

# DP-100 Latest Exam Pdf & DP-100 Exam Training Materials & DP-100 Valid Exam Topics

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**Microsoft DP-100 Exam Syllabus Topics:**

Topic	Objective
Topic 1	<ul style="list-style-type: none"> <li>Configure a Relative Scale Of Data</li> <li>Configure a Dataset To Improve Scalability</li> <li>Adjust Performance Metrics To Resolve Inconsistencies</li> </ul>
Topic 2	<ul style="list-style-type: none"> <li>Design The Data Partitioning Flow</li> <li>Identify anomalies, Outliers, And Other Data Issues</li> </ul>
Topic 3	<ul style="list-style-type: none"> <li>Transform Data Into Usable Formats</li> <li>Generate Data Structures</li> <li>Perform Conceptual Data Analysis (If Any)</li> </ul>
Topic 4	<ul style="list-style-type: none"> <li>Select An Algorithmic Approach</li> <li>Consider Data Operational Status That Are Specific To The Selected Algorithms</li> </ul>
Topic 5	<ul style="list-style-type: none"> <li>Determine Appropriate Performance Metrics</li> <li>Implement Algorithmic Algorithms</li> </ul>
Topic 6	<ul style="list-style-type: none"> <li>Define And Prepare The Development Environment</li> <li>Select Development Frameworks</li> </ul>
Topic 7	<ul style="list-style-type: none"> <li>Perform Feature Extraction Algorithms On Structured Data</li> <li>Perform Feature Extraction Algorithms On Non-Structured Data</li> </ul>

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Our DP-100 guide torrent has gone through strict analysis and summary according to the past exam papers and the popular trend in the industry and are revised and updated. The DP-100 exam questions have simplified the sophisticated notions. The software boosts varied self-learning and self-assessment functions to check the learning results. The software of our DP-100 Test Torrent provides the statistics report function and help the students find the weak links and deal with them. With this version of our DP-100 exam questions, you will be able to pass the exam easily.

We can offer further help related with our DP-100 study engine which win us high admiration. By devoting in this area so many years, we are omnipotent to solve the problems about the DP-100 practice questions with stalwart confidence. Providing services 24/7 with patient and enthusiastic staff, they are willing to make your process more convenient. So, if I can be of any help to you in the future, please feel free to contact us at any time on our DP-100 Exam Brindumps.

>> DP-100 Reliable Brindumps Ppt <<

**Pass Guaranteed 2026 Microsoft Useful DP-100: Designing and Implementing a Data Science Solution on Azure Reliable Brindumps Ppt**

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Microsoft DP-100 (Designing and Implementing a Data Science Solution on Azure) Certification Exam is designed for professionals who want to validate their expertise in designing and implementing data science solutions using Microsoft Azure technologies. Designing and Implementing a Data Science Solution on Azure certification exam is aimed at data scientists, data engineers, and other professionals who work with data and want to demonstrate their skills in this field. DP-100 exam tests the candidate's knowledge of Azure data services, machine learning, and other related technologies.

The DP-100 Exam covers a range of topics, including creating and managing data sets, building and training predictive models, deploying models to production environments, and monitoring and optimizing the performance of models. Candidates will be required to demonstrate their ability to work with Azure Machine Learning, Azure Databricks, and other Azure data services, and to use tools such as Python and R to design and implement data solutions.

## Microsoft Designing and Implementing a Data Science Solution on Azure Sample Questions (Q159-Q164):

### NEW QUESTION # 159

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You plan to use a Python script to run an Azure Machine Learning experiment. The script creates a reference to the experiment run context, loads data from a file, identifies the set of unique values for the label column, and completes the experiment run:

```
from azureml.core import Run
import pandas as pd
run = Run.get_context()
data = pd.read_csv('data.csv')
label_vals = data['label'].unique()
# Add code to record metrics here
run.complete()
```

The experiment must record the unique labels in the data as metrics for the run that can be reviewed later.

You must add code to the script to record the unique label values as run metrics at the point indicated by the comment.

Solution: Replace the comment with the following code:

```
for label_val in label_vals:
run.log('Label Values', label_val)
```

Does the solution meet the goal?

- A. Yes
- B. No

**Answer: A**

Explanation:

The `run_log` function is used to log the contents in `label_vals`:

```
for label_val in label_vals:
run.log('Label Values', label_val)
```

Reference:

<https://www.element61.be/en/resource/azure-machine-learning-services-complete-toolbox-ai>

### NEW QUESTION # 160

You collect data from a nearby weather station. You have a pandas dataframe named `weather_df` that includes the following data:

Temperature	Observation_time	Humidity	Pressure	Visibility	Days_since_last observation
74	2019/10/2 00:00	0.62	29.87	3	0.5
89	2019/10/2 12:00	0.70	28.88	10	0.5
72	2019/10/3 00:00	0.64	30.00	8	0.5
80	2019/10/3 12:00	0.66	29.75	7	0.5

The data is collected every 12 hours: noon and midnight.

You plan to use automated machine learning to create a time-series model that predicts temperature over the next seven days. For the initial round of training, you want to train a maximum of 50 different models.

You must use the Azure Machine Learning SDK to run an automated machine learning experiment to train these models.

You need to configure the automated machine learning run.

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

NOTE: Each correct selection is worth one point.

```
automl_config = AutoMLConfig(task="
```

- regression
- forecasting
- classification
- deep learning

```
training_data=weather_df,
label_column_name="
```

- humidity
- pressure
- visibility
- temperature
- days\_since\_last observation\_time

```
time_column_name="
```

- humidity
- pressure
- visibility
- temperature
- days\_since\_last observation\_time

```
max_horizon=
```

- 2
- 6
- 7
- 12
- 14
- 50

```
iterations=
```

- 2
- 6
- 7
- 12
- 14
- 50

```
iteration_timeout_minutes=5,
primary_metric="r2_score")
```



Answer:

Explanation:

```
automl_config = AutoMLConfig(task="
```

▼	“,
regression	
forecasting	
classification	
deep learning	

```
training_data=weather_df,  
label_column_name="
```

▼	“,
humidity	
pressure	
visibility	
temperature	
days_since_last	
observation_time	

```
time_column_name="
```

▼	“,
humidity	
pressure	
visibility	
temperature	
days_since_last	
observation_time	

```
max_horizon=
```

▼	,
2	
6	
7	
12	
14	
50	

```
iterations=
```

▼	,
2	
6	
7	
12	
14	
50	

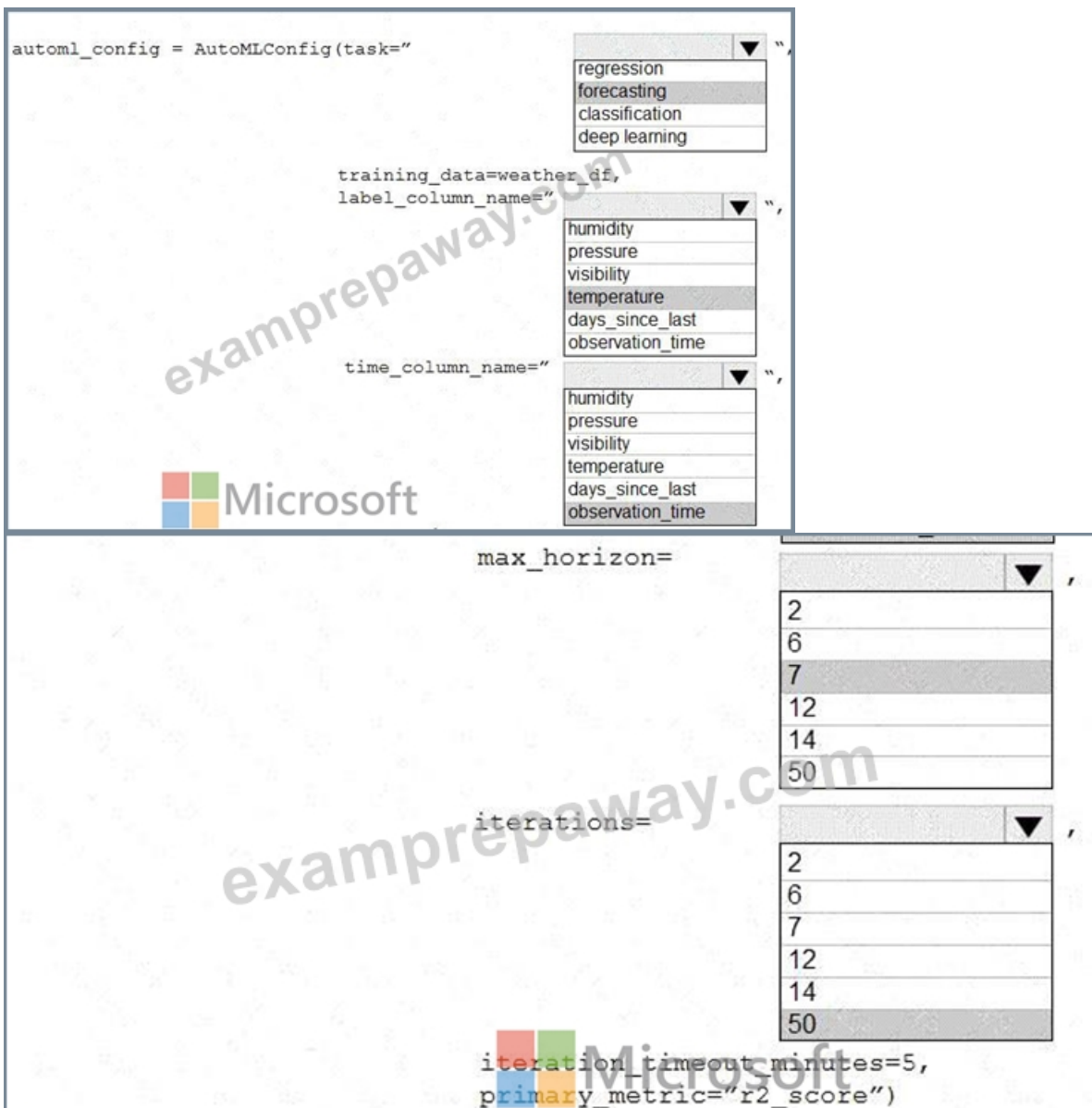
```
iteration_timeout_minutes=5,  
primary_metric="r2_score")
```

Explanation:



Microsoft

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Box 1: forecasting

Task: The type of task to run. Values can be 'classification', 'regression', or 'forecasting' depending on the type of automated ML problem to solve.

Box 2: temperature

The training data to be used within the experiment. It should contain both training features and a label column (optionally a sample weights column).

Box 3: observation\_time

time\_column\_name: The name of the time column. This parameter is required when forecasting to specify the datetime column in the input data used for building the time series and inferring its frequency. This setting is being deprecated. Please use forecasting\_parameters instead.

Box 4: 7

"predicts temperature over the next seven days"

max\_horizon: The desired maximum forecast horizon in units of time-series frequency. The default value is 1.

Units are based on the time interval of your training data, e.g., monthly, weekly that the forecaster should predict out. When task type is forecasting, this parameter is required.

Box 5: 50

"For the initial round of training, you want to train a maximum of 50 different models." Iterations: The total number of different algorithm and parameter combinations to test during an automated ML experiment.

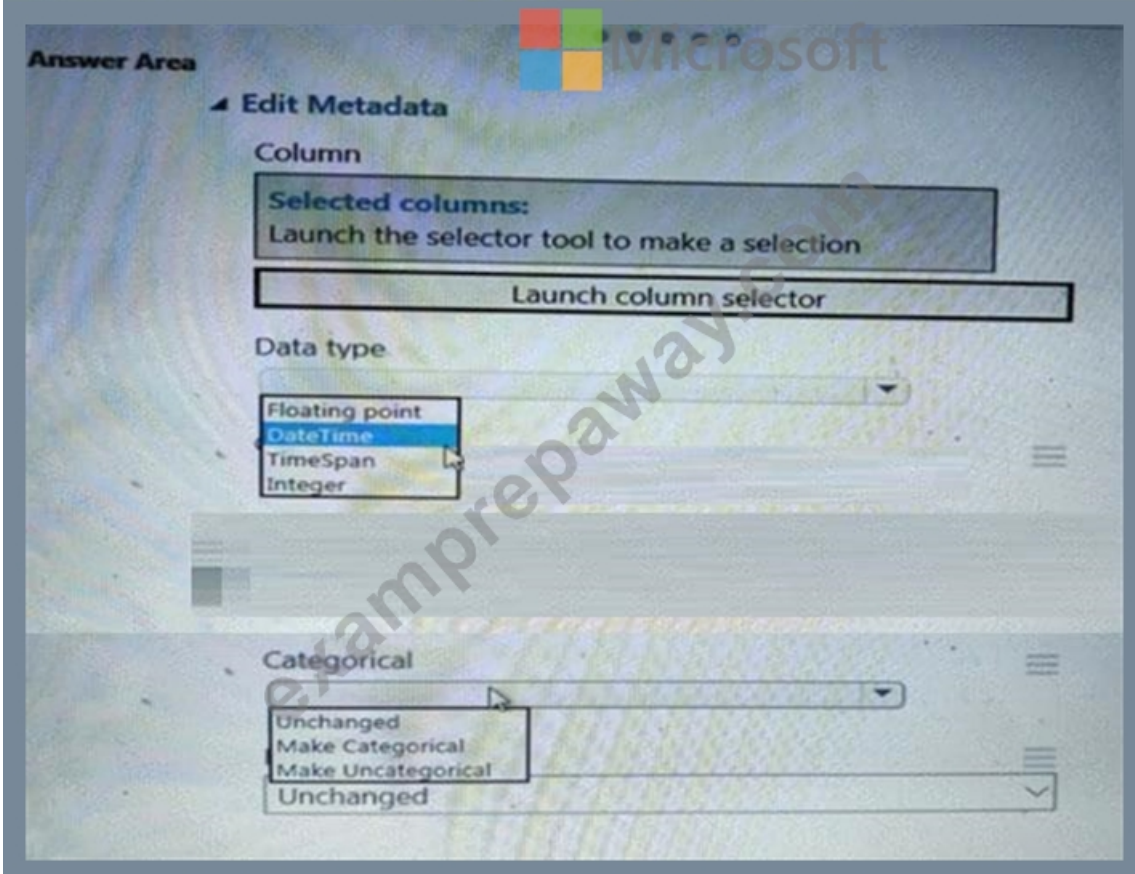
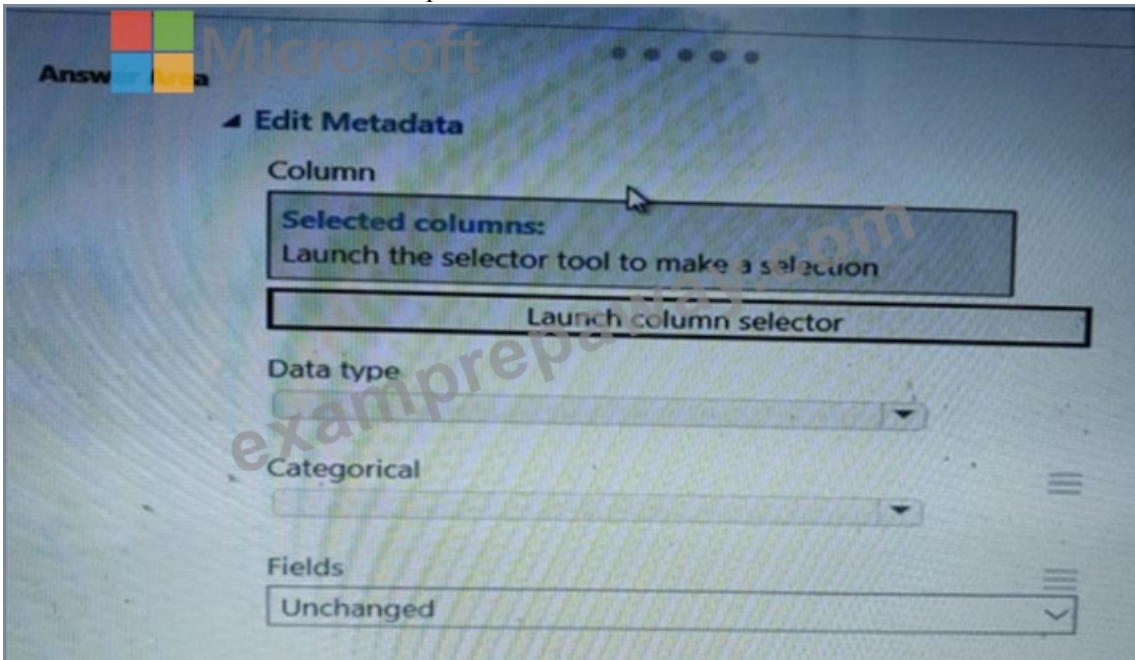
Reference:

<https://docs.microsoft.com/en-us/python/api/azureml-train-automl-client/azureml.train.automl.automlconfig.automlconfig>

**NEW QUESTION # 161**

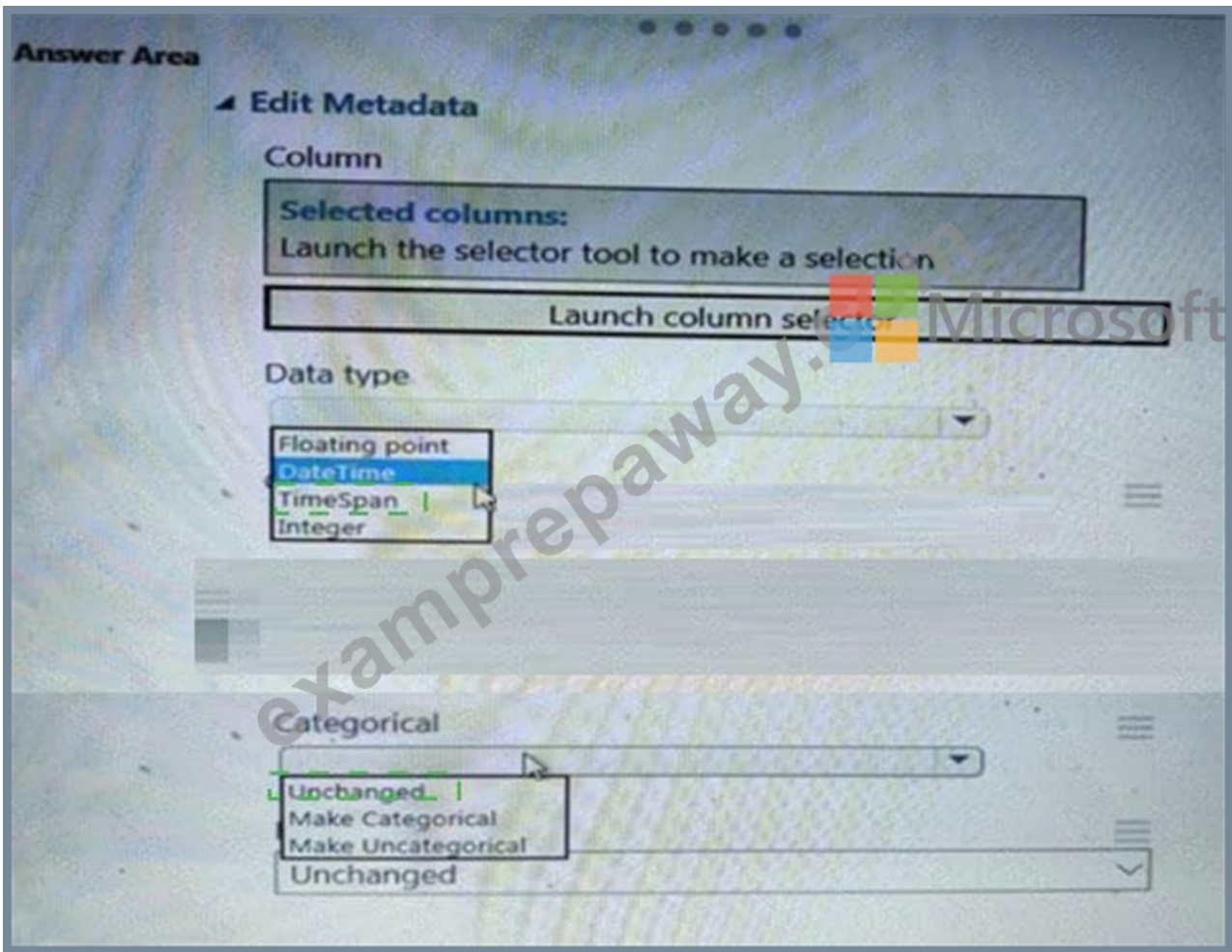
You need to configure the Edit Metadata module so that the structure of the datasets match. Which configuration options should you select? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

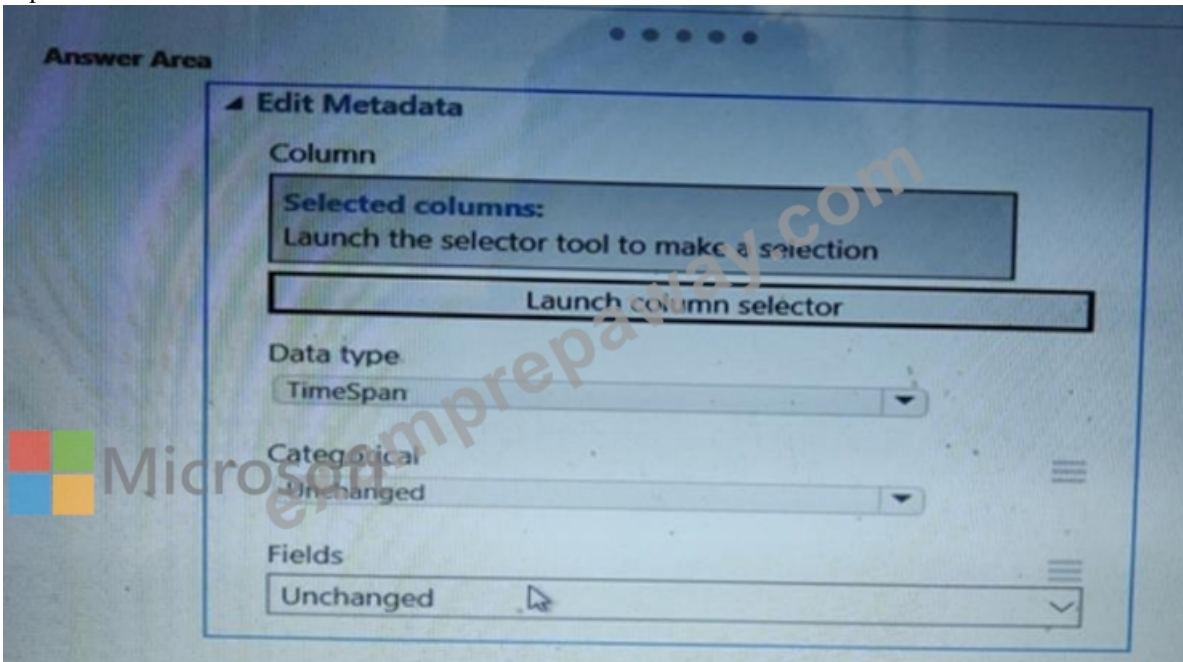


**Answer:**

**Explanation:**



Explanation



#### NEW QUESTION # 162

You manage an Azure Machine Learning workspace named Workspace1 and an Azure Blob Storage accessed by using the URL <https://storage1.blob.core.windows.net/data1>.

You plan to create an Azure Blob datastore in Workspace1. The datastore must target the Blob Storage by using Azure Machine Learning Python SDK v2. Access authorization to the datastore must be limited to a specific amount of time.

You need to select the parameters of the Azure Blob Datastore class that will point to the target datastore and authorize access to it.

Which parameters should you use? To answer, select the appropriate options in the answer area NOTE: Each correct selection is worth one point.

Datastore parameters

Parameter purpose  
Point to the target datastore.

Authorize access.

Value

- container\_name = "data1"
- container\_name = "data1"
- filesystem = "data1"
- file\_share\_name = "data1"
- credentials = SaSTokenConfiguration
- credentials = AccountKeyConfiguration
- credentials = SaSTokenConfiguration
- credentials = ServicePrincipalCredentials

**Answer:**

Explanation:

Datastore parameters

Parameter purpose  
Point to the target datastore.

Authorize access.

Value

- container\_name = "data1"
- container\_name = "data1"
- filesystem = "data1"
- file\_share\_name = "data1"
- credentials = SaSTokenConfiguration
- credentials = AccountKeyConfiguration
- credentials = SaSTokenConfiguration
- credentials = ServicePrincipalCredentials

Explanation:

Datastore parameters

Parameter purpose  
Point to the target datastore.

Authorize access.

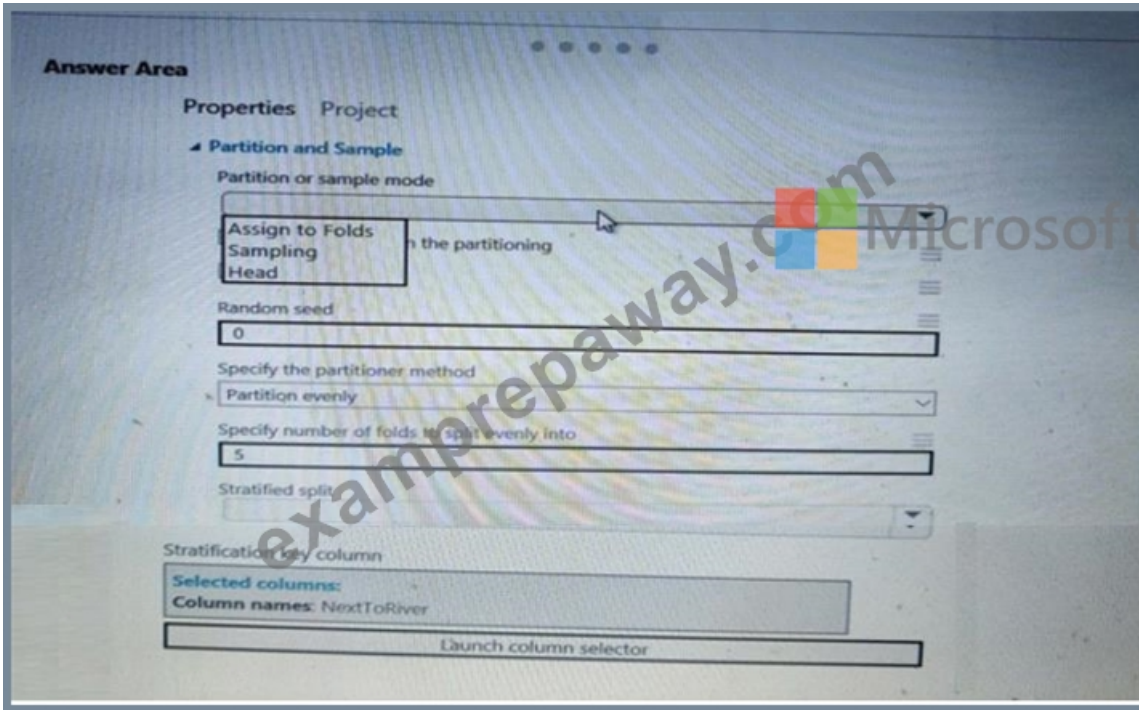
Value

- container\_name = "data1"
- credentials = SaSTokenConfiguration

### NEW QUESTION # 163

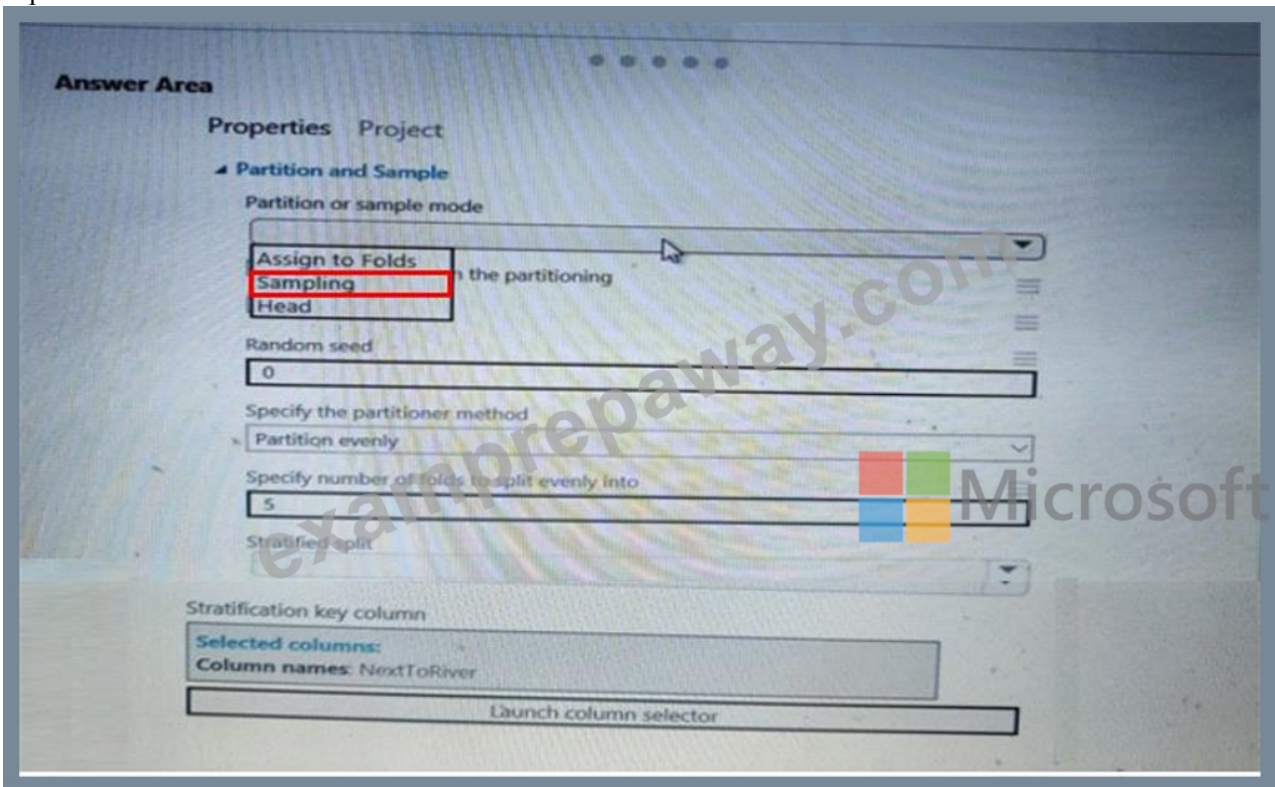
You need to identify the methods for dividing the data according to the testing requirements.

Which properties should you select? To answer, select the appropriate option- in the answer area. NOTE: Each correct selection is worth one point.



Answer:

Explanation:



#### NEW QUESTION # 164

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