

# DP-500<sup>Q&As</sup>

Designing and Implementing Enterprise-Scale Analytics Solutions Using  
Microsoft Azure and Microsoft Power BI

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**QUESTION 1**

You are using a Python notebook in an Apache Spark pool in Azure Synapse Analytics. You need to present the data distribution statistics from a DataFrame in a tabular view. Which method should you invoke on the DataFrame?

- A. freqItems
- B. sample
- C. corr
- D. describe

Correct Answer: D

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**QUESTION 2**

You need to populate the CustomersWithProductScore table.

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

NOTE: Each correct selection is worth one point.

Hot Area:

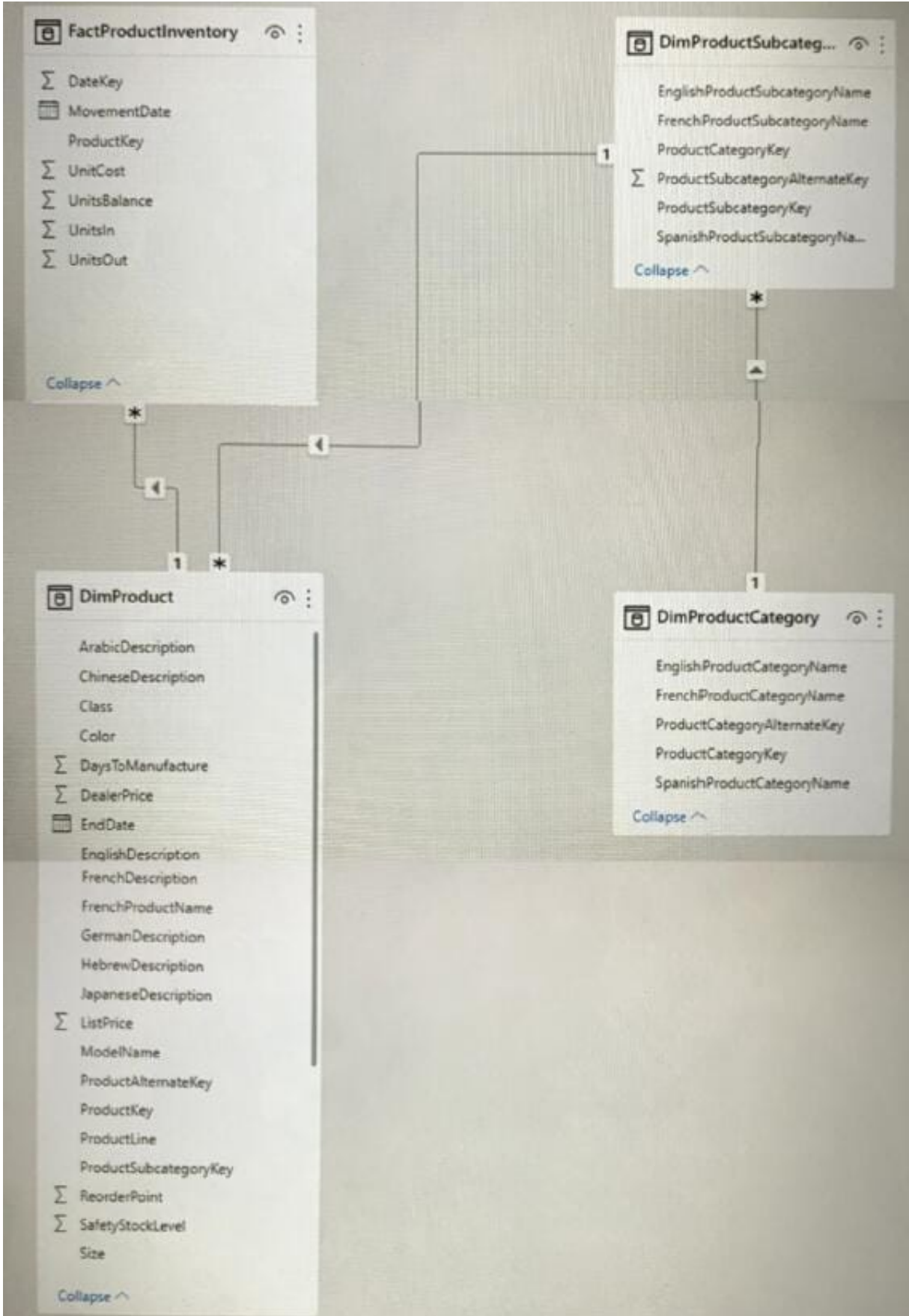
```
DECLARE @model  
SELECT model  
FROM MLModel  
WHERE model_name = 'PredictPurchase'  
);  
INSERT INTO CustomersWithProductScore (  
CustomerID  
,CustomerEmail  
,ProductID  
,ProductName  
,Score  
)  
SELECT d.CustomerID  
,d.CustomerEmail  
,d.ProductID  
,d.ProductName  
,p.score  
FROM PREDICT(MODEL = @model, DATA =  
WITH (score FLOAT) AS p;  
AS d)
```

Correct Answer:

```
DECLARE @model  
SELECT model  
FROM MLModel  
WHERE model_name = 'PredictPurchase'  
);  
INSERT INTO CustomersWithProductScore (  
CustomerID  
,CustomerEmail  
,ProductID  
,ProductName  
,Score  
)  
SELECT d.CustomerID  
,d.CustomerEmail  
,d.ProductID  
,d.ProductName  
,p.score  
FROM PREDICT(MODEL = @model, DATA =  
WITH (score FLOAT) AS p;  
AS d)  
dbo.Customer  
dbo.CustomerPurchases  
dbo.CustomersWithProductScore  
dbo.Product
```

**QUESTION 3**

You have the Power BI data model shown in the exhibit (Click the Exhibit tab.) Users indicate that when they build reports from the data model, the reports take a long time to load.



You need to recommend a solution to reduce the load times of the reports.



Solution: You recommend denormalizing the data model. Does this meet the goal?

A. Yes

B. No

Correct Answer: A

#### QUESTION 4

DRAG DROP

You have a Power BI dataset that contains the following measures:

Budget Actuals Forecast

You create a report that contains 10 visuals.

You need provide users with the ability to use a slicer to switch between the measures in two visuals only.

You create a dedicated measure named cg Measure switch.

How should you complete the DAX expression for the Actuals measure? To answer, drag the appropriate values to the targets. Each value may be used once, more than once, or not at all. You may need to drag the split bar between panes or

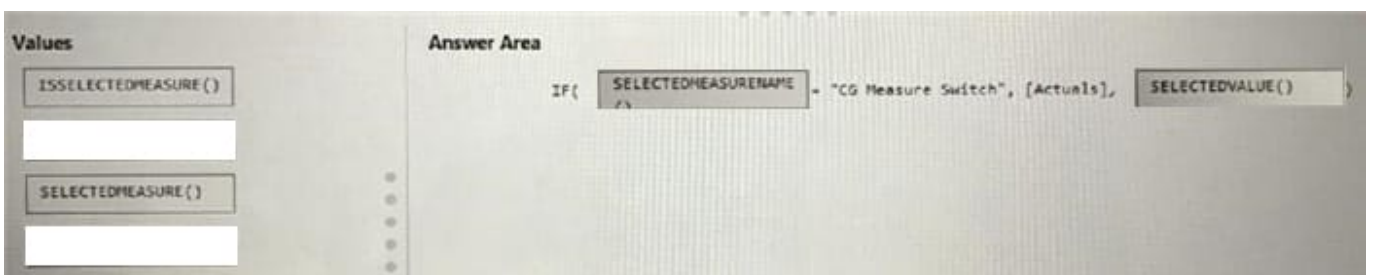
scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:



Correct Answer:



**QUESTION 5**

DRAG DROP

You have a shared dataset in Power BI named Dataset1.

You have an on-premises Microsoft SQL Server database named DB1.

You need to ensure that Dataset1 refreshes data from DB1.

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.

Select and Place:

**Actions**

- From powerbi.com, configure Dataset1 to use a data gateway.
- From powerbi.com, add a data source to the gateway clusters.
- Create a virtual network data gateway.
- Install the on-premises data gateway (standard mode).
- Configure a private endpoint.
- Install the on-premises data gateway (personal mode).

**Answer Area**

Correct Answer:

**Actions**

- From powerbi.com, add a data source to the gateway clusters.
- Install the on-premises data gateway (standard mode).
- Configure a private endpoint.

**Answer Area**

- Create a virtual network data gateway.
- From powerbi.com, configure Dataset1 to use a data gateway.
- Install the on-premises data gateway (personal mode).