

Microsoft

Exam Questions PL-300

Microsoft Power BI Data Analyst



NEW QUESTION 1

- (Topic 2)

You need to recommend a strategy to consistently define the business unit, department, and product category data and make the data usable across reports. What should you recommend?

- A. Create a shared dataset for each standardized entity.
- B. Create dataflows for the standardized data and make the dataflows available for use in all imported datasets.
- C. For every report, create and use a single shared dataset that contains the standardized data.
- D. For the three entities, create exports of the data from the Power BI model to Excel and store the data in Microsoft OneDrive for others to use as a source.

Answer: B

NEW QUESTION 2

HOTSPOT - (Topic 2)

How should you distribute the reports to the board? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Grant access by:

- Sharing individual reports
- Using a workspace membership
- Using an app

Grant access to:

- A dynamic distribution list
- A mail-enabled security group
- Individual user emails

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Using a workspace membership Scenario:

The company wants to provide a single package of reports to the board that contains custom navigation and links to supplementary information.

Note: Workspace is a shared environment for a group of people. You can have multiple Power BI content in a workspace. One workspace can have hundreds of dashboards, reports, and datasets in it.

Box 2: A mail-enabled security group Scenario: Security Requirements

The reports must be made available to the board from powerbi.com. A mail-enabled security group will be used to share information with the board.

NEW QUESTION 3

- (Topic 2)

Which DAX expression should you use to get the ending balances in the balance sheet reports?

- A. CALCULATE (SUM(BalanceSheet [BalanceAmount]), DATESQTD('Date'[Date]))
- B. CALCULATE (SUM(BalanceSheet [BalanceAmount]), LASTDATE('Date'[Date]))
- C. FIRSTNONBLANK ('Date' [Date]SUM(BalanceSheet[BalanceAmount]))
- D. CALCULATE (MAX(BalanceSheet[BalanceAmount]), LASTDATE('Date' [Date]))

Answer: A

Explanation:

Scenario: At least one of the balance sheet reports in the quarterly reporting package must show the ending balances for the quarter, as well as for the previous quarter.

DATESQTD returns a table that contains a column of the dates for the quarter to date, in the current context.

Reference:

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

NEW QUESTION 4

- (Topic 2)

Which two types of visualizations can be used in the balance sheet reports to meet the reporting goals? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. a line chart that shows balances by quarter filtered to account categories that are long- term liabilities.
- B. a clustered column chart that shows balances by date (x-axis) and account category (legend) without filters.
- C. a clustered column chart that shows balances by quarter filtered to account categories that are long-term liabilities.
- D. a pie chart that shows balances by account category without filters.
- E. a ribbon chart that shows balances by quarter and accounts in the legend.

Answer: AE

Explanation:

<https://docs.microsoft.com/en-us/power-bi/visuals/power-bi-visualization-types-for-reports-and-q-and-a>

NEW QUESTION 5

HOTSPOT - (Topic 3)

You need to create the Top Customers report.

Which type of filter should you use, and at which level should you apply the filter? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Filter type:

	▼
Top N	
Basic	
Advanced	

Level:

	▼
Page	
Visual	
Report	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Top N

Scenario: The Top Customers report will show the top 20 customers based on the highest sales amounts in a selected order month or quarter, product category, and sales region.

Once you drag to SKU to Visual level filter you should get Top N option Note: The two most common filter types: automatic and manual.

Then there are more advanced filters.

Box 2: Visual

Once you drag to SKU to Visual level filter you should get Top N option.

NEW QUESTION 6

- (Topic 3)

You need to create the On-Time Shipping report. The report must include a visualization that shows the percentage of late orders.

Which type of visualization should you create?

- A. bar chart
- B. scatterplot
- C. pie chart

Answer: A

Explanation:

Scenario: The On-Time Shipping report will show the following metrics for a selected shipping month or quarter:

The percentage of orders that were shipped late by country and shipping region

Customers that had multiple late shipments during the last quarter

Note: Bar and column charts are some of the most widely used visualization charts in Power BI. They can be used for one or multiple categories. Both these chart types represent data with rectangular bars, where the size of the bar is proportional to the magnitude of data values.

The difference between the two is that if the rectangles are stacked horizontally, it is called a bar chart. If the rectangles are vertically aligned, it is called a column chart.

Reference:

<https://www.pluralsight.com/guides/bar-and-column-charts-in-power-bi>

NEW QUESTION 7

- (Topic 3)

You need to configure access for the sales department users. The solution must me meet the security requirements. What should you do?

- A. Add the sales department as a member of the reports workspace
- B. Add the Azure Active Directory group of the sales department as an Admin of the reports workspace.
- C. Distribute an app to the users in the Azure Active Directory group of the sales department.
- D. Share each report to the Azure Active Directory group of the sales department.

Answer: B

NEW QUESTION 8

- (Topic 3)

You need to create the dataset. Which dataset mode should you use?

- A. DirectQuery
- B. Import
- C. Live connection
- D. Composite

Answer: D

Explanation:

Composite Model means now you can have a model, that very large tables of that are coming from the DirectQuery connection, without the need for importing, and small tables to be imported to be accessible quickly.

NEW QUESTION 9

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

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

Answer: B

NEW QUESTION 10

- (Topic 4)

You have a Power BI report

You have a table named Dalai that contains 10 million rows. Data is used in the following visuals:

- A card that shows the number of records
- A bar chart that snows total transaction amount by territory
- A scatter plot that shows transaction amount and profit amount on the axes and points colored by territory

You need to modify the scatter plot to make it easier for users to identify meaningful patterns. The solution must not affect the accuracy of the other visuals-What should you do?

- A. Apply a row filter to the Dalai query in Power Query Editor.
- B. Add a trend line to the scatter plot
- C. Enable high-density sampling on the scatter plot
- D. Add a count field of the transaction amount to the size bucket of the scatter plot

Answer: B

NEW QUESTION 10

HOTSPOT - (Topic 4)

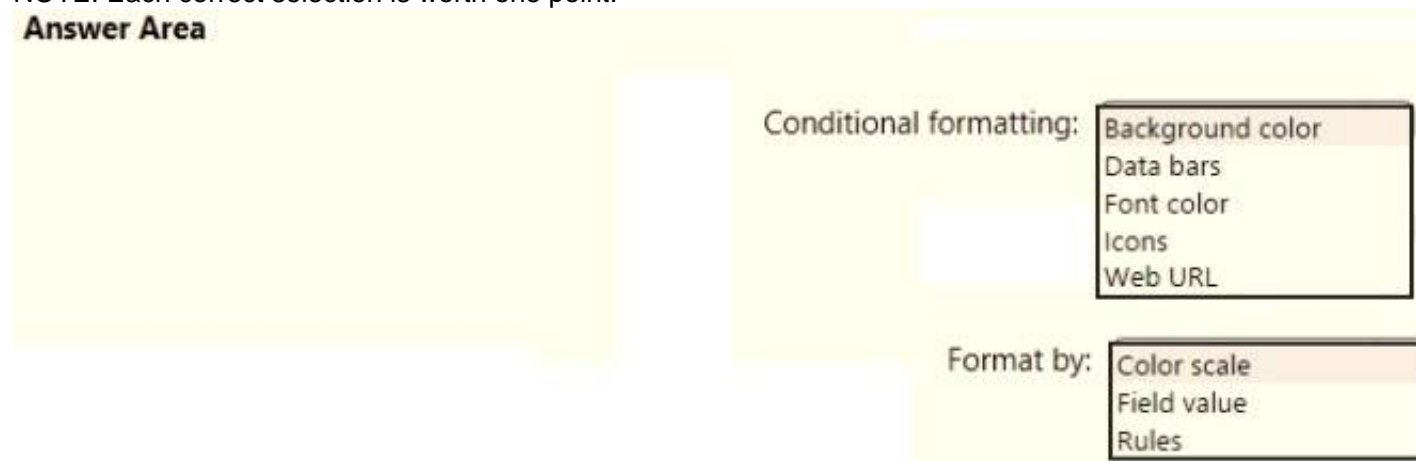
You need to create a visual as shown in the following exhibit.

MonthName	Total Sales	Sales Last Year	% Growth to Last Year
January	£559,263.79	£144,365.51	74.19%
February	£583,915.29	£215,923.28	63.02%
March	£684,091.92	£211,347.46	69.11%
April	£957,686.49	£350,270.97	63.43%
May	£841,473.26	£310,708.65	63.08%
June	£876,911.71	£298,356.83	65.98%
July	£922,410.09	£348,435.28	62.23%
August	£1,002,219.24	£388,213.68	61.26%
September	£1,152,976.22	£407,595.76	64.65%
October	£1,262,647.67	£465,583.06	63.13%
November	£555,548.44	£555,548.44	0.00%
December	£553,615.45	£553,615.45	0.00%
Total	£9,952,759.56	£4,249,964.36	57.30%

The indicator color for Total Sales will be based on % Growth to Last Year. The solution must use the existing calculations only. How should you configure the visual? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Background color

To format the Color column based on its field values, select Conditional formatting for the Color field, and then select Background color or Font color. In the Background color or Font color dialog box, select Field value from the Format by drop-down field.

Box 2: Field value

With conditional formatting for tables in Power BI Desktop, you can specify customized cell colors, including color gradients, based on field values.

NEW QUESTION 14

- (Topic 4)

You are creating a Power BI report by using Power Bi Desktop.

You need to include a visual that shows trends and other useful information automatically. The visual must update based on selections in other visuals. Which type of visual should you use?

- A. key influencers
- B. decomposition tree
- C. Q&A
- D. smart narrative

Answer: D

NEW QUESTION 16

- (Topic 4)

You have the Power BI model shown in the following exhibit.



There are four departments in the Departments table.

You need to ensure that users can see the data of their respective department only. What should you do?

- A. Create a row-level security (RLS) role for each department, and then define the membership of the role.
- B. Create a DepartmentID parameter to filter the Departments table.
- C. To the ConfidentialData table, add a calculated measure that uses the currentgroup DAX function.
- D. Create a slicer that filters Departments based on DepartmentID.

Answer: A

NEW QUESTION 19

FILL IN THE BLANK - (Topic 4)

You have the Power Bi dashboard shown in the Dashboard exhibit (Click the Dashboard tab.)

You need to ensure that when users view the dashboard on a mobile device, the dashboard appears as shown in the Mobile exhibit. (Click the Mobile tab.)

What should you do? To answer, select the appropriate options m the answer area NOTE: Each correct selection is worth one point.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer as selected

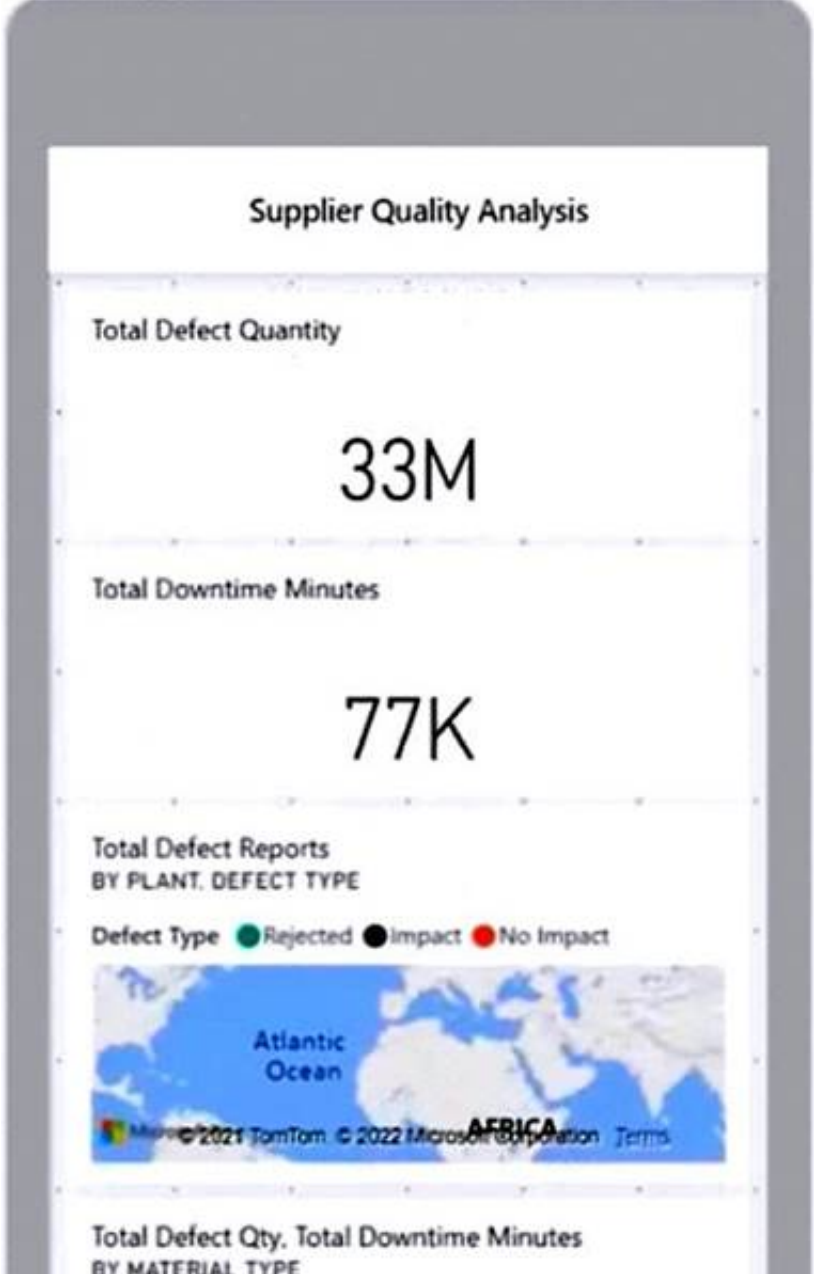


NEW QUESTION 24

- (Topic 4)

You maintain a Power BI workspace that contains a supplier quality dashboard. The dashboard contains 10 card visuals, two map visuals and five bar chart visuals.

The dashboard mobile layout is shown in the exhibit. (Click the Exhibit tab.)



You need to modify the dashboard mobile layout to meet the following requirements:

- Only show single-value visuals.
- Minimize scrolling.

What should you do?

- A. Remove the card visual, increase the size of the map and bar chart visuals
- B. Decrease the size of the map and bar chart visuals Move all the card visuals to the top of the layout.
- C. Move the bar chart visuals to the top of the layout Remove the map visual
- D. Decrease the size of the card visuals.
- E. Decrease the size of the card visual
- F. Remove the map and bar chart visuals.

Answer: D

NEW QUESTION 28

HOTSPOT - (Topic 4)

You are creating an analytics report that will consume data from the tables shown in the following table.

Table name	Column name	Data type
Sales	sales_id	Integer
	sales_date	Datetime
	Customer_id	Integer
	sales_amount	Floating
	employee_id	Integer
	sales_ship_date	Datetime
	store_id	Varchar(100)
Employee	employee_id	Integer
	first_name	Varchar(100)
	last_name	Varchar(100)
	employee_photo	Binary

There is a relationship between the tables.

There are no reporting requirements on employeejd and employee_photo. You need to optimize the data model

What should you configure for employeejd and employee.photo? To answer, select the appropriate options in the answer area.

Answer Area

Employee_id:

Employee_photo:

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Hide

Optimize data by hiding fields and sorting visualization data

Box 2: Delete

The fastest way to optimize your Power BI report is to limit the number of columns to only the ones you need in your data model. Go through your tables in Power Query and determine what fields are being used. Delete these columns if they are not being used in any of your reports or calculations.

NEW QUESTION 31

HOTSPOT - (Topic 4)


You have a table that contains a column named Phone. The following is a sample of the data in the Phone column.

436-555-0160
385-555-0140
452-555-0179
290-555-0196
1 (11) 500 555-0122
128-555-0148
819-555-0186
996-555-0192
138-555-0156
556-555-0192

You need to add a new column that contains the data in the format of nnn-nnn-nnnn. How should you complete the Query Editor formula? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

▼
Insert
Remove
Replace
ReplaceRange

(Text. 

At
End
Middle
Range

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

References:

<https://docs.microsoft.com/en-us/powerquery-m/text-replace> <https://docs.microsoft.com/en-us/powerquery-m/text-end>

NEW QUESTION 33

- (Topic 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 a clustered bar chart that contains a measure named Salary as the value and a field named Employee as the axis. Salary is present in the data as numerical amount representing US dollars.

You need to create a reference line to show which employees are above the median salary.

Solution: You create an average line by using the Salary measure. Does this meet the goal?

- A. Yes
B. No

Answer: B

Explanation:

Instead create a percentile line by using the Salary measure and set the percentile to 50%. Note: The 50th percentile is also known as the median or middle value where 50 percent of observations fall below.

Reference:

https://dash-intel.com/powerbi/statistical_functions_percentile.php

NEW QUESTION 37

DRAG DROP - (Topic 4)

You are building a dataset from a JSON file that contains an array of documents.

You need to import attributes as columns from all the documents in the JSON file. The solution must ensure that date attributes can be used as date hierarchies in Microsoft Power BI reports.

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.

Actions

Answer Area

Expand the columns.

Expand the records.

Add columns that use data type conversions.

Set the data types.

Convert the list to a table.

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

1- Convert list to table 2- Expand Column

3- Set Date type

Here is an example: <https://youtu.be/B4kzyxnhQfl>

The definition of the function which expand columns: <https://docs.microsoft.com/en-us/powerquery-m/table-expandrecordcolumn>

NEW QUESTION 38

HOTSPOT - (Topic 4)

You need to create a Power BI report. The first page or the report must contain the following two views:

* Sales By Postal Code

* Sales by Month

Both views must display a slicer to select a value for a field named Chain.

The Sales By Postal Code view must display a map visual as shown in the following exhibit.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 43

- (Topic 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.

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You create a parameter named DataSourceExcel that holds the file name and location of a Microsoft Excel data source.

You need to update the query to reference the parameter instead of multiple hard-coded copies of the location within each query definition.

Solution: You modify the source step of the queries to use DataSourceExcel as the file path.

Does this meet the goal?

- A. Yes
- B. No

Answer: A

Explanation:

Parameterising a Data Source could be used in many different use cases. From connecting to different data sources defined in Query Parameters to load different combinations of columns.

Reference:

<https://www.biinsight.com/power-bi-desktop-query-parameters-part-1/>

NEW QUESTION 48

- (Topic 4)

You have data in a Microsoft Excel worksheet as shown in the following table.

	A	B	C
1	SKU	price	discount
2	P00001	100	0.08
3	P00002	150	0.03
4	P00003	130	#DIV/0!
5	P00004	200	0.06
6	P00005	80	#NAME?
7	P00006	350	#N/A
8	P00007	100	#NULL!
9	P00008	200	0.05
10	P00009	135	#NUM!
11	P00010	90	#REF!
12	P00011	120	#VALUE!

You need to use Power Query to clean and transform the dataset. The solution must meet the following requirements:

- If the discount column returns an error, a discount of 0.05 must be used.
- All the rows of data must be maintained.
- Administrative effort must be minimized. What should you do in Power Query Editor?

- A. Select Keep Errors
- B. Edit the query in the Query Errors group.
- C. Select Replace Errors
- D. Select Remove Errors.

Answer: C

NEW QUESTION 50

- (Topic 4)

Your company has training videos that are published to Microsoft Stream. You need to surface the videos directly in a Microsoft Power BI dashboard. Which type of tile should you add?

- A. video
- B. custom streaming data
- C. text box
- D. web content

Answer: D

Explanation:

<https://docs.microsoft.com/en-us/stream/portal-embed-video> <https://docs.microsoft.com/en-us/power-bi/create-reports/service-dashboard-add-widget#add-web-content>

NEW QUESTION 55

- (Topic 4)

You have a Power BI report that uses a dataset based on an Azure Analysis Services live connection.

You need to ensure that users can use Q&A from the Power BI service for the dataset. What should you do?

- A. From the Power BI service, add an enterprise gateway to the dataset.
- B. From Power BI Desktop, add synonyms and suggested questions.
- C. From Power BI Desktop, add a Q&A visual to the report.
- D. From the Power Bi service, select Turn on Q& A for this dataset.

Answer: D

NEW QUESTION 56

- (Topic 4)

You have a Microsoft Power BI dashboard.

You need to ensure that consumers of the dashboard can give you feedback that will be visible to the other consumers of the dashboard.

What should you use?

- A. Feedback
- B. Subscribe
- C. Comments
- D. Mark as favorite

Answer: C

Explanation:

<https://docs.microsoft.com/en-us/power-bi/consumer/end-user-comment>

NEW QUESTION 59

HOTSPOT - (Topic 4)

You have a folder of monthly transaction extracts.

You plan to create a report to analyze the transaction data.

You receive the following email message: "Hi. I've put 24 files of monthly transaction data onto the shared drive. File Transactions201901.csv through Transactions201912.csv have the latest set of columns, but files Transactions201801.csv to Transactions201812.csv have an older layout without the extra fields needed for analysis. Each file contains 10 to 50 transactions."

You get data from the folder and select Combine & Load. The Combine Files dialog box is shown in the exhibit. (Click the Exhibit tab.)

Combine Files

Specify the settings for each file. [Learn more](#)

Sample File: First file

File Origin

1252: Western European (Windows)

Delimiter

Comma

Data Type Detection

Based on entire dataset

ID	Date	CustomerID	Amount
1	01/01/2018 08:00:00	5	28.99
2	01/01/2018 18:00:00	10	31.88
3	02/01/2018 08:00:00	15	22.99
4	02/01/2018 18:00:00	25	14.25
5	03/01/2018 08:00:00	35	85
6	03/01/2018 18:00:00	45	47.74
7	04/01/2018 08:00:00	55	76.66
8	04/01/2018 18:00:00	51	99.99
9	05/01/2018 08:00:00	52	10.99
10	05/01/2018 18:00:00	58	85

☒ Skip files with errors

OK Cancel

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Answer Area

Statements	Yes	No
The resulting query will contain all the columns from the 2018 transactions.	<input type="radio"/>	<input type="radio"/>
The resulting query will contain all the columns from the 2019 transactions.	<input type="radio"/>	<input type="radio"/>
Setting Data Type Detection to Based on first 200 rows will improve import times.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Graphical user interface, text, application

Description automatically generated

Box 1: Yes

The four columns used in the 2018 transactions are already displayed.

Box 2: Yes

The columns used are based on the entire dataset. The additional columns in the 2019 files will be detected.

Box 3: Yes

Note: Under the hood, Power BI will automatically detect which delimiter to use, and may even promote the first row as headers. You can manually change the delimiter, or define how Power BI should handle data types. You can set it to automatically detect data types based on first 200 rows, or the entire dataset or you can even opt out the detection of data types.

NEW QUESTION 61

- (Topic 4)

You have a Microsoft Excel file on a file server.

You create a Power BI report and import a table from the Excel file. You publish the report.

You need to ensure that the data refreshes every four hours. What should you do first?

- A. Upload the Excel file to a Power BI workspace.
- B. Create a subscription to the report.
- C. Deploy an on-premises data gateway.
- D. Edit the data source credentials.

Answer: C

NEW QUESTION 62

- (Topic 4)

You are reviewing a query that produces 10,000 rows in the Power Query Editor. You need to identify whether a column contains only unique values.

Which two Data Preview options can you use? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. Column profile
- B. Column distribution
- C. Show whitespace
- D. Column quality
- E. Monospace

Answer: AB

Explanation:

B: Column distribution: This feature provides a set of visuals underneath the names of the columns that showcase the frequency and distribution of the values in each of the columns. The data in these visualizations is sorted in descending order from the value with the highest frequency.

By hovering over the distribution data in any of the columns, you get information about the overall data in the column (with distinct count and unique values).

A: Column profile: This feature provides a more in-depth look at the data in a column [compared to column distribution]. Apart from the column distribution chart, it contains a column statistics chart.

Reference:

<https://docs.microsoft.com/en-us/power-query/data-profiling-tools>

NEW QUESTION 65

- (Topic 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.

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You have a clustered bar chart that contains a measure named Salary as the value and a field named Employee as the axis. Salary is present in the data as numerical amount representing US dollars.

You need to create a reference line to show which employees are above the median salary.

Solution: You create a constant line and set the value to .5. Does this meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Instead create a percentile line by using the Salary measure and set the percentile to 50%. Note: The 50th percentile is also known as the median or middle value where 50 percent of observations fall below.

Reference:

https://dash-intel.com/powerbi/statistical_functions_percentile.php

NEW QUESTION 66

- (Topic 4)

You have a report that contains a bar chart and a column chart. The bar chart shows customer count by customer segment. The column chart shows sales by month.

You need to ensure that when a segment is selected in the bar chart, you see which portion of the total sales for the month belongs to the customer segment.

How should the visual interactions be set on the column chart when the bar chart is selected?

- A. no impact
- B. highlight
- C. filter

Answer: B

Explanation:

HIGHLIGHT as the question required us to "you see which portion of the total sales for the month belongs to the customer segment" -- in order to see WHICH portion, you need to still see the whole visual, highlight is most appropriate. If the requirement stated to ONLY SEE THE PORTION IT RELATES TO then filter would be appropriate.

NEW QUESTION 71

- (Topic 4)

From Power Query Editor, you attempt to execute a query and receive the following error message.

Datasource.Error: could not find file.

What are two possible causes of the error? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. The file is locked
- B. An incorrect privacy level was used for the data source.
- C. The referenced file was moved to a new location
- D. You do not have permissions to the file.

Answer: BD

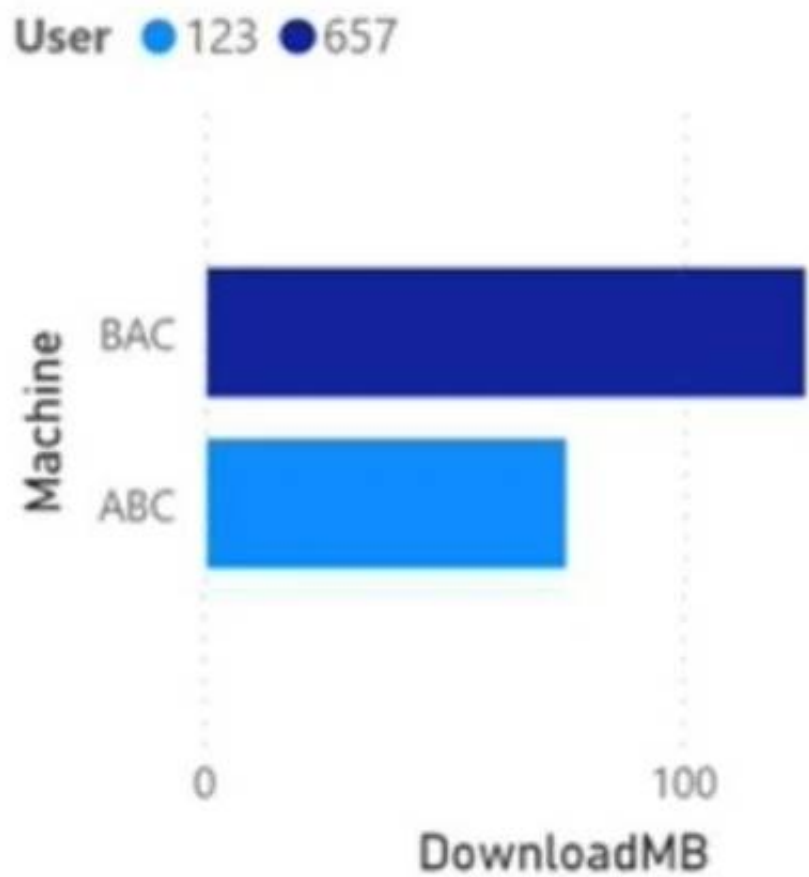
NEW QUESTION 72

- (Topic 4)

You are building a data model for a Power BI report. You have data formatted as shown in the following table.

Machine-User	DownloadMB
ABC-123	75
BAC-657	125

You need to create a clustered bar chart as shown in the following exhibit.



What should you do?

- A. From Power Query Editor, split the Machine-User column by using a delimiter.
- B. In a DAX function, create two calculated columns named Machine and User by using the substitute function.
- C. From Power Query Editor, create a column that contains the last three digits of the Machine-User column.
- D. in a DAX function, create two measures named Machine and User by using the substitute function.

Answer: A

NEW QUESTION 75

- (Topic 4)

You have the tables shown in the following table.

Table name	Column name
Campaigns	Campaign_ID
	Name
Ads	Ad_id
	Name
	Campaign_id
Impressions	Impression_id
	Ad_id
	Site_name
	Impression_time
	Impression_date

The Impressions table contains approximately 30 million records per month. You need to create an ad analytics system to meet the following requirements:

? Present ad impression counts for the day, campaign, and Site_name. The analytics for the last year are required.

? Minimize the data model size.

Which two actions should you perform? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

- A. Group the impressions by Ad_id, Site_name, and Impression_dat
- B. Aggregate by using the CountRows function.
- C. Create one-to-many relationships between the tables.
- D. Create a calculated measure that aggregates by using the COUNTROWS function.
- E. Create a calculated table that contains Ad_id, Site_name, and Impression_date.

Answer: AB

Explanation:
 Grouping in power query reduces the number of rows in the impression table that is gonna be loaded in the model. Creating relationships doesn't increase the size of the model.

NEW QUESTION 78

- (Topic 4)
 You are developing a sales report that will have multiple pages. Each page will answer a different business question. You plan to have a menu page that will show all the business questions. You need to ensure that users can click each business question and be directed to the page where the question is answered. The solution must ensure that the menu page will work when deployed to any workspace. What should you include on the menu page?

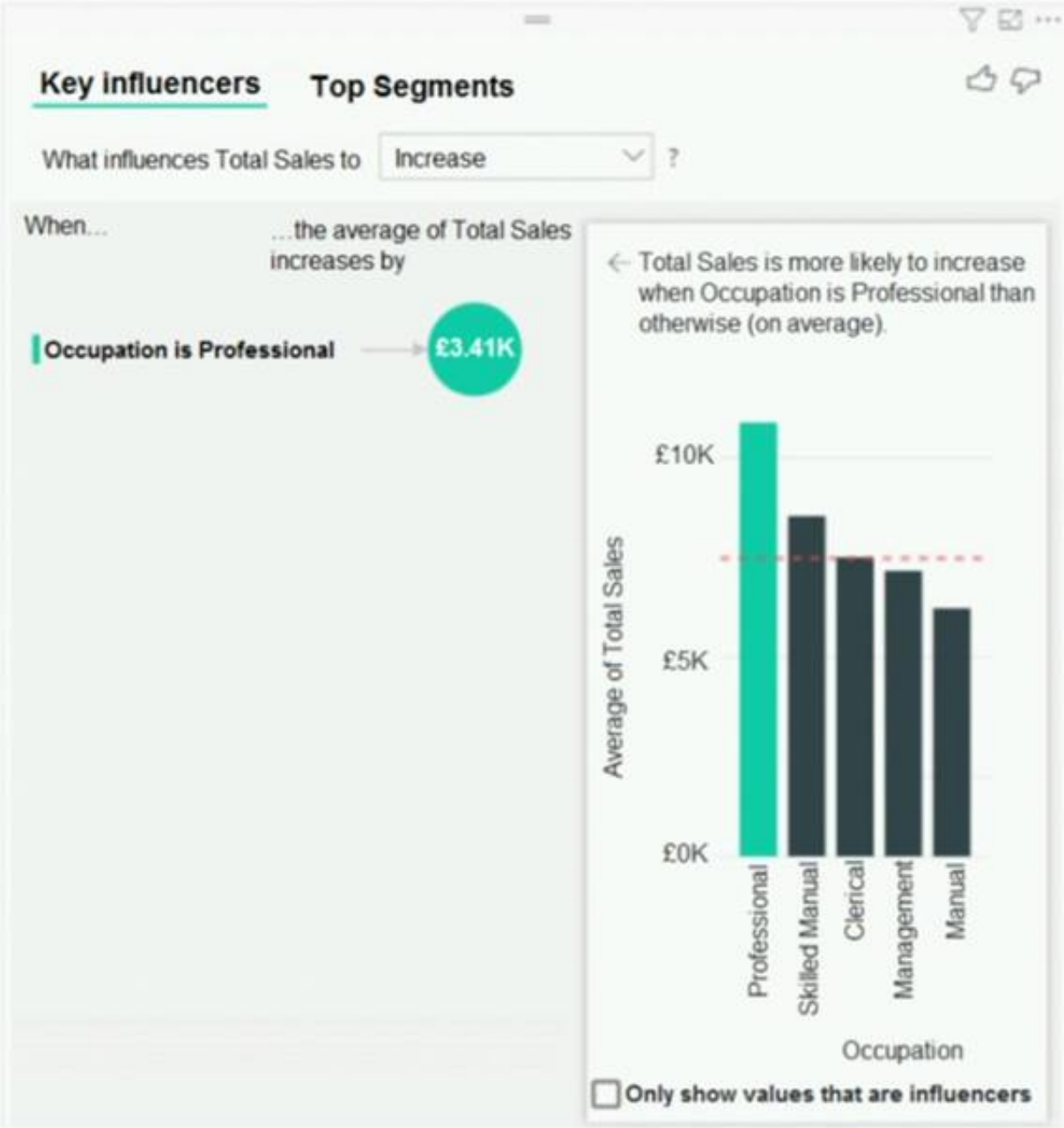
- A. Create a text box for each business question and insert a link.
- B. Create a button for each business question and set the action type to Bookmark.
- C. Create a Power Apps visual that contains a drop-down list
- D. The drop-down list will contain the businessquestions.

Answer: B

Explanation:
 When you create a bookmark, the following elements are saved with the bookmark: - The current page - Filters - Slicers, including slicer type (for example, dropdown or list) and slicer state - Visual selection state (such as cross-highlight filters) - Sort order - Drill location - Visibility of an object (by using the Selection pane) - The focus or Spotlight modes of any visible object

NEW QUESTION 83

HOTSPOT - (Topic 4)
 You have a table that contains the following three columns:
 ? City
 ? Total Sales
 ? Occupation
 You need to create a key influencers visualization as shown in the exhibit. (Click the Exhibit tab.)



How should you configure the visualization? To answer, select the appropriate options in the answer area.
 NOTE: Each correct selection is worth one point.

Analyze:

▼

City

Occupation

Total Sales

Explain by:

▼

City

Occupation

Total Sales

Expand by:

▼

City

Occupation

Total Sales

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Total Sales Box 2: Occupation
Box 3: City
You can use Expand By to add fields you want to use for setting the level of the analysis without looking for new influencers.

NEW QUESTION 85

- (Topic 4)
You have a Power BI report for the marketing department. The report reports on web traffic to a blog and contains data from the following tables.

Table name	Source	Description	Column name
Posts	Blog RSS feed	An XML representation of all the blog posts from your company's website	<ul style="list-style-type: none">Publish DateURLTitleFull TextSummary
Traffic	Website logs	Activity data from your company's entire website	<ul style="list-style-type: none">DateTimeURL VisitedIP AddressBrowser AgentReferring URL

There is a one-to-many relationship from Posts to Traffic that uses the URL and URL Visited columns. The report contains the visuals shown in the following table.

Name	Used field	Filter
Top 10 blog posts of all time	Posts[Title] Traffic[DateTime]	None
Top 10 blog posts from the last seven days	Posts[Title] Traffic[DateTime]	Traffic[DateTime] is in the last 7 days
Blog visits over time	Traffic[DateTime] Traffic[URL Visited]	Traffic[URL Visited] contains "blog"
Blog visits over time	Traffic[DateTime] Traffic[URL Visited]	Traffic[URL Visited] contains "blog"
Top 10 external referrals to the blog of all time	Traffic[Referring URL]	Traffic[URL Visited] contains "blog" AND Traffic[Referring URL] does not start with "/"

The dataset takes a long time to refresh.
 You need to modify Posts and Traffic queries to reduce toad times.
 Which two actions will reduce the toad times? Each correct answer presents part of the solution.
 NOTE: Each correct selection is worth one point.

- A. Remove the rows in Traffic in which Traffic [Referring URL] does not start with "/"
- B. Remove the rows in Posts in which Post [Publish Date] is in the last seven days.
- C. Remove Traffic [IP Address], Traffic (Browser Agent), and Traffic [Referring URL].
- D. Remove Posts [Full Text] and Posts [Summary].
- E. Remove the rows in Traffic in which Traffic [URL visited] does not contain "blog"

Answer: DE

NEW QUESTION 90

- (Topic 4)
 You have an app workspace that contains a dashboard and four reports. All the reports are generated from a single dataset that contains sales data for your company.
 The reports display the data configured as shown in the following table.

Report name	Data displayed	Data characteristic
Sales Data1	Sales from the start of 2013 to the end of 2015	The company was owned by another company named Contoso, Ltd. from 2013 to 2015
Sales Data2	Sales from the start of 2011 to the end of 2016	The company changed the line of products sold frequently from 2011 to 2016
Sales Data3	Sales from the start of 2016 to the end of 2017	The company hired new management that started in 2016
Sales Data4	Sales from the start of 2011 to the end of 2014	The company was being sued by a competitor from 2011 to 2014

You need to ensure that the users of the reports can locate the correct report by using natural language queries.
 What should you do?

- A. From the properties of the dataset, create four Featured Q&A Questions.
- B. From the Format settings of the reports, modify the Page Information.
- C. From the properties of the dataset, modify the Q&A and Cortana settings.
- D. From the properties of the workspace, modify the Language Settings.

Answer: C

Explanation:
 References: <https://docs.microsoft.com/en-us/power-bi/service-q-and-a-direct-query#limitations-during-public-preview>

NEW QUESTION 92

DRAG DROP - (Topic 4)
 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.

Actions

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

Answer Area

>

<

↑

↓

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Actions

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

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

NEW QUESTION 95

- (Topic 4)

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

Answer: C

Explanation:

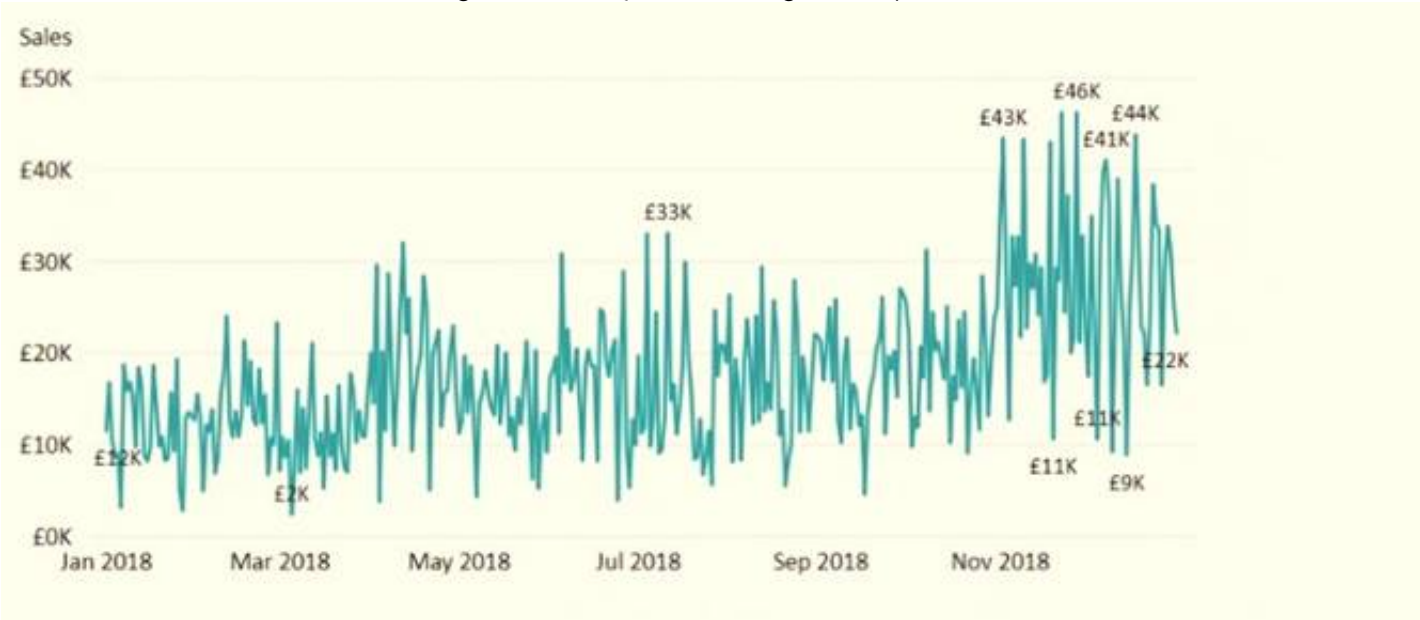
A Member can add members or others with lower permissions. Note:

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.	✓	✓		

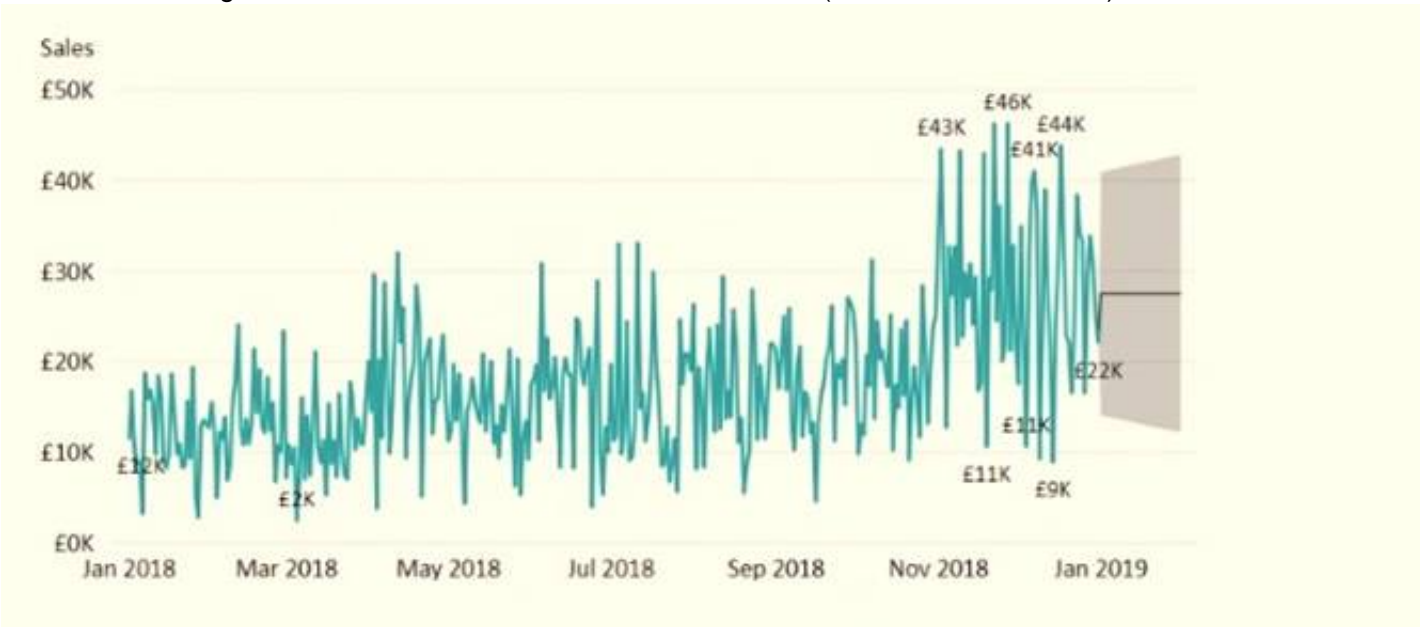
NEW QUESTION 99

- (Topic 4)

You have the visual shown in the Original exhibit. (Click the Original tab.)



You need to configure the visual as shown in the Modified exhibit. (Click the Modified tab.)



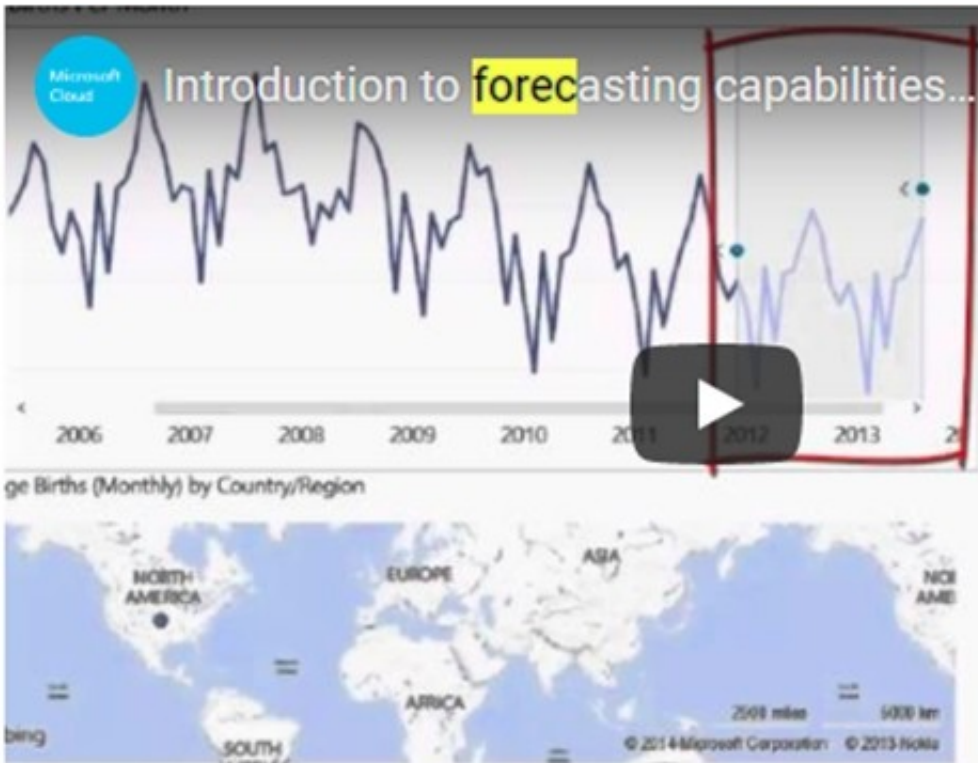
What should you add to the visual?

- A. a measure
- B. a trendline
- C. a forecast
- D. an Average line

Answer: C

Explanation:

Explore forecast results by adjusting the desired confidence interval or by adjusting outlier data to see how they affect results.



Timeline Description automatically generated with low confidence

Reference:

<https://powerbi.microsoft.com/fr-fr/blog/introducing-new-forecasting-capabilities-in-power-view-for-office-365/>

NEW QUESTION 103

FILL IN THE BLANK - (Topic 4)

You need to create a measure that will return the percentage of late orders.

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.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer as below

Answer Area

```

Late Orders Percent =
VAR OrderCount =
    COUNTROWS ( 'Orders' )
VAR LateOrders =
    CALCULATE (
        COUNTROWS ( 'Orders' ),
        FILTER ( Orders, Orders[ShippedDate] > Orders[RequiredDate] )
    )
    
```

NEW QUESTION 107

- (Topic 4)

You have a table that contains sales data and approximately 1,000 rows.

You need to identify outliers in the table. Which type of visualization should you use?

- A. area chart
- B. donut chart
- C. scatter plot
- D. pie chart

Answer: C

Explanation:

Outliers are those data points that lie outside the overall pattern of distribution & the easiest way to detect outliers is through graphs. Box plots, Scatter plots can help detect them easily.

Reference:

<https://towardsdatascience.com/this-article-is-about-identifying-outliers-through-funnel-plots-using-the-microsoft-power-bi-d7ad16ac9ccc>

NEW QUESTION 110

- (Topic 4)

In Power BI Desktop, you are creating a report that will contain three pages. You need to create a custom tooltip page and prepare the page for use.

Which three actions should you perform? Each correct answer presents part of the solution.

- A. Configure filters on the target visual.

- B. For the target page, set Allow use as tooltip to On.
- C. Add and configure visuals on the tooltip page.
- D. For the tooltip page, set Allow use as tooltip to On.
- E. For the tooltip page, configure filters.

Answer: BCD

Explanation:

You can create a custom tooltip page that shows more details about the selected category, such as this:

To create a custom tooltip page and prepare it for use, you need to perform these three actions:

1. Add and configure visuals on the tooltip page. You can add any visuals, images, or

other items that you want to show on the tooltip page. You can also format them as you like.

2. For the tooltip page, set Allow use as tooltip to On. This will enable Power BI to recognize this page as a tooltip page. You can also change the Page size to Tooltip to fit your content better.

3. For the target visual, set Tooltip type to Report page. This will allow you to select which report page you want to use as a custom tooltip for your visual. You can also filter your tooltip by fields from your target visual.

NEW QUESTION 115

- (Topic 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 a clustered bar chart that contains a measure named Salary as the value and a field named Employee as the axis. Salary is present in the data as numerical amount representing US dollars.

You need to create a reference line to show which employees are above the median salary.

Solution: You create a median line by using the Salary measure. Does this meet the goal?

- A. Yes
- B. No

Answer: A

Explanation:

The 50th percentile is also known as the median or middle value where 50 percent of observations fall below.

Reference:

https://dash-intel.com/powerbi/statistical_functions_median.php

NEW QUESTION 119

- (Topic 4)

From Power BI Desktop, you publish a new dataset and report to a Power BI workspace. The dataset has a row-level security (RLS) role named HR. You need to ensure that the HR team members have RLS applied when they view reports based on the dataset. What should you do?

- A. From Power BI Desktop, change the Row-Level Security settings.
- B. From Power BI Desktop, import a table that contains the HR team members
- C. From powerbi.com, add users to the HR role for the dataset.
- D. From powerbi.com, share the dataset to the HR team members.

Answer: C

NEW QUESTION 120

- (Topic 4)

Note: This question is part of a series of questions that use the same scenario. For your convenience, the scenario is repeated in each question. Each question presents a different goal and answer choices, but the text of the scenario is the same in each question in this series.

You have a Microsoft SQL Server database that contains the following tables.

Table name	Column name	Data type
Order	Order_ID	Integer
	Order_date	Integer
	Order_amount	Currency
	Customer_ID	Integer
	Order_ship_date	Integer
	Store_ID	Integer
Customer	Customer_ID	Integer
	First_name	Varchar(100)
	Last_name	Varchar(100)
	Customer_photo	Binary
Date	Date_ID	Integer
	Date_name	Datetime
	Month	Integer
	Week	Integer
	Year	Integer
Monthly_returns	Month_ID	Integer
	Total_returns	Float
	Store_ID	Varchar(100)
Store	Store_ID	Integer
	Name	Varchar(100)
	City	Varchar(100)
	Sales_target	Float

The following columns contain date information:

- Date[Month] in the mmyyyy format
- Date[Date_ID] in the ddmmyyyy format
- Date[Date_name] in the mm/dd/yyyy format
- Monthly_returns[Month_ID] in the mmyyyy format

The Order table contains more than one million rows.

The Store table has a relationship to the Monthly_returns table on the Store_ID column. This is the only relationship between the tables.

You plan to use Power BI Desktop to create an analytics solution for the data.

You need to create a relationship between the Monthly_returns table and Date[Date_ID]. What should you do before you create the relationship?

- A. In the Date table, create a new calculated column named MonthJD that uses the yyyydd format.
- B. In the Monthly_returns table, create a new calculated column named DateJD that uses the ddmmyyyy format.
- C. To the Order table, add a calculated column that uses the RELATED(Monthly_returns[Month_ID]) DAX formula.
- D. To the Date table, add a calculated column that uses the RE LATE D(Monthly_ret urns [MonthJD]) DAX formula.

Answer: B

Explanation:
 References:
<https://docs.microsoft.com/en-us/power-bi/desktop-create-and-manage-relationships>

NEW QUESTION 124

HOTSPOT - (Topic 4)
 You have a Power BI report named Orders that supports the following analysis:

- Total sales over time
- The count of orders over time
- New and repeat customer counts

The data model size is nearing the limit for a dataset in shared capacity. The model view for the dataset is shown in the following exhibit.

Customers

Date

Answer Area

Statements	Yes	No
Summarizing Orders by the CustomerID, OrderID, and OrderDate columns will reduce the model size while still supporting the current analysis.	<input type="radio"/>	<input type="radio"/>
Removing the CustomerID column from Orders will reduce the model size while still supporting the current analysis.	<input type="radio"/>	<input type="radio"/>
Removing the UnitPrice and Discount columns from Orders will reduce the model size while still supporting the current analysis.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements	Yes	No
Summarizing Orders by the CustomerID, OrderID, and OrderDate columns will reduce the model size while still supporting the current analysis.	<input type="radio"/>	<input checked="" type="radio"/>
Removing the CustomerID column from Orders will reduce the model size while still supporting the current analysis.	<input type="radio"/>	<input checked="" type="radio"/>
Removing the UnitPrice and Discount columns from Orders will reduce the model size while still supporting the current analysis.	<input checked="" type="radio"/>	<input type="radio"/>

NEW QUESTION 128

- (Topic 4)

You have a Power BI report that contains five pages. Pages 1 to 4 are visible and page 5 is hidden.

You need to create a solution that will enable users to quickly navigate from the first page to all the other visible pages. The solution must minimize development and maintenance effort as pages are added to the report.

What should you do first?

- A. Add a blank button to page 1.
- B. Add a bookmark navigation button to page 1.
- C. Create a bookmark for each page.
- D. Add a page navigation button to page 1.

Answer: A

NEW QUESTION 129

- (Topic 4)

You have a Microsoft Excel file in a Microsoft OneDrive folder. The file must be imported to a Power BI dataset

You need to ensure that the dataset can be refreshed in powerbi.com.

Which two connectors can you use to connect to the file? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. Text/CSV
- B. Folder
- C. Excel Workbook
- D. SharePoint folder
- E. Web

Answer: BC

Explanation:

- Copy and edit Path of the Excel file then use "Web" Connector: Option E

- Copy and edit Path of the OneDrive folder then use "Sharepoint Folder" connector: Option D

Source: <https://www.youtube.com/watch?v=GGHbbg6yi-A>

NEW QUESTION 130

- (Topic 4)

You manage a Power BI model has a table named Sales and product.

You need to ensure that a sales team can view only data that has a CountryRegionName value of United States and a ProductCategory value of Clothing.

What should you do from Power BI Desktop?

- A. From Power BI Desktop, create a new role that has the following filter.[countryRegionName]= "United States" && [ProductCategory]= "Clothing"
- B. Add the following filters in Query Editor.CountryRegionName is United StatesProductCategory is Clothing
- C. From Power BI Desktop, create a new role that has the following filters.[CountryRegionName]= "United States"
- D. Add the following filters to a report.CountryRegionName is United SatesProductCategory is Clothing

Answer: D

Explanation:

References: <https://docs.microsoft.com/en-us/power-bi/power-bi-how-to-report-filter>

NEW QUESTION 133

- (Topic 4)

You have a Power BI report that contains one page. The page contains two line charts and one bar chart.

You need to ensure that users can perform the following tasks for all three visuals:

? Switch the measures used in the visuals.

? Change the visualization type.

? Add a legend.

The solution must minimize development effort. What should you do?

- A. Enable personalization for each Visual.
- B. Create a bookmark for each acceptable combination of visualization type, measure, and legend in the bar chart
- C. Edit the interactions between the three visuals.
- D. Enable personalization for the report

Answer: C

NEW QUESTION 134

- (Topic 4)

You have a Microsoft Power BI data model that contains three tables named Orders, Date, and City. There is a one-to-many relationship between Date and Orders and between City and Orders.

The model contains two row-level security (RLS) roles named Role1 and Role2. Role1 contains the following filter.

City[State Province] = "Kentucky"

Role2 contains the following filter. Date[Calendar Year] = 2020

If a user is a member of both Role1 and Role2, what data will they see in a report that uses the model?

- A. The user will see data for which the State Province value is Kentucky and the Calendar Year is 2020.
- B. The user will see data for which the State Province value is Kentucky or the Calendar Year is 2020.
- C. The user will see only data for which the State Province value is Kentucky.
- D. The user will receive an error and will not be able to see the data in the report.

Answer: B

Explanation:

When a report user is assigned to multiple roles, RLS filters become additive. It means report users can see table rows that represent the union of those filters.

Reference:

<https://docs.microsoft.com/en-us/power-bi/guidance/rls-guidance>

NEW QUESTION 139

- (Topic 4)

You have a dashboard that contains tiles pinned from a single report as shown in the Original Dashboard exhibit. (Click the Original Dashboard tab.)



You need to modify the dashboard to appear as shown in the Modified Dashboard exhibit. (Click the Modified Dashboard tab.)



What should you do?

- A. Edit the details of each tile.
- B. Change the report theme.
- C. Change the dashboard theme.
- D. Create a custom CSS file.

Answer: C

Explanation:

<https://docs.microsoft.com/en-us/power-bi/create-reports/service-dashboard-themes#how-dashboard-themes-work>

NEW QUESTION 143

HOTSPOT - (Topic 4)

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.

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

- A. Mastered
- B. Not Mastered

Answer: A

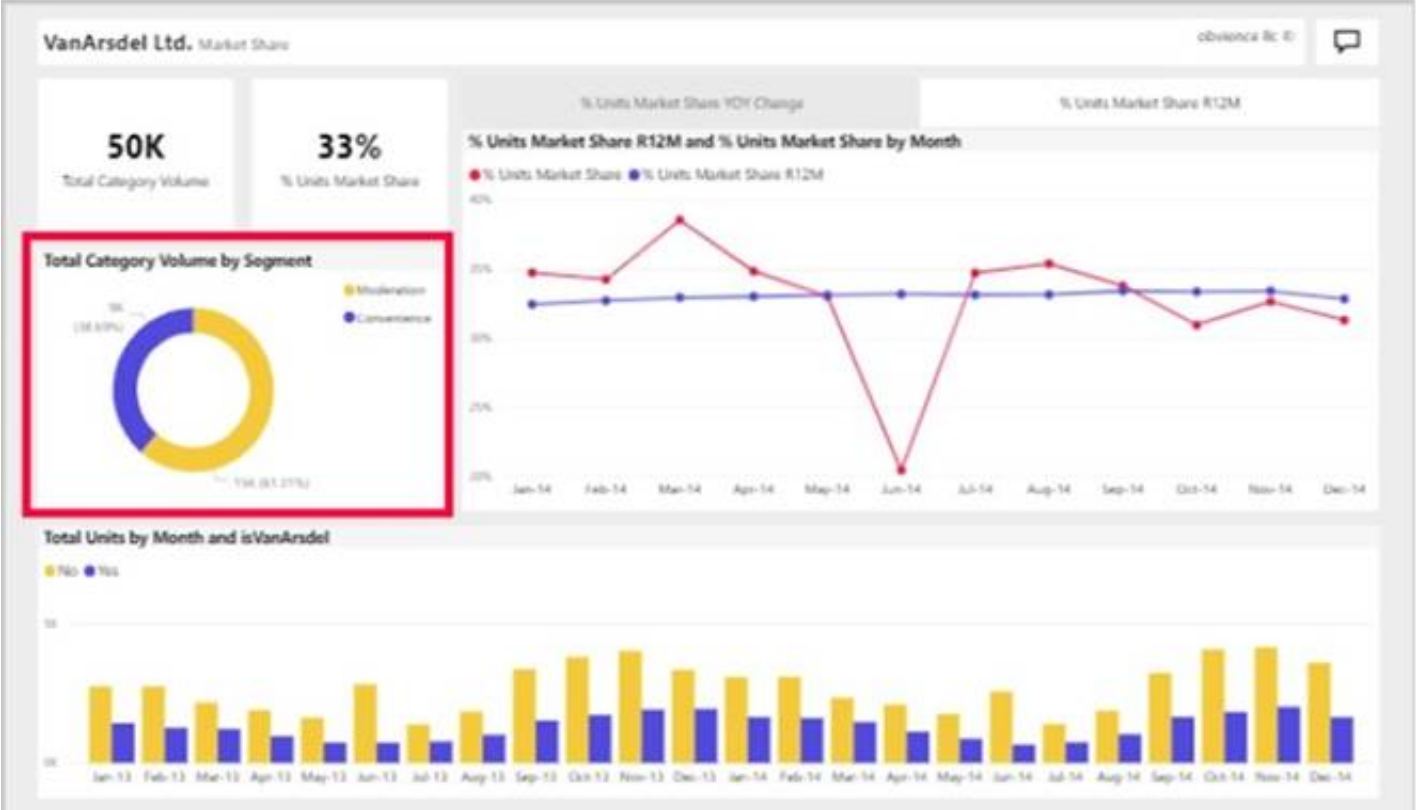
Explanation:

Box 1: cross-filter

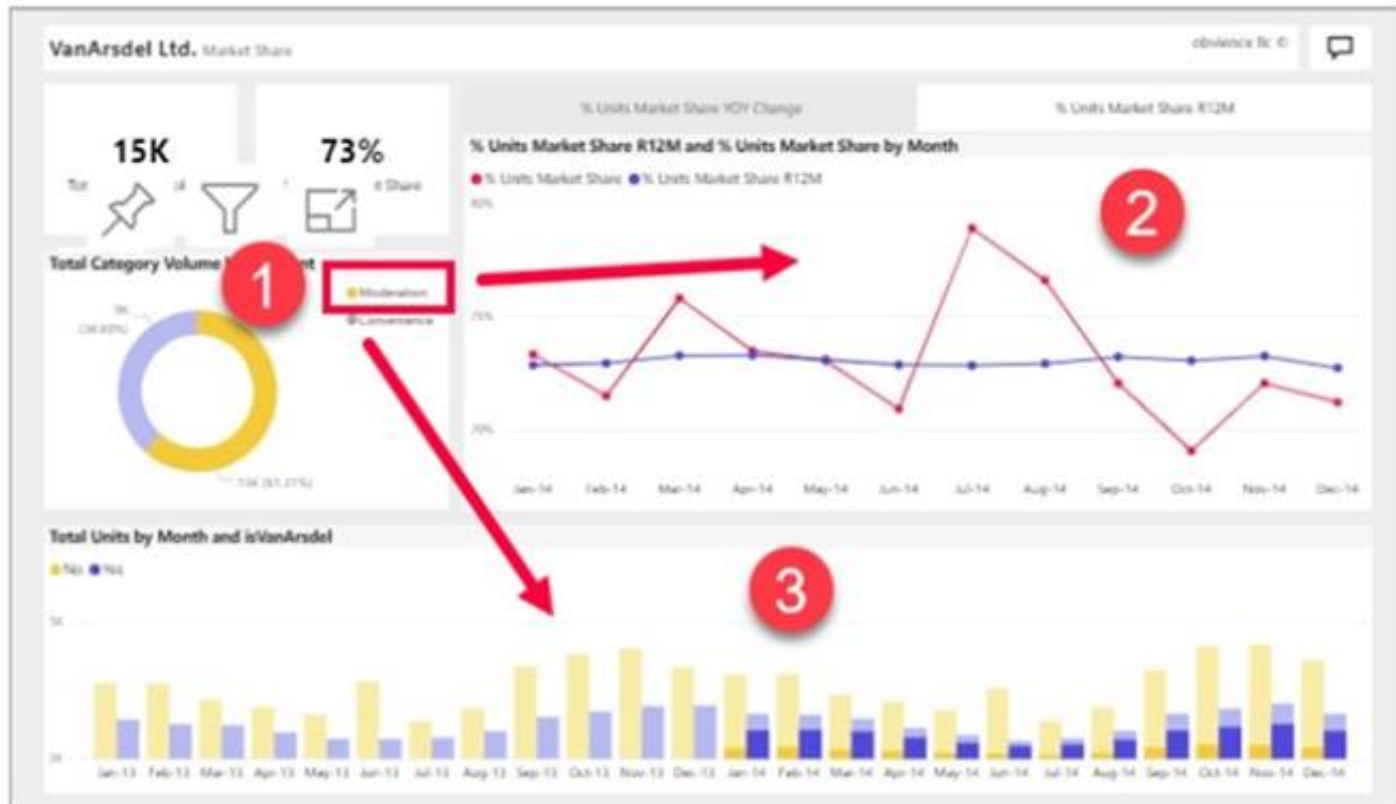
By default, selecting a data point in one visual on a report page will cross-filter or cross-highlight the other visuals on the page.

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.



* 1. Let's see what happens when we select Moderation.



* 2. 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.

* 3. 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.

NEW QUESTION 145

- (Topic 4)

You publish a report to a workspace named Customer Services. The report identifies customers that have potential data quality issues that must be investigated by the customer services department of your company.

You need to ensure that customer service managers can create task lists in Microsoft Excel based on the data.

Which report setting should you configure?

- A. Don't allow end user to save filters on this report.
- B. Change default visual interaction from cross highlighting to cross filtering.
- C. Enable the updated filter pane, and show filters in the visual header for this report.
- D. Allow users to add comments to this report.
- E. Choose the type of data you allow your end users to export.

Answer: E

Explanation:

<https://powerbi.microsoft.com/en-us/blog/announcing-persistent-filters-in-the-service/>

NEW QUESTION 147

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

You have a query for a table named Sales. Sales has a column named CustomerID. The Data Type of CustomerID is Whole Number.

You refresh the data and find several errors. You discover that new entries in the Sales table contain nonnumeric values.

You need to ensure that nonnumeric values in the CustomerID column are set to 0. Solution: From Query Editor, select the CustomerID column and click Remove Errors. Does this meet the goal?

- A. Yes
- B. No

Answer: B

NEW QUESTION 148

- (Topic 4)

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 AppSource 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. Change any DAX measures to use iterator functions.
- B. Replace the default visuals with AppSource visuals.
- C. Change the imported dataset to DirectQuery.
- D. Remove unused columns from tables in the data model.

Answer: D

Explanation:

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>

NEW QUESTION 153

- (Topic 4)

Your company plans to completely separate development and production assets such as datasets, reports, and dashboards in Microsoft Power BI.

You need to recommend an application lifecycle strategy. The solution must minimize access to production assets and prevent end users from viewing the development assets.

What should you recommend?

- A. Create production reports in a separate workspace that uses a shared dataset from the developmentworkspac
- B. Grant the end users access to the production workspace.
- C. Create one workspace for developmen
- D. From the new workspace, publish an app for production.
- E. Create a workspace for development and a workspace for productio
- F. From the production workspace,publish an app.
- G. In one workspace, create separate copies of the assets and append DEV to the names of the copied asset
- H. Grant the end users access to the workspace.

Answer: C

Explanation:

Use different work stages (Development, Test, and Production). Deploy from the Development workspace.

Reference:

<https://visualbi.com/blogs/microsoft/powerbi/application-lifecycle-management-power-bi/>

NEW QUESTION 156

- (Topic 4)

Remove unused columns from tables in the data model. This will reduce the size of your PBIX file and make your data model more efficient. You can use Power Query Editor to remove any columns that are not used in your report or calculations.

Month	2020	2021
Valid 100%	Valid 100%	Valid 100%
Error 0%	Error 0%	Error 0%
Empty 0%	Empty 0%	Empty 0%
12 distinct, 12 unique	12 distinct, 12 unique	12 distinct, 12 unique
January	4400	4908
February	2988	3722
March	5230	4815
April	4500	5031
May	3850	4354
June	6215	6019
July	2507	3922
August	3605	3740
September	4680	4850
October	3955	4612
November	6510	6480

You need to shape the query to display the following three columns:

- * Month
- * Sales
- * Year

What should you select in Power Query Editor?

- A. Pivot column
- B. Merge columns
- C. Unpivot columns.
- D. Transpose

Answer: C

Explanation:

This will convert your column headers (Jan-20, Feb-20,...) into row values under a new column called Attribute. You can then rename this column as Month and change its data type to Date. You will also have a new column called Value that contains the sales amounts for each month. You can rename this column as Sales

and change its data type to Decimal Number.

NEW QUESTION 159

- (Topic 4)

Simon	101	100
Wenanta	102	100
Conrad	103	101
Priyish	104	103
Sunil	105	103
Pavel	106	102

Each employee has one manager as shown in the ParentEmployeeID column, All reporting paths lead to the CEO at the top of the organizational hierarchy. You need to create a calculated column that returns the count of levels from each employee to the CEO. Which DAX expression should you use?

- A. `PATHITEM(PATH(Employee[EmployeeID],Employee[ParentEmployeeID]),1,INTEGER)`
- B. `PATHCONTAINS(PATH(Employee[EmployeeID],Employee[ParentEmployeeID]),1)`
- C. `PATH(Employee[EmployeeID],Employee[ParentEmployeeID])`
- D. `PATHLENGTH(PATH(Employee[EmployeeID],Employee[ParentEmployeeID]))`

- A. Option A
- B. Option B
- C. option C
- D. Option D

Answer: B

NEW QUESTION 162

HOTSPOT - (Topic 4)

You are building a financial report by using Power BI. You have a table named financials that contains a column named Date and a column named Sales. You need to create a measure that calculates the relative change in sales as compared to the previous quarter. How should you complete the measure? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Answer Area

```

Sales QoQ% =
IF (
    ISFILTERED('financials' [Date]),
    ERROR("Uh oh."),
    VAR PREV_QUARTER =
        CALCULATE
        CALCULATETABLE
        DATEADD
        DIVIDE
        FILTER
        FIND
        SUM('financials' [Sales]),
        ('financials' [Date].[Date], -1, QUARTER)
    )
RETURN
    (SUM('financials' [Sales]) - PREV_QUARTER, PREV_QUARTER)
    )
    
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: CALCULATE
Box 2: DATEADD
Box 3: DIVIDE
Example: NET_SALES QoQ% = IF(
ISFILTERED('Calendar'[Date]),
ERROR("Time intelligence quick measures can only be grouped or filtered by the Power BI-provided date hierarchy or primary date column."),
VAR PREV_QUARTER = CALCULATE(
SUM('research_ra_qtr_template'[NET_SALES]), DATEADD('Calendar'[Date].[Date], -1, QUARTER)
) RETURN DIVIDE(
SUM('research_ra_qtr_template'[NET_SALES]) - PREV_QUARTER,
PREV_QUARTER
)
)

NEW QUESTION 163

- (Topic 4)
You create the following step by using Power Query Editor.
=
Table.ReplaceValue(SalesLT_Address,"1318","1319",Replacer.ReplaceText,{"AddressLine 1"})
A row has a value of 21318 Lasalle Street in the AddressLine1 column. What will the value be when the step is applied?

- A. 1318
- B. 1319
- C. 21318 Lasalle Street
- D. 21319 Lasalle Street

Answer: D

Explanation:

Example:
Replace the text "ur" with the text "or" in the table.

```
Table.ReplaceValue(  
    Table.FromRecords({  
        [a = 1, b = "hello"],  
        [a = 3, b = "wurld"]  
    }),  
    "ur",  
    "or",  
    Replacer.ReplaceText,  
    {"b"}  
)
```

a	b
1	hello
3	world

Reference:
<https://docs.microsoft.com/en-us/powerquery-m/table-replacevalue>

NEW QUESTION 166

- (Topic 4)
In Power BI Desktop, you have a dataset that contains a table.
You create a table visual on a Power BI report page as shown in the following exhibit

Plant Name	Plant Image
Pothos	https://raw.githubusercontent.com/ml
Spider plant	https://raw.githubusercontent.com/ml
philodendron	https://raw.githubusercontent.com/ml
ZZ plant	https://raw.githubusercontent.com/ml

You need to configure the visual to display the referenced image instead of the URL in the Plant Image column.
What should you do?

- A. Set the Data category of the Plant Image field to Image URL
- B. Set the Data type of the Plant Image field to Binary.
- C. Set the Data category of the Plant Image field to Web URL.
- D. From the Formatting ta
- E. select Values, and then set URL icons to On for the table.

Answer: A

NEW QUESTION 170

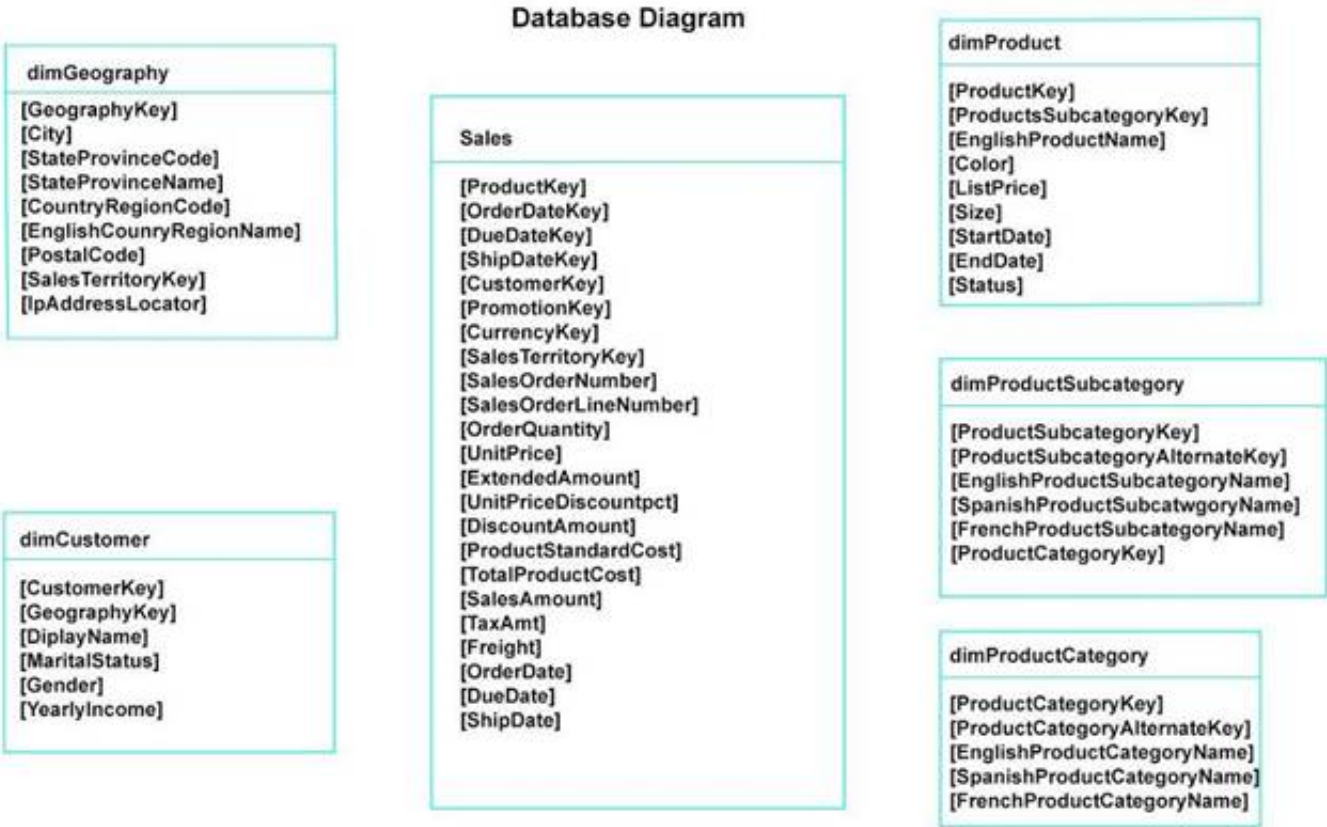
- (Topic 4)
You import a large dataset to Power Query Editor.
You need to identify whether a column contains only unique values.
Which two Data Preview options can you use? Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one point

- A. Show whitespace
- B. Column distribution
- C. Column profile
- D. Column quality
- E. Monospaced

Answer: AD

NEW QUESTION 171

DRAG DROP - (Topic 4)
Note: This question is a part of a series of questions that present the same scenario. For your convenience, the scenario is repeated in each question. Each question presents a different goal and answer choices, but the text of the scenario is exactly the same in each question in this series.
Start of repeated scenario
You have a Microsoft SQL Server database that has the tables shown in the Database Diagram exhibit. (Click the Exhibit.)



You plan to develop a Power BI model as shown in the Power BI Model exhibit. (Click the Exhibit).



You plan to use Power BI to import data from 2013 to 2015. Product Subcategory [Subcategory] contains NULL values. End of repeated scenario. You implement the Power BI model.

You need to edit the Product Category table query to match the desired Power BI model. How should you complete the advanced query? To answer, drag the appropriate values to the correct 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.

Values

- Table.Combine
- Table.RemoveColumns
- Table.RemoveRows
- Table.RenameColumns
- Table.ReorderColumns
- Table.SelectColumns

Answer Area

```

let
    Source= Sql.Databases ("localhost"),
    DB1= Source {[Name= "DB1"]} [Data],
    dbo_DimProductCategory= DB1{[Schema= "dbo, Item= "DimProductCategory"]} [Data],
    #Var1= Value
    (dbo_DimProductCategory, {"ProductCategoryAlternateKey",
    "SpanishProductCategoryName", "FrenchProductCategoryName"}),
    #Var2= Value
    (#Var1, {{"EnglishProductCategoryName", "Category"}, {"DimProductSubcategory", "Subcategory"}})
in
    #Var2
                    
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

<https://msdn.microsoft.com/en-us/library/mt260776.aspx> <https://msdn.microsoft.com/en-us/library/mt260808.aspx>

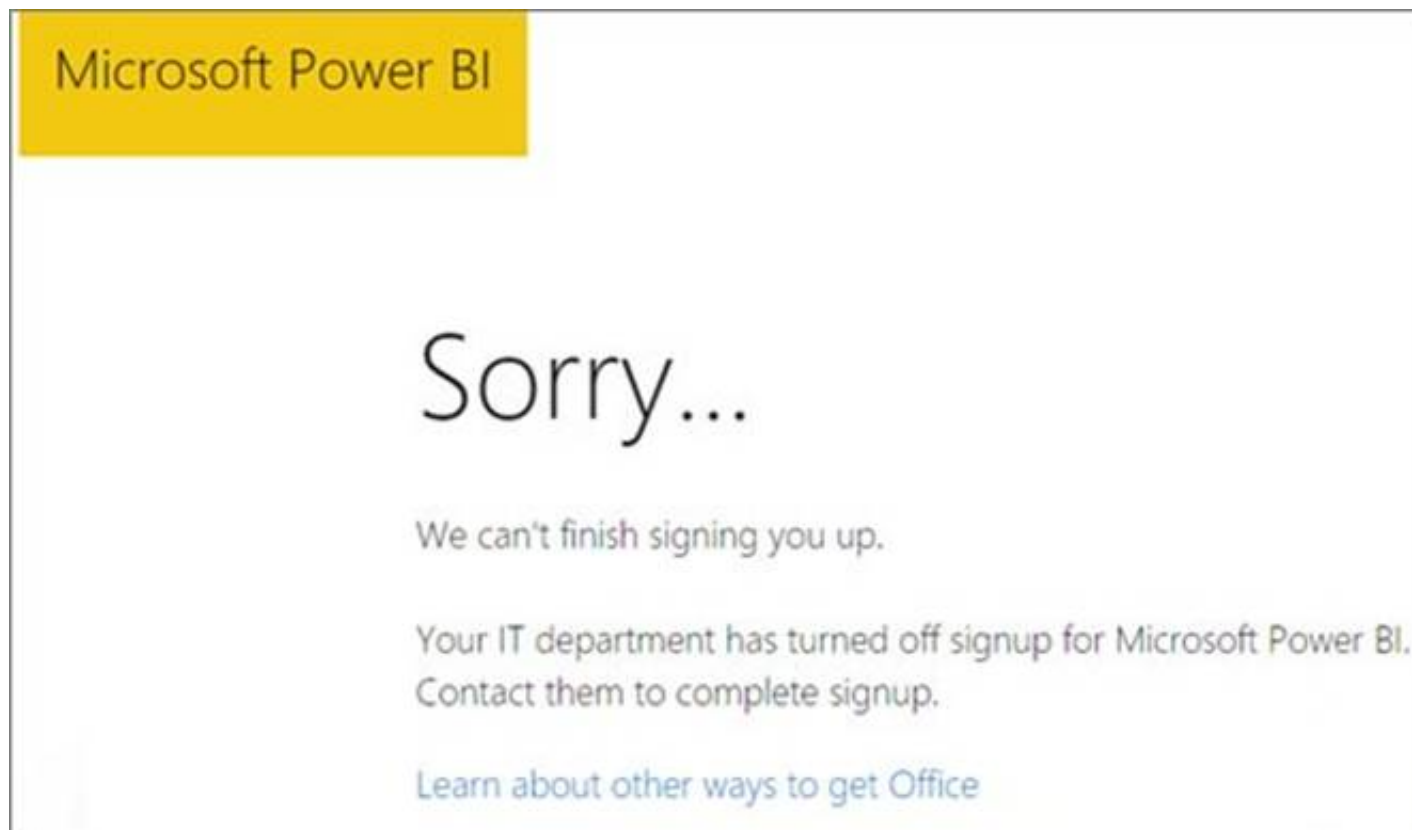
NEW QUESTION 174

- (Topic 4)

Your organization has a team of power users who recently created 20 Power BI dashboards.

The power users share the dashboards with other users in the organization.

When the users attempt to access the dashboards, they receive the error message shown in the exhibit. (Click the Exhibit.)



You need to ensure that all the users can access the dashboards. What should you do first?

- A. From the Microsoft Office 365 Admin center, and the Power BI (free) subscription, and then assign a license to each user.
- B. From the Power BI Admin portal, modify the Privacy Settings.
- C. From the properties of each dashboard, modify the Share dashboard settings.
- D. Instruct each user to install Microsoft Office 2016.

Answer: A

Explanation:

References: <http://www.nubo.eu/en/blog/2016/12/Enable-PowerBI-On-Office-365/>

NEW QUESTION 178

- (Topic 4)

You build a Power BI report that displays IoT temperature data streaming from a refrigerator.

You publish the report to the Power BI service.

You need to be notified when the temperature rises above four degrees Celsius. What should you do?

- A. Set an alert on a KPI visual in the report.
- B. Pin a card visual to a dashboard and create a subscription.
- C. Pin a card visual to a dashboard and set an alert on the tile.
- D. Pin a report page to a dashboard and set an alert on the page.

Answer: A

NEW QUESTION 180

- (Topic 4)

You have a Power BI report named ReportA.

You have a Power BI tenant that allows users to export data.

You need to ensure that consumers of ReportA cannot export any data from visuals.

Which two actions should you perform? Each correct answer presents a complete solution. NOTE Each correct selection is worth one point.

- A. From Power BI Desktop, modify the Data Load settings
- B. From the answer BI service modify the Report settings.
- C. From Power BI Desktop modify the Report settings
- D. From the Power BI service, modify the dataset permissions.

Answer: BD

NEW QUESTION 183

- (Topic 4)

You are creating a sales report in Power BI for the NorthWest region sales territory of your company. Data will come from a view in a Microsoft SQL Server database. A sample of the data is shown in the following table:

ID	ProductKey	OrderDate	ShipDate	CustomerKey	SalesTerritoryRegion	SalesOrderNumber	SalesOrderLineNumber	OrderQuantity	UnitPrice	SalesAmount	TaxAmount	Freight
1	310	2010-12-29	2011-01-05	21768	Canada	SO43697	1	1	3578.27	3578.27	286.2616	89.4568
2	346	2010-12-29	2011-01-05	27365	France	SO43698	1	1	3399.99	3399.99	271.9992	84.9998
3	346	2010-12-29	2011-01-05	76537	NorthWest	SO43699	1	1	3399.99	3399.99	271.9992	84.9998
4	336	2010-12-29	2011-01-05	34256	SouthWest	SO43700	1	1	699.0982	699.0982	55.8279	17.4775
5	346	2010-12-29	2011-01-05	34253	Australia	SO43701	1	1	3399.99	3399.99	271.9992	84.9998
6	311	2010-12-30	2011-01-06	12543	SouthWest	SO43702	1	1	3578.27	3578.27	286.2616	89.4568
7	310	2010-12-30	2011-01-06	76545	Australia	SO43703	1	1	3578.27	3578.27	286.2616	89.4568

The report will facilitate the following analysis:

- The count of orders and the sum of total sales by Order Date
- The count of customers who placed an order
- The average quantity per order

You need to reduce data refresh times and report query times.

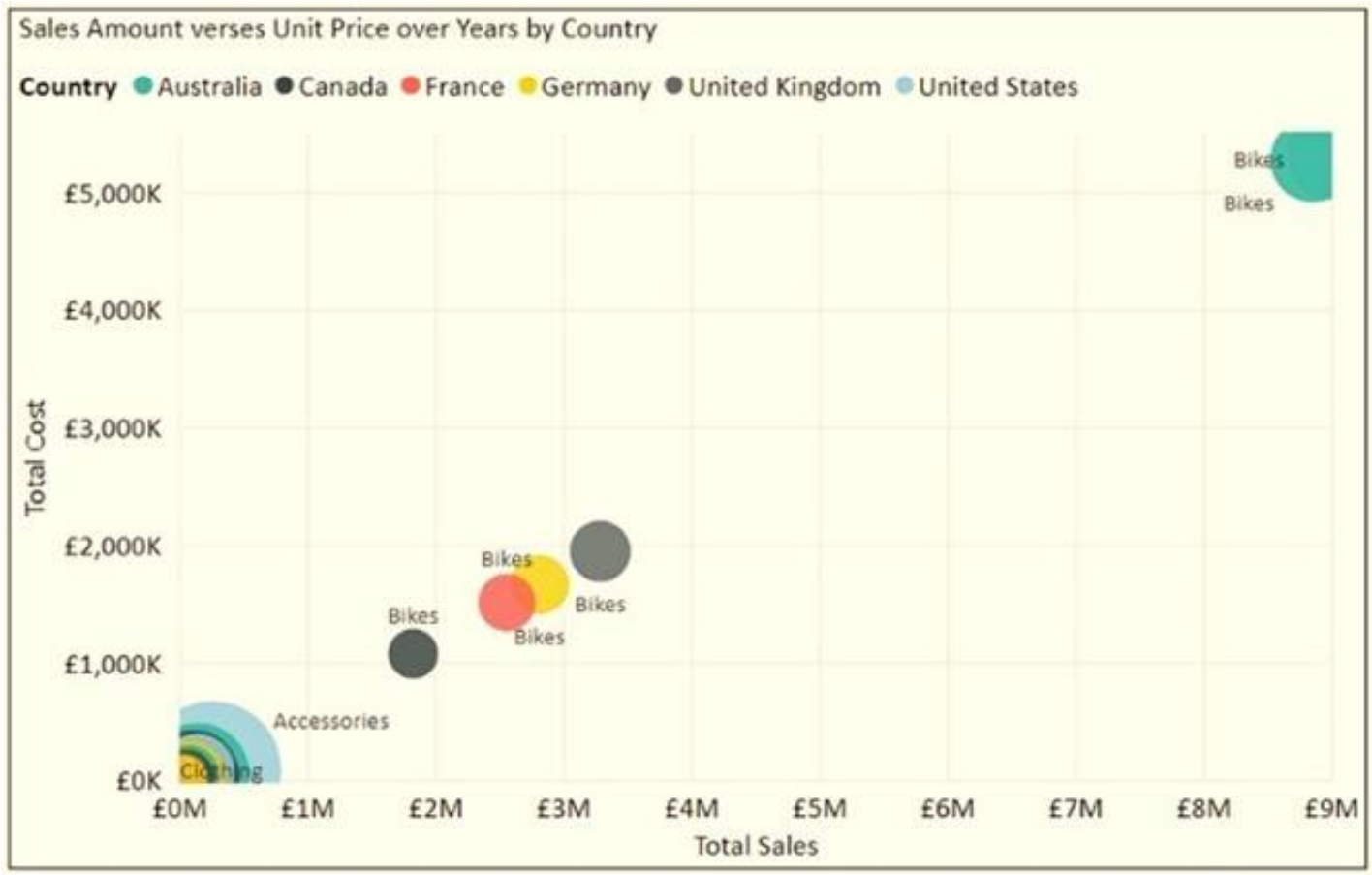
Which two actions should you perform? Each correct answer presents part of the solution NOTE: Each correct selection is worth one point.

- A. Fillet the data to only the NorthWest region sales territory.
- B. Remove the CustomerKey and ProductKey columns.
- C. Remove the TaxAmt and Freight columns.
- D. Set the data type for SatesOrderNumber to Decimal Number

Answer: AC

NEW QUESTION 188

- (Topic 4)
 You have the visual shown in the exhibit. (Click the Exhibit tab.)



You need to show the relationship between Total Cost and Total Sales over time. What should you do?

- A. Add a play axis.
- B. Add a slicer for the year.
- C. From the Analytics pane, add an Average line.
- D. Create a DAX measure that calculates year-over-year growth.

Answer: A

Explanation:

You can set up a date field in play axis, and then scatter chart will animate how measure values are compared to each other in each point of a time.

Reference:

<https://radacad.com/storytelling-with-power-bi-scatter-chart>

NEW QUESTION 192

- (Topic 4)
 You need to design the data model to meet the report requirements. What should you do m Power BI Desktop?

- A. From Power Query, add columns to the Orders table to calculate the calendar quarter and the calendar month of the OrderDate column.
- B. From Power Bi Desktop, use the Auto date/time option when creating the reports.
- C. From Power Query, add a date tabl
- D. Create an active relationship to the OrderDate column in the Orders table and an inactive relationship to the ShippedDate column in the Orders table.
- E. From Power Query, use a DAX expression to add columns to the Orders table to calculate the calendar quarter of the OrderDate column, the calendar month of the OrderDate column, the calendar quarter of the ShippedDate column, and the calendar month of the ShippedDate column

Answer: B

NEW QUESTION 196

DRAG DROP - (Topic 4)

You have a Microsoft Power BI data model that contains three tables named Sales, Product, and Date.

The Sales table has an existing measure named [Total Sales] that sums the total sales from the Sales table.

You need to write a calculation that returns the percentage of total sales that a selected ProductCategoryName value represents. The calculation must respect any slicers on ProductCategoryName and must show the percentage of visible total sales. For example, if there are four ProductCategoryName values, and a user filters one out, a table showing ProductCategoryName and the calculation must sum up to 100 percent.

How should you complete the calculation? To answer, drag the appropriate values to the correct 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.

Answer Area

ALL

ALLSELECTED

CALCULATE

CALCULATETABLE

CURRENTGROUP

DIVIDE

SUMMARIZE

TOPN

Product Category % of Total 2 =

([Total Sales],

```
( [Total Sales] ,
```

©

```
Product[ProductCategoryName] ) ) )
```

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Divide, Calculate, AllSelected.

NEW QUESTION 200

- (Topic 4)

You have a Power BI workspace named BI Data that contains a dataset named BI Finance.

You have the Build permission for the 81 Finance dataset but you do NOT have permissions for the workspace,

You need to connect to BI Finance and create a report.

Which actions should you perform? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

A. From the Power BI service, create a dataflow to the dataset by using DirectQuery.
B. From Power BI Desktop, connect to a Dataverse data source.
C. From the Power BI service, create a new report and select a published dataset
D. From Power BI Desktop, connect to a shared dataset

Answer: BC

NEW QUESTION 201

- (Topic 4)

You import a Power BI dataset that contains the following tables:

- Date
- Product
- Product Inventory

The Product inventory table contains 25 million rows. A sample of the data is shown in the following table.

ProductKey	DateKey	MovementDate	UnitCost	UnitsIn	UnitsOut	UnitsBalance
167	20101228	28-Dec-10	0.19	0	0	875
167	20101229	29-Dec-10	0.19	0	0	875
167	20110119	19-Jan-11	0.19	0	0	875
167	20110121	21-Jan-11	0.19	0	0	875
167	20110122	22-Jan-11	0.19	0	0	875

The Product Inventory table relates to the Date table by using the DateKey column. The Product inventory table relates to the Product table by using the ProductKey column. You need to reduce the size of the data model without losing information. What should you do?

- A. Change Summarization for DateKey to Don't Summarize.
- B. Change the data type of UnitCost to Integer.
- C. Remove the relationship between Date and Product Inventory.
- D. Remove MovementDate.

Answer: D

NEW QUESTION 203

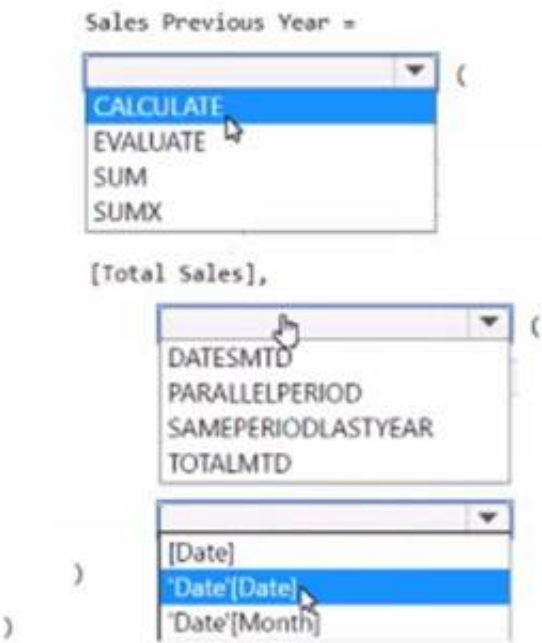
HOTSPOT - (Topic 4)

You have a Power BI model that contains a table named Sales and a related date table. Sales contains a measure named Total Sales. You need to create a measure that calculates the total sales from the equivalent month of the previous year.

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

NOTE: Each correct selection is worth one point.

Answer Area

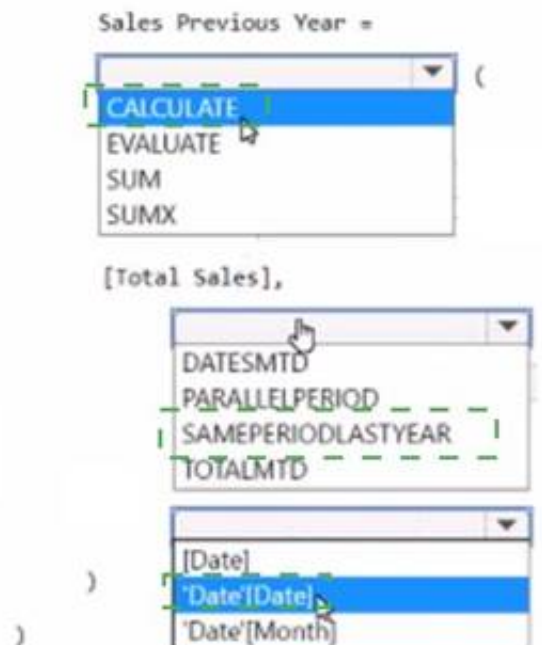


- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area



NEW QUESTION 206

- (Topic 4)

You have sales data in a star schema that contains four tables named Sales, Customer, Date, and Product. The Sales table contains purchase and ship dates. Most often, you will use the purchase date to analyze the data, but you will analyze the data by both dates independently and together. You need to design an imported dataset to support the analysis. The solution must minimize the model size and the number of queries against the data source. Which data modeling design should you use?

- A. Use the Auto Date/Time functionality in Microsoft Power BI and do NOT import the Date table.
- B. Duplicate the Date query in Power Query and create active relationships between Sales and both Date tables in the modeling view.
- C. On the Date table, use a reference query in Power Query and create active relationships between Sales and both Date tables in the modeling view.
- D. Import the Date table twice in Power Query and create active relationships between Sales and both Date tables in the modeling view.

Answer: D

Explanation:

Microsoft recommends defining active relationships whenever possible. They widen the scope and potential of how your model can be used by report authors, and users working with Q&A.

Refactoring methodology (example): Here's a methodology to refactor a model from a single role-playing dimension-type table, to a design with one table per role.

? Remove any inactive relationships.

? Consider renaming the role-playing dimension-type table to better describe its role.

In the example, the Airport table is related to the ArrivalAirport column of the Flight table, so it's renamed as Arrival Airport.

? Create a copy of the role-playing table, providing it with a name that reflects its

role. If it's an Import table, we recommend defining a calculated table. If it's a DirectQuery table, you can duplicate the Power Query query.

Only one relationship can be active.

Note: If you query two or more tables at the same time, when the data is loaded, Power BI Desktop attempts to find and create relationships for you. The relationship options Cardinality, Cross filter direction, and Make this relationship active are automatically set.

Reference:

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

<https://docs.microsoft.com/en-us/power-bi/guidance/relationships-active-inactive>

NEW QUESTION 209

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

You have a Power BI model that contains two tables named Sales and Date. Sales contains four columns named TotalCost, DueDate, ShipDate, and OrderDate.

Date contains one column named Date.

The tables have the following relationships:

? Sales[DueDate] and Date[Date]

? Sales[ShipDate] and Date[Date]

? Sales[OrderDate] and Date[Date]

The active relationship is on Sales[DueDate].

You need to create measures to count the number of orders by [ShipDate] and the orders by [OrderDate]. You must meet the goal without duplicating data or loading additional data.

Solution: You create measures that use the CALCULATE, COUNT, and USERELATIONSHIP DAX functions.

Does this meet the goal?

A. Yes

B. No

Answer: A

Explanation:

References:

<https://docs.microsoft.com/en-us/dax/calculate-function-dax> <https://docs.microsoft.com/en-us/dax/count-function-dax> <https://docs.microsoft.com/en-us/dax/userelationship-function-dax>

NEW QUESTION 211

- (Topic 4)

You plan to embed multiple visualization in a public website.

Your Power BI infrastructure contains the visualizations configured as shown in the following table.

Visualization name	Characteristic
Visual1	Uses row-level security (RLS)
Visual2	Uses a dataset that is stored in Microsoft OneDrive for Business
Visual3	Contained in a report that was shared to your user account
Visual4	Is a custom visual
Visual5	Uses a dataset from an on-premises Microsoft SQL Server Analysis Services (SSAS) database

Which two visualizations can you embed into the website? Each correct answer presents a complete the solution.

NOTE: Each correct selection is worth one point.

A. Visual1

B. Visual2

C. Visual3

D. Visual4

E. Visual5

Answer: BD

Explanation:

References: <https://docs.microsoft.com/en-us/power-bi/service-publish-to-web>

NEW QUESTION 212

FILL IN THE BLANK - (Topic 4)

You need to create a visualization to meet the reporting requirements of the sales managers.

HOW Should create the Visualization? TO answer, select the appropriate options in the answer area.

A. Mastered

B. Not Mastered

Answer: A

Explanation:

Answer is as below:

Indicator:

Sales[sales_amount]

Trend axis:

Date[month]

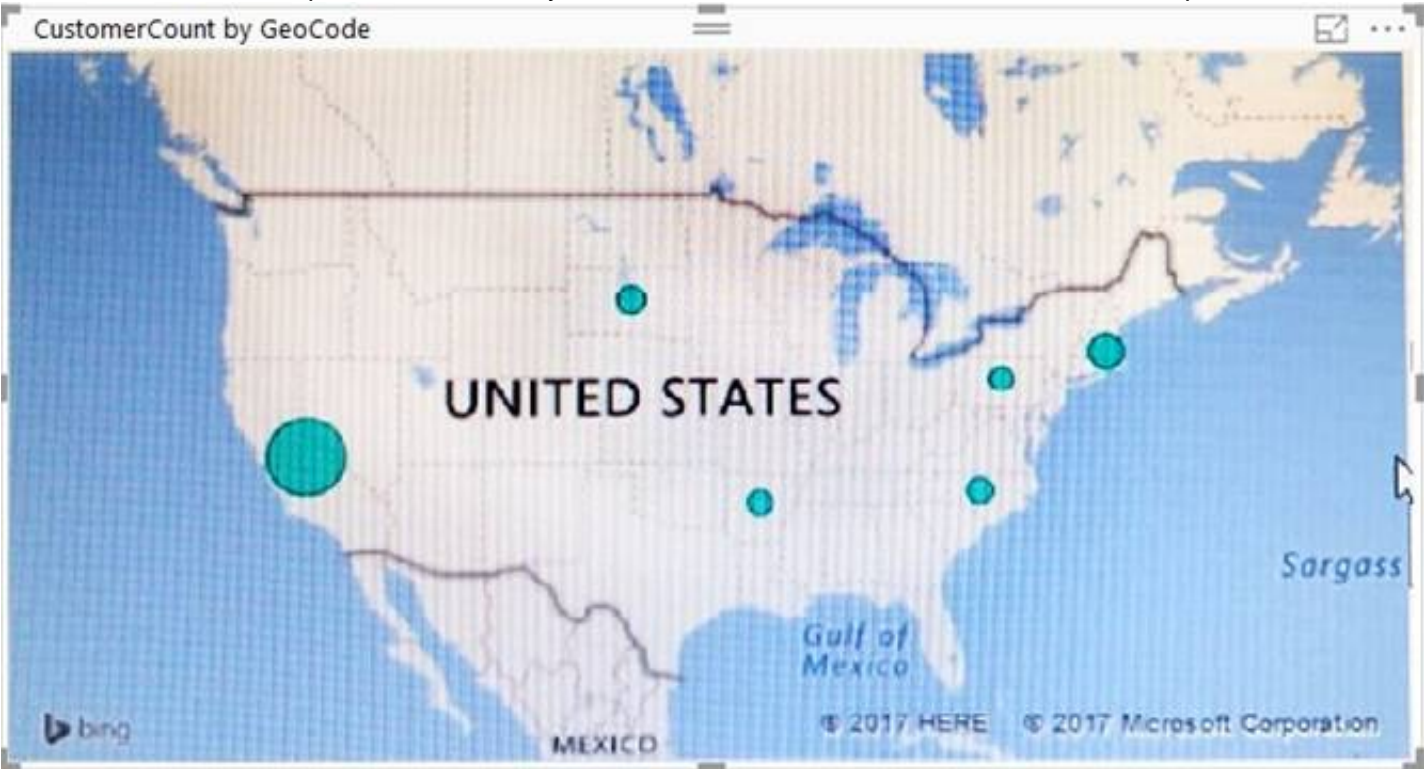
Target goals:

Targets[sales_target]

NEW QUESTION 213
- (Topic 4)
You have the following table named Location.

GeoCode	CustomerCount
CA	9530
AR	540
MA	2300
SD	1200
PA	340
NC	890

The GeoCode column represents the country where each customer is located. You create a map visualization as shown in the exhibit. (Click the Exhibit tab.)



You need to ensure that the map displays the country locations. What should you do?

- A. Replace the values in the GeoCode column with postal codes or zip codes.
- B. Change the name of the GeoCode column to Country.
- C. Change the name of the Location table to Country.
- D. Change the Default Summarization of the GeoCode column.
- E. Add a Geoportal column to the Location table.
- F. Change the Data Type of the GeoCode column.

Answer: B

Explanation:
References:
<https://docs.microsoft.com/en-us/power-bi/visuals/power-bi-map-tips-and-tricks>

NEW QUESTION 216
.....

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