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>> Valid Study DP-100 Questions <<

Microsoft DP-100 Test Fee, Study DP-100 Plan

This is a Microsoft DP-100 practice exam software for Windows computers. This DP-100 practice test will be similar to the actual Designing and Implementing a Data Science Solution on Azure (DP-100) exam. If user wish to test the Microsoft DP-100 study material before joining Exam4Docs, they may do so with a free sample trial. This DP-100 Exam simulation software can be readily installed on Windows-based computers and laptops. Since it is desktop-based Microsoft DP-100 practice exam software, it is not necessary to connect to the internet to use it.

Microsoft DP-100 Practice Test Questions, Microsoft DP-100 Exam Practice Test Questions

The Microsoft DP-100: Designing & Implementing a Data Science Solution on Azure exam evaluates the skills and knowledge of the professionals in a range of technical tasks. These include training models and running experiments, setting up an Azure ML workspace, consuming and deploying models, and managing & optimizing models. This test is the only qualifying exam that leads to the Microsoft Certified: Azure Data Scientist Associate certification.

Microsoft Designing and Implementing a Data Science Solution on Azure Sample Questions (Q116-Q121):

NEW QUESTION # 116

Hotspot Question

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.

Feature	Importance
0	1.5627435610083558
2	0.6077689312583112
4	0.5574002432900718
3	0.42858759955671777
1	0.501361539771977

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 Area

```
# Assume required modules are imported
```

```
ws = Workspace.from_config()
feature_importances = explanation.
```

```
explanation = client.
```

```
feature_importances = explanation.
```

```
for key, value in feature_importances.items():
    print(key, "\t", value)
```

(workspace = ws,
experiment_name='train_and_explain',
run_id='train_and_explain_12345')

from_run
list_model_explanations
from_run_id
download_model_explanation

()

upload_model_explanation
list_model_explanations
run
download_model_explanation

()

explanation
explanation_client
get_feature_important_dict
download_model_explanation



Answer:

Explanation:

Answer Area

```
# Assume required modules are imported

ws = Workspace.from_config()
feature_importances = explanation.

explanation = client.

feature_importances = explanation.

for key, value in feature_importances.items():
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(workspace = ws,
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from_run
list_model_explanations
from_run_id
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()

upload_model_explanation
list_model_explanations
run
download_model_explanation

()

explanation
explanation_client
get_feature_important_dict
download_model_explanation

from_run

list_model_explanations

from_run_id

download_model_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-](https://docs.microsoft.com/en-us/python/api/azureml-contrib-interpret/azureml.contrib.interpret.explanation.explanation_client.explanationclient?view=azure-ml-py)

[interpret/azureml.contrib.interpret.explanation.explanation_client.explanationclient?view=azure-ml-py](https://docs.microsoft.com/en-us/python/api/azureml-contrib-interpret/azureml.contrib.interpret.explanation.explanation_client.explanationclient?view=azure-ml-py)

NEW QUESTION # 117

You are developing a deep learning model by using TensorFlow. You plan to run the model training workload on an Azure Machine Learning Compute Instance.

You must use CUDA-based model training.

You need to provision the Compute Instance.

Which two virtual machines sizes can you use? To answer, select the appropriate virtual machine sizes in the answer area.

NOTE: Each correct selection is worth one point.

Virtual machine size				
 Microsoft				
Search by name...				
Name ↑	vCPUs	GPUs	RAM	Resource disk
BASIC_A0	1		0.75 GB	20 GB
STANDARD_D3_V2	4		14 GB	200 GB
STANDARD_E64_V3	64		432 GB	1,600 GB
STANDARD_M64LS	64		512 GB	2,000 GB
STANDARD_NC12	12	2	112 GB	680 GB
STANDARD_NC24	24	4	224 GB	1,440 GB

Answer:

Explanation:

Virtual machine size

Search by name...				
Name ↑	vCPUs	GPUs	RAM	Resource disk
BASIC_A0	1		0.75 GB	20 GB
STANDARD_D3_V2	4		14 GB	200 GB
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STANDARD_M64LS	64		512 GB	2,000 GB
STANDARD_NC12	12	2	112 GB	680 GB
STANDARD_NC24	24	4	224 GB	1,440 GB

Reference:

<https://www.infoworld.com/article/3299703/what-is-cuda-parallel-programming-for-gpus.html>

NEW QUESTION # 118

You configure a Deep Learning Virtual Machine for Windows.

You need to recommend tools and frameworks to perform the following:

Build deep neural network (DNN) models

Perform interactive data exploration and visualization

Which tools and frameworks should you recommend? To answer, drag the appropriate tools to the correct tasks. Each tool may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Tools

- Vowpal Wabbit
- PowerBI Desktop
- Azure Data Factory
- Microsoft Cognitive Toolkit

Answer Area

Task

- Build DNN models
- Enable interactive data exploration and visualization

Tool

- Tool
- Tool

Microsoft

Answer:

Explanation:

Tools

- Vowpal Wabbit
- PowerBI Desktop
- Azure Data Factory
- Microsoft Cognitive Toolkit

Answer Area

Task

- Build DNN models
- Enable interactive data exploration and visualization

Tool

- Vowpal Wabbit
- PowerBI Desktop

Microsoft

Explanation

Task

- Build DNN models
- Enable interactive data exploration and visualization

Tool

- Vowpal Wabbit
- PowerBI Desktop

Microsoft

Box 1: Vowpal Wabbit

Use the Train Vowpal Wabbit Version 8 module in Azure Machine Learning Studio (classic), to create a machine learning model by using Vowpal Wabbit.

Box 2: PowerBI Desktop

Power BI Desktop is a powerful visual data exploration and interactive reporting tool BI is a name given to a modern approach to business decision making in which users are empowered to find, explore, and share insights from data across the enterprise.

References:

<https://docs.microsoft.com/en-us/azure/machine-learning/studio-module-reference/train-vowpal-wabbit-version-8>

<https://docs.microsoft.com/en-us/azure/architecture/data-guide/scenarios/interactive-data-exploration>

NEW QUESTION # 119

You have a multi-class image classification deep learning model that uses a set of labeled photographs. You create the following code to select hyperparameter values when training the model.


```
from azureml.train.hyperdrive import BayesianParametersSampling
param_sampling = BayesianParametersSampling ({
    "learning_rate": uniform(0.01, 0.1),
    "batch_size": choice(16, 32, 64, 128)}
)
```

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

NOTE: Each correct selection is worth one point.

	Yes	No
Hyperparameter combinations for the runs are selected based on how previous samples performed in the previous experiment run.	☐	☐
The learning rate value 0.09 might be used during model training.	☐	☐
You can define an early termination policy for this hyperparameter tuning run.	☐	☐

Answer:

Explanation:

	Yes	No
Hyperparameter combinations for the runs are selected based on how previous samples performed in the previous experiment run.	☒	☐
The learning rate value 0.09 might be used during model training.	☒	☐
You can define an early termination policy for this hyperparameter tuning run.	☐	☒

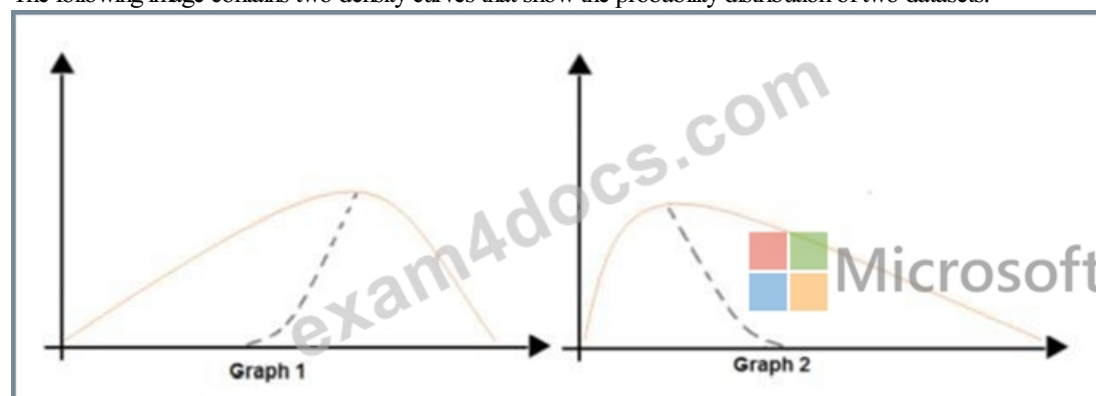
Reference:

<https://docs.microsoft.com/en-us/azure/machine-learning/how-to-tune-hyperparameters>

NEW QUESTION # 120

You are analyzing the asymmetry in a statistical distribution.

The following image contains two density curves that show the probability distribution of two datasets.



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

NOTE: Each correct selection is worth one point.

Question	Answer choice
Which type of distribution is shown for the dataset density curve of Graph 1?	▼ Negative skew Positive skew Normal distribution Bimodal distribution
Which type of distribution is shown for the dataset density curve of Graph 2?	▼ Negative skew Positive skew Normal distribution Bimodal distribution

Answer:

Explanation:

Question	Answer choice
Which type of distribution is shown for the dataset density curve of Graph 1?	▼ Negative skew Positive skew Normal distribution Bimodal distribution
Which type of distribution is shown for the dataset density curve of Graph 2?	▼ Negative skew Positive skew Normal distribution Bimodal distribution

Explanation

Question	Answer choice
Which type of distribution is shown for the dataset density curve of Graph 1?	▼ Negative skew Positive skew Normal distribution Bimodal distribution
Which type of distribution is shown for the dataset density curve of Graph 2?	▼ Negative skew Positive skew Normal distribution Bimodal distribution

Box 1: Positive skew

Positive skew values means the distribution is skewed to the right.

Box 2: Negative skew

Negative skewness values mean the distribution is skewed to the left.

References:

<https://docs.microsoft.com/en-us/azure/machine-learning/studio-module-reference/compute-elementary-statistics>

NEW QUESTION # 121

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Another version of Designing and Implementing a Data Science Solution on Azure (DP-100) practice exams is also available at Exam4Docs and that is web-based. It has all specifications we have discussed above in the section of the Microsoft DP-100 desktop practice test software. But the only difference is that this web-based DP-100 practice exam software works online and needs no software installation. Furthermore, this DP-100 Practice Exam is supported by both Windows and iOS, Android, Mac, and Linux. Since it is the web-based DP-100 practice exam, you can take it from Opera, Chrome, Safari, Firefox, or any other

popular browser.

DP-100 Test Fee: <https://www.exam4docs.com/DP-100-study-questions.html>

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