

PL-300^{Q&As}

Microsoft Power BI Data Analyst

Pass Microsoft PL-300 Exam with 100% Guarantee

Free Download Real Questions & Answers **PDF** and **VCE** file from:

<https://www.certbus.com/pl-300.html>

100% Passing Guarantee
100% Money Back Assurance

Following Questions and Answers are all new published by Microsoft
Official Exam Center

- ⚙️ **Instant Download** After Purchase
- ⚙️ **100% Money Back** Guarantee
- ⚙️ **365 Days** Free Update
- ⚙️ **800,000+** Satisfied Customers



QUESTION 1

DRAG DROP

You build a report about warehouse inventory data. The dataset has more than 10 million product records from 200 warehouses worldwide.

You have a table named Products that contains the columns shown in the following table.

Column Name	Sample data
ProductDescription	Bikes > Mountain Bikes > Adventure Works > Super Carbon Bike > 26in wheels 42in frame
ProductCategory	Bikes
Manufacturer	Adventure Works
ProductSubcategory	Mountain Bikes
ProductSpecification	26in wheels 42in frame

Warehouse managers report that it is difficult to use the report because the report uses only the product name in tables and visuals. The product name is contained within the ProductDescription column and is always the fourth value.

You need to modify the report to support the warehouse managers requirement to explore inventory levels at different levels of the product hierarchy. The solution must minimize the model size.

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

Answer Area

Transform the ProductDescription column to contain only the text between the first and fourth > symbol.

Add the product hierarchy as an extra field in visuals where ProductDescription is used.

Create a product hierarchy of ProductCategory, ProductSubcategory, Manufacturer, ProductName, and ProductSpecifications.

Add a column named ProductName that contains only the text between the third and fourth > symbol in the ProductDescription column.

Create a product hierarchy of Manufacturer, ProductSpecifications, ProductName, ProductSubcategory, and ProductCategory.

Replace the use of ProductDescription in the report with the product hierarchy.

Add a column named ProductName that contains all the text after the third > symbol in the ProductDescription column.



Correct Answer:

Actions

- Transform the ProductDescription column to contain only the text between the first and fourth > symbol.
- Add the product hierarchy as an extra field in visuals where ProductDescription is used.
- Create a product hierarchy of ProductCategory, ProductSubcategory, Manufacturer, ProductName, and ProductSpecifications.
-
-
-
- Add a column named ProductName that contains all the text after the third > symbol in the ProductDescription column.



Answer Area

- Add a column named ProductName that contains only the text between the third and fourth > symbol in the ProductDescription column.
- Create a product hierarchy of Manufacturer, ProductSpecifications, ProductName, ProductSubcategory, and ProductCategory.
- Replace the use of ProductDescription in the report with the product hierarchy.

Power BI Desktop supports the use of inline hierarchy labels. With inline hierarchy labels, you can see hierarchy labels as you expand visuals using the Expand All feature.

Reference: <https://docs.microsoft.com/en-us/power-bi/create-reports/desktop-inline-hierarchy-labels>

QUESTION 2

HOTSPOT

Your company has affiliates who help the company acquire customers.

You build a report for the affiliate managers at the company to assist them in understanding affiliate performance.

The managers request a visual showing the total sales value of the latest 50 transactions for each affiliate. You have a data model that contains the following tables.

Table name	Column name
Transactions	TransactionDate
	ItemsOrdered
	Amount
	TransactionID
Affiliate	AffiliateID
	Name

You need to develop a measure to support the visual.

How should you complete the DAX expression? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Revenue Last 50 Transactions =

▼ (

 CALCULATE

 CONCATENATEX

 SUM

 SUMX

 TOPN

▼ (Transactions[Amount]),

 CALCULATE

 CONCATENATEX

 SUM

 SUMX

 TOPN

▼ (50, Transactions, Transactions

 CALCULATE

 CONCATENATEX

 SUM

 SUMX

 TOPN

▼

 TransactionID]

 [Amount],

 [ItemsOrdered],

 [TransactionDate],

DESC)

)

Correct Answer:

Revenue Last 50 Transactions =

▼	(
CALCULATE	
CONCATENATEX	
SUM	
SUMX	
TOPN	

▼	(Transactions[Amount]),
CALCULATE	
CONCATENATEX	
SUM	
SUMX	
TOPN	

▼	(50, Transactions, Transactions
CALCULATE	
CONCATENATEX	
SUM	
SUMX	
TOPN	

▼	TransactionID]
[Amount],	
[ItemsOrdered],	
[TransactionDate],	

DESC)

)

Box 1: CALCULATE

Start with CALCULATE and use a SUMX.

CALCULATE evaluates an expression in a modified filter context.

Box 2: SUM

Box 3: TOPN

TOPN returns the top N rows of the specified table.

Box 4: [TransactionDate]

TOPN Syntax: TOPN(, , [[, , []]...])

The orderBy_expression: Any DAX expression where the result value is used to sort the table and it is evaluated for each row of table.

Reference:

<https://docs.microsoft.com/en-us/dax/topn-function-dax>

QUESTION 3

DRAG DROP

You are preparing a financial report in Power BI.

You connect to the data stored in a Microsoft Excel spreadsheet by using Power Query Editor as shown in the following exhibit.

	Column1	1.2 Column2	1.2 Column3	1.2 Column4	1.2 Column5	1.2 Column6
1	Measure	2016	2017	2018	2019	2020
2	Revenue	0.5	0.6	0.55	0.61	0.42
3	Overheads	0.11	0.330410907	0.167055779	0.360178153	0.183179995
4	Cost of Goods	0.204388253	0.165848321	0.25	0.17	0.109073918

You need to prepare the data to support the following:

- Visualizations that include all measures in the data over time
- Year-over-year calculations for all the measures

Which four 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		Answer Area
Rename the Attribute column as Year		
Rename the Measure column as Year		
Use the first row as headers	➤	⬆
Use headers as the first row	⬅	⬇
Unpivot all the columns other than Measure		
Transpose the table		
Change the data type of the Year column to Date		

Correct Answer:

Actions

Rename the Measure column as Year

Use headers as the first row

Transpose the table

Answer Area

Use the first row as headers

Unpivot all the columns other than Measure

Rename the Attribute column as Year

Change the data type of the Year column to Date

1.
Use first row as header
2.
Unpivot all columns other than "Measure"
3.
Rename "Attribute" to "Year"
4.
Change data type of "Year" to date (Date > Year)

Reference: <https://support.microsoft.com/en-us/office/unpivot-columns-power-query-0f7bad4b-9ea1-49c1-9d95-f588221c7098>

QUESTION 4

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 scenario, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have several reports and dashboards in a workspace.

You need to grant all organizational users read access to a dashboard and several reports.

Solution: You enable included in app for all assets.

Does this meet the goal?

A. Yes

B. No

Correct Answer: B

QUESTION 5

You need to minimize the size of the dataset. The solution must meet the report requirements. What should you do?

A. Change the OrderID column in the Orders table to the text data type.

B. Filter out discontinued products while importing the Product table.

C. Remove the QuantityPerUnit column from the Products table.

D. Group the Categories table by the CategoryID column.

Correct Answer: D

QUESTION 6

You have five reports and two dashboards in a workspace.

You need to grant all organizational users read access to one dashboard and three reports.

Solution: In Microsoft Azure Active Directory (Azure AD), part of Microsoft Entra, you create a group that contains all the users. You share each selected report and the one dashboard to the group.

Does this meet the goal?

A. Yes

B. No

Correct Answer: B

QUESTION 7

You need to provide a user with the ability to add members to a workspace. The solution must use the principle of least privilege. Which role should you assign to the user?

A. Viewer

- B. Contributor
- C. Member
- D. Admin

Correct Answer: C

Member role allows adding members or other with lower permissions to the workspace.

Workspace roles

Capability	Admin	Member	Contributor	Viewer
Update and delete the workspace.	✓			
Add/remove people, including other admins.	✓			
Allow Contributors to update the app for the workspace	✓			
Add members or others with lower permissions.	✓	✓		

Reference: <https://docs.microsoft.com/en-us/power-bi/collaborate-share/service-roles-new-workspaces>

QUESTION 8

You have a Microsoft Power BI report. The size of PBIX file is 550 MB. The report is accessed by using an App workspace in shared capacity of powerbi.com.

The report uses an imported dataset that contains one fact table. The fact table contains 12 million rows. The dataset is scheduled to refresh twice a day at 08:00 and 17:00.

The report is a single page that contains 15 custom visuals and 10 default visuals.

Users say that the report is slow to load the visuals when they access and interact with the report

You need to recommend a solution to improve the performance of the report.

What should you recommend?

- A. Replace the default visuals with AppSource visuals.
- B. Change any DAX measures to use iterator functions.
- C. Remove unused columns from tables in the data model.
- D. Increase the number of times that the dataset is refreshed

Correct Answer: C

DirectQuery: No data is imported or copied into Power BI Desktop. Import: The selected tables and columns are imported into Power BI Desktop. As you create or interact with a visualization, Power BI Desktop uses the imported data.

Benefits of using DirectQuery

There are a few benefits to using DirectQuery:

DirectQuery lets you build visualizations over very large datasets, where it would otherwise be unfeasible to first import all the data with pre-aggregation. Underlying data changes can require a refresh of data. For some reports, the need to display current data can require large data transfers, making reimporting data unfeasible. By contrast, DirectQuery reports always use current data.

The 1-GB dataset limitation doesn't apply to DirectQuery.

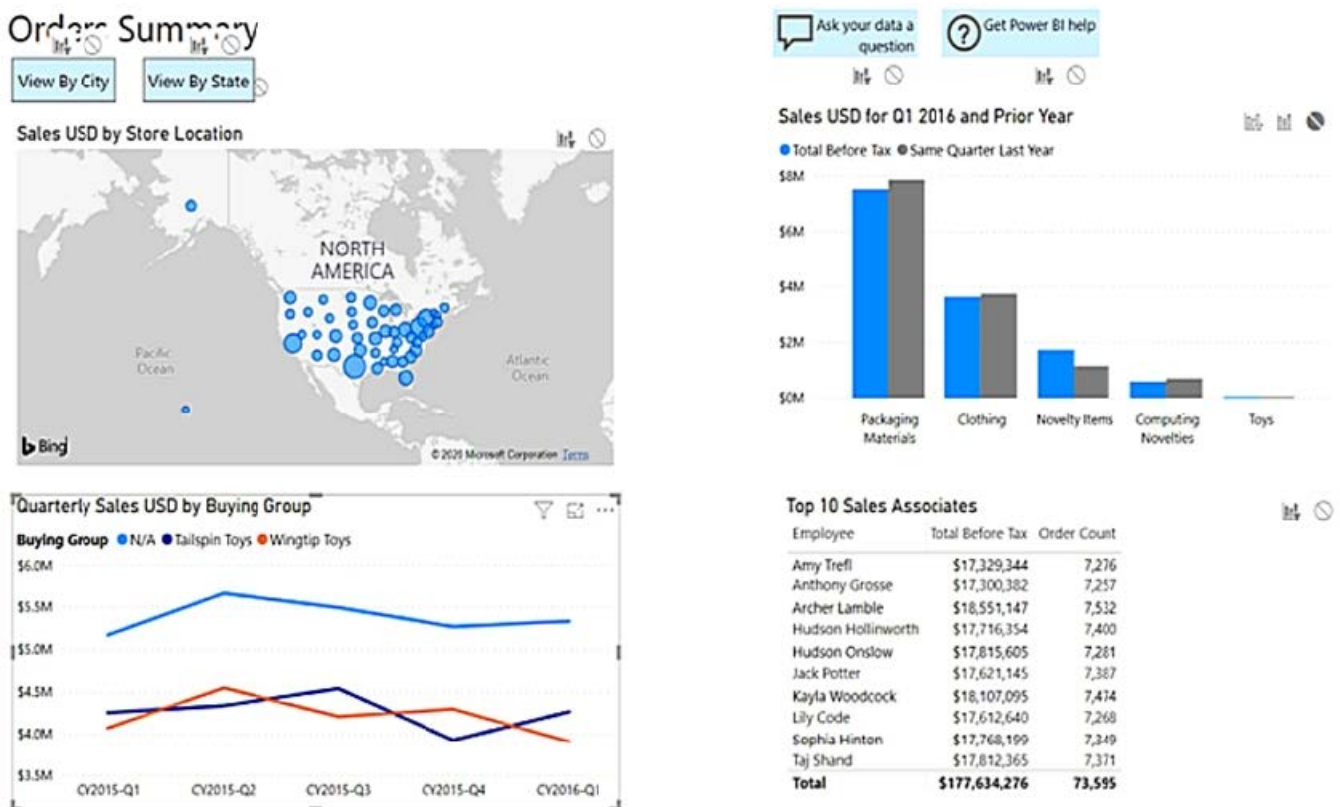
Reference:

<https://docs.microsoft.com/en-us/power-bi/connect-data/desktop-use-directquery>

QUESTION 9

HOTSPOT

You have a report page that contains the visuals shown in the following exhibit.



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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Selecting a quarter on the line chart will **[answer choice]** the clustered column chart.

	▼
cross-filter	
cross-highlight	
not affect	

Selecting a data point on the Tailspin Toys line on the line chart will **[answer choice]** the map.

	▼
cross-filter	
cross-highlight	
not affect	

Correct Answer:

Answer Area

Selecting a quarter on the line chart will **[answer choice]** the clustered column chart.

	▼
cross-filter	
cross-highlight	
not affect	

Selecting a data point on the Tailspin Toys line on the line chart will **[answer choice]** the map.

	▼
cross-filter	
cross-highlight	
not affect	

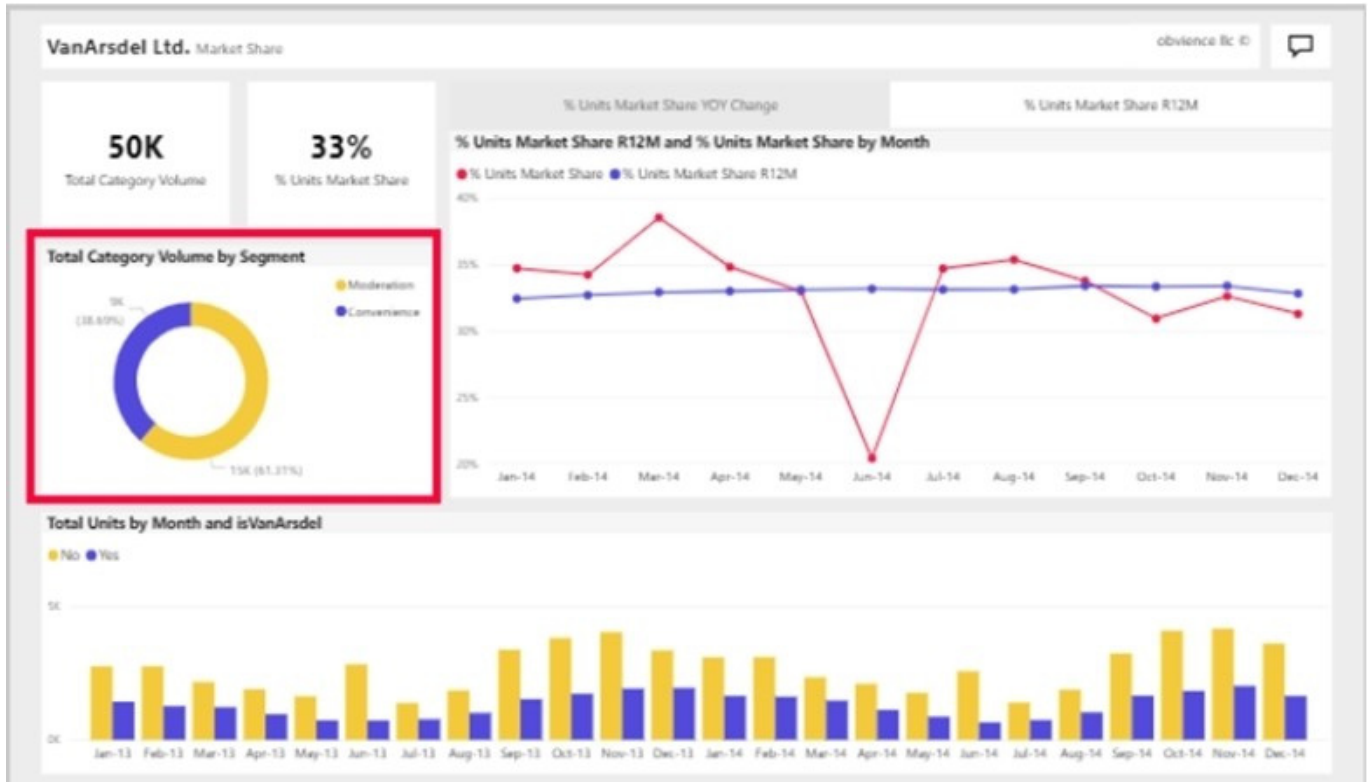
Box 1: cross-filter

By default, selecting a data point in one visual on a report page will cross-filter or cross-highlight the other visuals on the page.

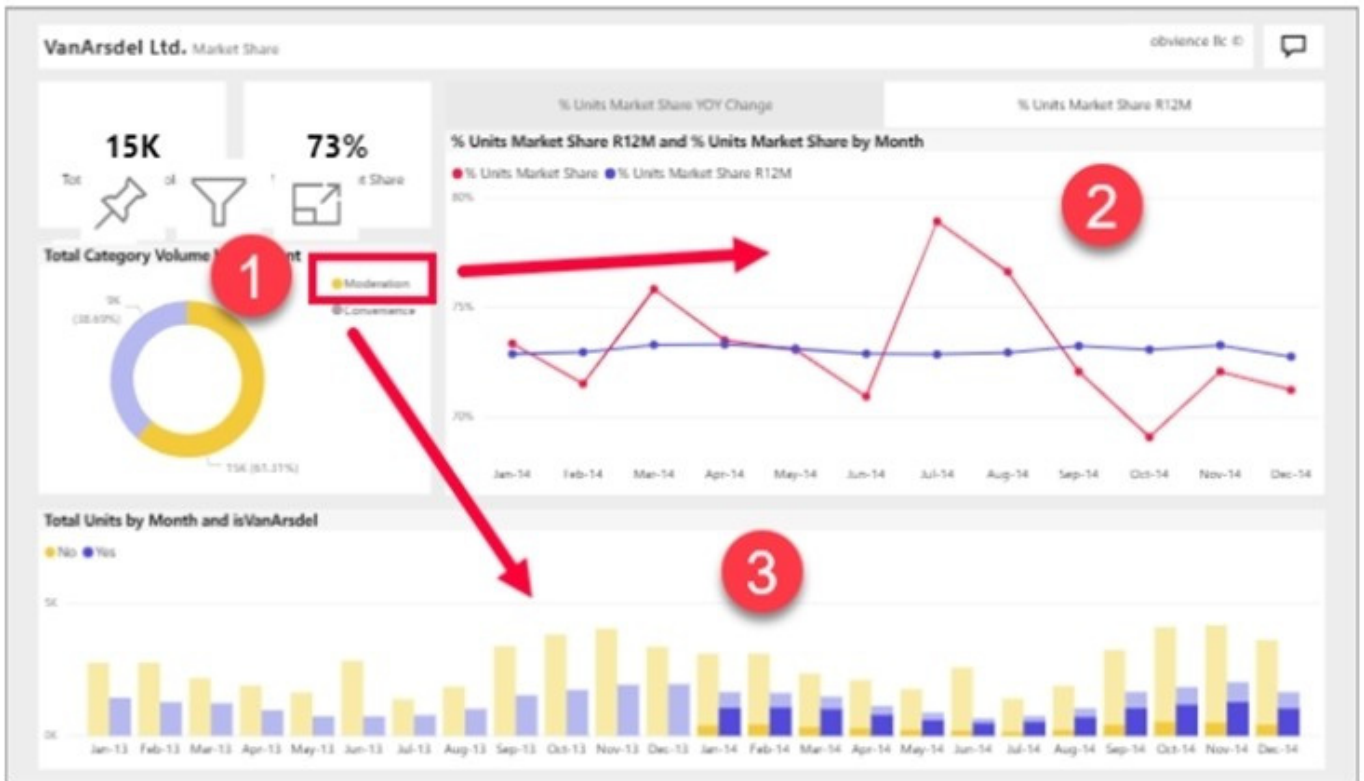
Box 2: cross-highlight

Example:

By default, selecting a data point in one visual on a report page will cross-filter or cross-highlight the other visuals on the page.



- Let's see what happens when we select Moderation.
- Cross-filtering removes data that doesn't apply. Selecting Moderation in the doughnut chart cross-filters the line chart. The line chart now only displays data points for the Moderation segment.
- Cross-highlighting retains all the original data points but dims the portion that does not apply to your selection. Selecting Moderation in the doughnut chart cross-highlights the column chart. The column chart dims all the data that applies to the Convenience segment and highlights all the data that applies to the Moderation segment.



QUESTION 10

You create a report by using Microsoft Power BI Desktop.

The report uses data from a Microsoft SQL Server Analysis Services (SSAS) cube located on your company's internal network.

You plan to publish the report to the Power BI Service.

What should you implement to ensure that users who consume the report from the Power BI Service have the most up-to-date data from the cube?

- A. a subscription
- B. a scheduled refresh of the dataset
- C. an OData feed
- D. an On-premises data gateway

Correct Answer: D

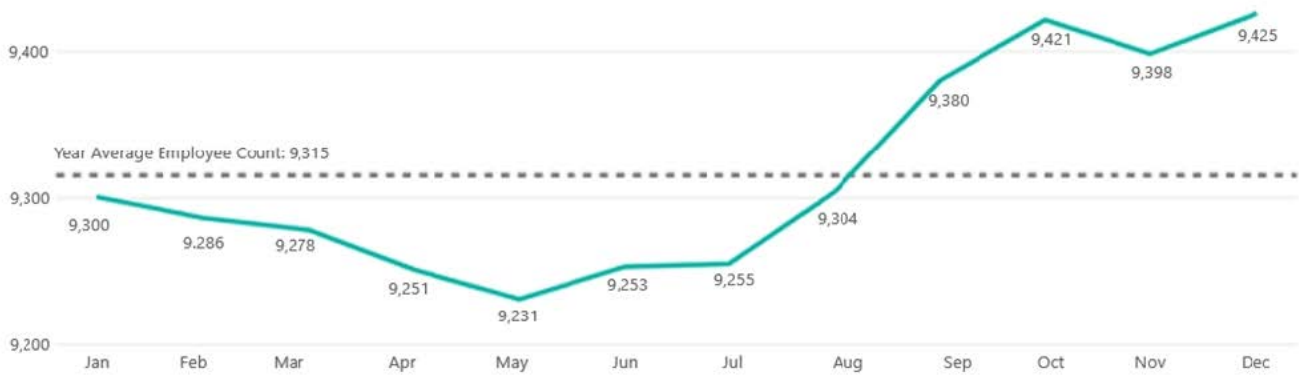
When you've created dynamic reports in Power BI Desktop, you can share them by publishing to your Power BI site. When you publish a Power BI Desktop file with a live connection to a tabular model to your Power BI site, an on-premises data gateway must be installed and configured by an administrator.

QUESTION 11

HOTSPOT

You are creating a line chart in a Power BI report as shown in the following exhibit.

Prior Year Employee Count By Month



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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

The dashed line representing the Year Average Employee Count was created by using [answer choice]

	▼
a trend line	
a secondary axis	
an average reference line	
two measures in the Values bucket	

To enable users to drill down to weeks or days, add the Weeks and Days field to the [answer choice] bucket.

	▼
Axis	
Values	
Legend	
Secondary values	

Correct Answer:

Answer Area

The dashed line representing the Year Average Employee Count was created by using [answer choice]

- a trend line
- a secondary axis
- an average reference line
- two measures in the Values bucket

To enable users to drill down to weeks or days, add the Weeks and Days field to the [answer choice] bucket.

- Axis
- Values
- Legend
- Secondary values

Reference: <https://docs.microsoft.com/en-us/power-bi/transform-model/desktop-analytics-pane>
<https://sqldusty.com/2015/10/14/drill-down-with-power-bi-visualizations/>

QUESTION 12

HOTSPOT

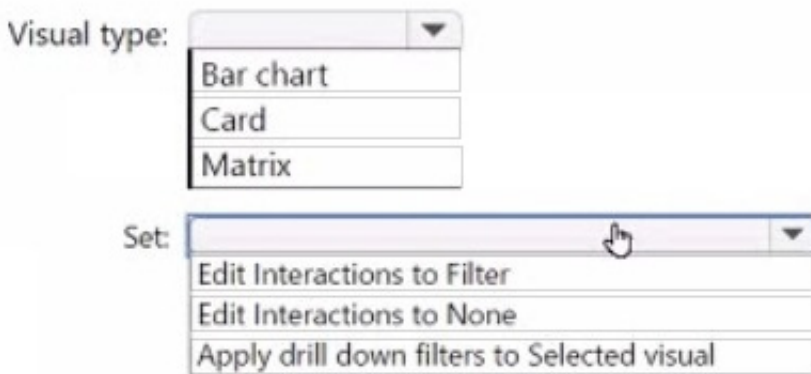
You have a Power BI report that contains a page. The page contains the following visuals:

- A card
- A matrix
- A bar chart

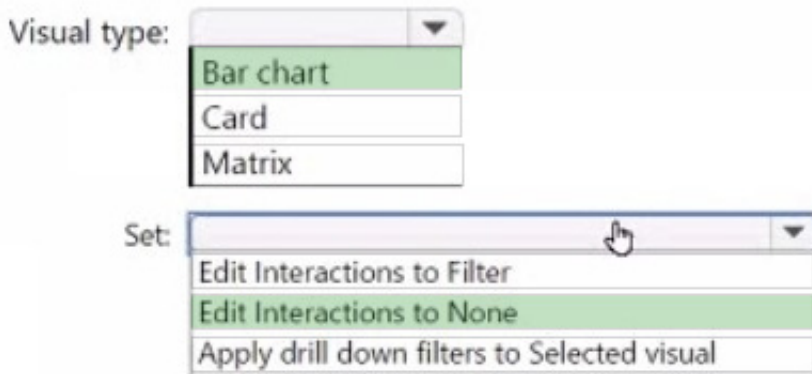
You need to configure the page to ensure that the card and the bar chart are unaffected when a user drills down in the matrix. The card and the bar chart must change when a user selects a cell in the matrix.

What should you configure? To answer, select the appropriate options in the answer area.

Hot Area:



Correct Answer:



QUESTION 13

You have a line chart that shows the number of employees in a department over time. You need to see the total salary costs of the employees when you hover over a data point. What is possible way to achieve this goal?

- A. Add a salary to the tooltips.
- B. Add a salary to the visual filters.
- C. Add salary to the drillthrough fields.

Correct Answer: A

Reference: <https://docs.microsoft.com/en-us/power-bi/create-reports/desktop-custom-tooltips>
<https://technovids.com/power-bi-filters/>

QUESTION 14

DRAG DROP

In Power Query Editor, you have three queries named ProductCategory, ProductSubCategory, and Product.

Every Product has a ProductSubCategory.

Not every ProductSubCategory has a parent ProductCategory.

You need to merge the three queries into a single query. The solution must ensure the best performance in Power Query.

How should you merge the tables? To answer, drag the appropriate merge types to the correct queries. Each merge type 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:

Join kinds	Answer Area		
	Left Table	Right Table	Join Kind
Full outer			
Inner	Product	ProductSubCategory	Join kind
Left anti	ProductSubCategory	ProductCategory	Join kind
Left outer			
Right anti			
Right outer			

Correct Answer:

Join kinds	Answer Area		
	Left Table	Right Table	Join Kind
Full outer			
	Product	ProductSubCategory	Inner
Left anti	ProductSubCategory	ProductCategory	Left outer
Right anti			
Right outer			

QUESTION 15

HOTSPOT

You need to create a relationship in the dataset for RLS.

What should you do? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Create a

▼
one-to-one
one-to-many
many-to-one
many-to-many

 relationship between the Sales Employees table and the

▼
Orders table
Suppliers table
Order Details table
Customer Details worksheet

Correct Answer:

Answer Area

Create a

▼
one-to-one
one-to-many
many-to-one
many-to-many

 relationship between the Sales Employees table and the

▼
Orders table
Suppliers table
Order Details table
Customer Details worksheet

Box 1: many-to-one

Each employee in the Sales Employees table is assigned to one sales region. Multiple employees can be assigned to each region.

The Suppliers table has a Region column.

Box 2: Suppliers table

[Latest PL-300 Dumps](#)

[PL-300 PDF Dumps](#)

[PL-300 Study Guide](#)