

The following information is for reference:

(5) The optimal value of the supply chain

- Report

1995

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To prepare for the PL 200 exam, candidates must have a good understanding of data analysis concepts and the following Desmos

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Microsoft Power BI Data Analyst Sample Questions (Q383-Q388):

NEW QUESTION # 383


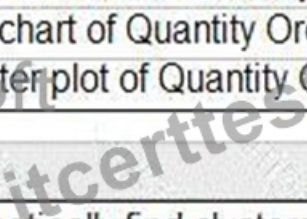
You have a dataset named Pens that contains the following columns:

- * Item
- * Unit Price
- * Quantity Ordered

You need to create a visualization that shows the relationship between Unit Price and Quantity Ordered. The solution must highlight orders that have a similar unit price and ordered quantity.

Which type of visualization and which feature should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Visualization:  


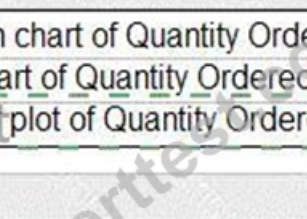
A column chart of Quantity Ordered and Unit Price by year
A line chart of Quantity Ordered and Unit Price by item
A scatter plot of Quantity Ordered and Unit Price by item

Feature:

Automatically find clusters
Explain the decrease
Find where the distribution is different

Answer:

Explanation:

Visualization:  

A column chart of Quantity Ordered and Unit Price by year
A line chart of Quantity Ordered and Unit Price by item
A scatter plot of Quantity Ordered and Unit Price by item

Feature:

Automatically find clusters
Explain the decrease
Find where the distribution is different

Explanation

Visualization: ▼

- A column chart of Quantity Ordered and Unit Price by year
- A line chart of Quantity Ordered and Unit Price by item
- A scatter plot of Quantity Ordered and Unit Price by item

Feature: ▼

- Automatically find clusters
- Explain the decrease
- Find where the distribution is different

Box 1: A scatter plot...

A scatter chart always has two value axes to show: one set of numerical data along a horizontal axis and another set of numerical values along a vertical axis. The chart displays points at the intersection of an x and y numerical value, combining these values into single data points. Power BI may distribute these data points evenly or unevenly across the horizontal axis. It depends on the data the chart represents.

Box 2: Automatically find clusters

Scatter charts are a great choice to show patterns in large sets of data, for example by showing linear or non-linear trends, clusters, and outliers.

Reference:

<https://docs.microsoft.com/en-us/power-bi/visuals/power-bi-visualization-scatter>

NEW QUESTION # 384

Hotspot Question

You have a Power BI semantic model named Modell that contains a table named Sales.

Sales contains 10 million records and the following data.

Column name	Data type	Description
PurchaseID	Text	Contains a unique ID for each order
CustomerID	Text	Contains a unique ID for each customer
PurchaseDateTime	Date/Time/Timezone	Contains the date and time that each order occurred
Region	Text	Contains the region where each order occurred
TotalAmount	Decimal number	Contains the total cost of each order

The related report displays the weekly sales per region.

You need to minimize the size of Modell.

How should you modify the CustomerID column and the PurchaseDateTime column? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

CustomerID:

▼

- Change the data type to Binary.
- Remove any duplicate values.
- Remove the column.

PurchaseDateTime:

▼

- Change the data type to Duration.
- Remove the column.
- Split the column into separate date and time columns.

Answer:

Explanation:

Answer Area

CustomerID:

▼

Change the data type to Binary.

Remove any duplicate values.

Remove the column.

PurchaseDateTime:

▼

Change the data type to Duration.

Remove the column.

Split the column into separate date and time columns.

NEW QUESTION # 385

You are building a Power BI report that uses data from an Azure SQL database named erp1.

You Import the following tables.

Name	Description
Products	Contains the product catalog.
Orders	Contains high-level information about orders.
Order Line Items	Contains the product ID, quantity, and price details of an order.

You need to perform the following analyses:

* Orders sold over time that include a measure of the total order value

* Orders by attributes of products sold

The solution must minimize update times when interacting with visuals in the report. What should you do first?

- A. From Power Query, merge the Orders query and the Order Line Items query.
- B. Create a calculated column that adds a list of product categories to the Orders table by using a DAX function.
- C. From Power Query, merge the Order Line Items query and the Products query.
- D. Calculate the count of orders per product by using a DAX function.

Answer: C

Explanation:

<https://www.sqlbi.com/articles/header-detail-vs-star-schema-models-in-tabular-and-power-bi/>

NEW QUESTION # 386

You are creating a Microsoft Power BI data model that has the tables shown in the following table.

Table name	Column name
Sales	SalesID
	ProductID
	DateKey
	SalesAmount
Products	ProductID
	ProductName
	ProductCategoryID
ProductCategory	ProductCategoryID
	CategoryName

The Products table is related to the ProductCategory table through the ProductCategoryID column.

You need to ensure that you can analyze sales by product category.

How should you configure the relationships from Products to ProductCategory? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Cardinality: ▼

One-to-many
One-to-one
Many-to-many

Cross-filter direction: ▼

Single
Both

Answer:

Explanation:

Cardinality: ▼

One-to-many
One-to-one
Many-to-many

Cross-filter direction: ▼

Single
Both

Explanation:

Cardinality: ▼

One-to-many
One-to-one
Many-to-many

Cross-filter direction: ▼

Single
Both

Box 1: One-to-many

Box 2: Both

For One-to-many relationships, the cross filter direction is always from the "one" side, and optionally from the "many" side (bi-directional).

Note:

Cardinality type	Cross filter options
One-to-many (or Many-to-one)	Single Both
One-to-one	Both
Many-to-many	Single (Table1 to Table2) Single (Table2 to Table1) Both

Reference:

<https://docs.microsoft.com/en-us/power-bi/transform-model/desktop-relationships-understand>

NEW QUESTION # 387

You have a Power Bi report for the procurement department. The report contains data from the following tables.

Table name	Source	Description	Column name	Approximate record count
Suppliers	Microsoft Dynamics 365	A list of all the suppliers approved for use by the company.	<ul style="list-style-type: none"> ID Name Country 	100,000
LineItems	Microsoft Dynamics 365	All individual purchases made by employees across the company. An average of five line items per invoice.	<ul style="list-style-type: none"> Invoice ID Invoice Date Supplier ID Description Units Price per Unit Discount Price 	1,000,000,000

There is a one-to-many relationship from Suppliers to LineItems that uses the ID and Supplier ID columns. The report contains the visuals shown in the following table.

Name	Used field	Filter
Supplier usage by count and value of invoices	Suppliers[ID] Suppliers[Name] LineItems[Invoice ID] LineItems[Price]	None
Spend by supplier location	Suppliers[Country] LineItems[Price]	None
Top 10 largest invoices last month	LineItems[Invoice ID] LineItems[Price]	LineItems[Invoice Date] in last calendar month

You need to minimize the size of the dataset without affecting the visuals. What should you do?

- A. Remove the LineItems[Description] column.
- B. Remove the rows from LineItems where LineItems[invoice Date] is before the beginning of last month
- C. Group LineItems by LineItems[invoice id] and LineItems[invoice Date] with a sum of LineItems(price).
- D. Merge Suppliers and Uneltems.

Answer: A

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