answer:

Component setting

Input port

Configuration value

left
right
middle
left

Script bundle format

zip
gzip
zip
tar

Question 8

Question Type: MultipleChoice

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?

Options:

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

Answer:

D

Question 9

Question Type: Hotspot

You create an Azure Machine Learning workspace. You train a classification model by using automated machine learning (automated ML) in Azure Machine Learning studio. The training data contains multiple classes that have significantly different numbers of samples.

You must use a metric type to avoid labeling negative samples as positive and an averaging method that will minimize the class imbalance.

You need to configure the metric type and the averaging method.

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

NOTE: Each correct selection is worth one point.

Answer Area

Answer:

Metric property

Metric type

Value

r2_score
precision
accuracy
r2_score

Averaging method

micro
micro
macro
log_loss

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