

2026 Exam DP-100 Guide Materials 100% Pass | Efficient DP-100: Designing and Implementing a Data Science Solution on Azure 100% Pass

Mindset

● Tone in speech can include what 5 elements.. Answer: Pitch Pace
Volume Inflection Emphasis

● 7 habits of highly effective people. Answer: 1. Be proactive
2. Begin with the end in mind
3. Put first things first
4. Think win-win
5. Seek first to understand, then to be understood
6. Synergize
7. Sharpen the saw

● What are formatting tools? (computer literacy). Answer: Tools that are used to give shape, size, and general makeup (as of something printed).

· Line breaks· Indentation·

Font size and type·

Headers and sub headers·

Bullet points or numbered lists·

Italics, bold, and underlined text·

Capital letters

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Microsoft Designing and Implementing a Data Science Solution on Azure Sample Questions (Q514-Q519):

NEW QUESTION # 514

You are creating a machine learning model.

You need to identify outliers in the data.

Which two visualizations can you use? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

NOTE: Each correct selection is worth one point.

- A. Venn diagram
- B. random forest diagram
- C. ROC curve
- **D. box plot**
- **E. scatter**

Answer: D,E

Explanation:

Explanation

The box-plot algorithm can be used to display outliers.

One other way to quickly identify Outliers visually is to create scatter plots.

References:

<https://blogs.msdn.microsoft.com/azuredev/2017/05/27/data-cleansing-tools-in-azure-machine-learning/>

NEW QUESTION # 515

You create an Azure Machine Learning workspace.

You must create a custom role named DataScientist that meets the following requirements:

- Role members must not be able to delete the workspace.
- Role members must not be able to create, update, or delete compute resource in the workspace.
- Role members must not be able to add new users to the workspace.

You need to create a JSON file for the DataScientist role in the Azure Machine Learning workspace.

The custom role must enforce the restrictions specified by the IT Operations team.

Which JSON code segment should you use?

- **A.** ☐
- B. ☐
- C. ☐
- D. ☐

Answer: A

Explanation:

The following custom role can do everything in the workspace except for the following actions:

It can't create or update a compute resource.

It can't delete a compute resource.

It can't add, delete, or alter role assignments.

It can't delete the workspace.

To create a custom role, first construct a role definition JSON file that specifies the permission and scope for the role. The following example defines a custom role named "Data Scientist Custom" scoped at a specific workspace level:

data_scientist_custom_role.json :

```
{
  "Name": "Data Scientist Custom",
  "IsCustom": true,
  "Description": "Can run experiment but can't create or delete compute.", "Actions": ["*"],
  "NotActions": [
    "Microsoft.MachineLearningServices/workspaces/*/delete",
    "Microsoft.MachineLearningServices/workspaces/write",
    "Microsoft.MachineLearningServices/workspaces/computes/*/write",
    "Microsoft.MachineLearningServices/workspaces/computes/*/delete",
    "Microsoft.Authorization/*/write"
  ],
  "AssignableScopes": [
    "/subscriptions/<subscription_id>/resourceGroups/<resource_group_name>/providers/
    Microsoft.MachineLearningServices/workspaces/<workspace_name>" ]
}
```

Reference:

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

NEW QUESTION # 516

You are using Azure Machine Learning to train machine learning models. You need a compute target on which to remotely run the training script. You run the following Python code:

□

Answer:

Explanation:

Reference:

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

<https://docs.microsoft.com/en-us/azure/machine-learning/how-to-create-attach-compute-studio>

NEW QUESTION # 517

You are evaluating a Python NumPy array that contains six data points defined as follows:

data = [10, 20, 30, 40, 50, 60]

You must generate the following output by using the k-fold algorithm implantation in the Python Scikit-learn machine learning library:

train: [10 40 50 60], test: [20 30]

train: [20 30 40 60], test: [10 50]

train: [10 20 30 50], test: [40 60]

You need to implement a cross-validation to generate the output.

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

NOTE: Each correct selection is worth one point.

□

Answer:

Explanation:

□

Reference:

https://scikit-learn.org/stable/modules/generated/sklearn.model_selection.KFold.html

You need to implement early stopping criteria as suited in the model training requirements.

NOTE: More than one order of answer choices is correct. You will receive credit for any of the correct orders you select.

Explanation:

□ Explanation:

You need to implement an early stopping criterion on models that provides savings without terminating promising jobs.

Truncation selection cancels a given percentage of lowest performing runs at each evaluation interval. Runs are compared based on their performance on the primary metric and the lowest X% are terminated.

Example:

```
from azureml.train.hyperdrive import TruncationSelectionPolicy
```

```
early_termination_policy = TruncationSelectionPolicy(evaluation_interval=1, truncation_percentage=20, delay_evaluation=5)
```

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