



Microsoft

Exam Questions DA-100

Analyzing Data with Microsoft Power BI

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NEW QUESTION 1

- (Exam Topic 4)

You have four sales regions. Each region has multiple sales managers.

You implement row-level security (RLS) in a data model. You assign the relevant distribution lists to each role.

You have sales reports that enable analysis by region. The sales managers can view the sales records of their region. The sales managers are prevented from viewing records from other regions.

A sales manager changes to a different region.

You need to ensure that the sales manager can see the correct sales data. What should you do?

- A. From Microsoft Power BI Desktop, edit the Row-Level Security setting for the reports.
- B. Change the Microsoft Power BI license type of the sales manager.
- C. Manage the permissions of the underlying dataset
- D. Request that the sales manager be added to the correct Azure Active Directory group.

Answer: D

Explanation:

Using AD Security Groups, you no longer need to maintain a long list of users.

All that you will need to do is to put in the AD Security group with the required permissions and Power BI will do the REST! This means a small and simple security file with the permissions and AD Security group.

Note: Configure role mappings

Once published to Power BI, you must map members to dataset roles.

Members can be user accounts or security groups. Whenever possible, we recommend you map security groups to dataset roles. It involves managing security group memberships in Azure Active Directory. Possibly, it delegates the task to your network administrators.

Reference:

<https://www.fourmoo.com/2018/02/20/dynamic-row-level-security-is-easy-with-active-directory-security-group>

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

NEW QUESTION 2

- (Exam Topic 4)

You have a CSV file that contains user complaints. The file contains a column named Logged. Logged contains the date and time each complaint occurred. The data in Logged is in the following format:

at 08:59.

You need to be able to analyze the complaints by the logged date and use a built-in date hierarchy. D18912E1457D5D1DDCBD40AB3BF70D5D

What should you do?

- A. Change the data type of the Logged column to Date.
- B. Apply a transform to extract the last 11 characters of the Logged column and set the data type of the new column to Date.
- C. Create a column by example that starts with 2018-12-31 and set the data type of the new column to Date.
- D. Apply a transform to extract the first 11 characters of the Logged column.

Answer: C

NEW QUESTION 3

- (Exam Topic 4)

You are creating a visual to show the ranking of product categories by sales revenue.

Your company's security policy states that you cannot send data outside of your Microsoft Power BI tenant Which approach provides the widest variety of visuals while adhering to the security policy?

- A. Use default visuals or custom visuals uploaded from a .pbviz file.
- B. Use only default visuals.
- C. Use default or any custom visuals from the marketplace.
- D. Use default or certified custom visuals.

Answer: C

NEW QUESTION 4



- (Exam Topic 4)

You have a query named Customer that imports CSV files from a data lake. The query contains 500 rows as shown in the exhibit. (Click the Exhibit tab.)

	ABC Source.Name	123 Customer ID	Modified Date	ABC Customer	ABC Category
	<div><div>Valid100%</div><div>Error0%</div><div>Empty0%</div></div>	<div><div>Valid100%</div><div>Error0%</div><div>Empty0%</div></div>	<div><div>Valid100%</div><div>Error0%</div><div>Empty0%</div></div>	<div><div>Valid100%</div><div>Error0%</div><div>Empty0%</div></div>	<div><div>Valid100%</div><div>Error0%</div><div>Empty0%</div></div>
1	Customer20200104.csv	1	1/1/2020 12:00:00 AM	Tailspin Toys (Head Office)	Novelty Shop
2	Customer20200104.csv	2	1/1/2020 12:00:00 AM	Tailspin Toys (Sylvanite, MT)	Novelty Shop
3	Customer20200104.csv	3	1/1/2020 12:00:00 AM	Tailspin Toys (Peeples Valley, AZ)	Novelty Shop
4	Customer20200104.csv	4	1/4/2020 12:00:00 AM	Tailspin Toys (Medicine Lodge, KS)	Novelty Shop
5	Customer20200104.csv	5	1/4/2020 12:00:00 AM	Tailspin Toys (Gasport, NY)	Novelty Shop
6	Customer20200104.csv	6	1/4/2020 12:00:00 AM	Tailspin Toys (Jessie, ND)	Novelty Shop
7	Customer20200104.csv	7	1/4/2020 12:00:00 AM	Tailspin Toys (Frankewing, TN)	Novelty Shop
8	Customer20200104.csv	8	1/4/2020 12:00:00 AM	Tailspin Toys (Bow Mar, CO)	Novelty Shop
9	Customer20200104.csv	9	1/4/2020 12:00:00 AM	Tailspin Toys (Netcong, NJ)	Novelty Shop
10	Customer20200104.csv	10	1/4/2020 12:00:00 AM	Tailspin Toys (Wimbledon, ND)	Novelty Shop
11	Customer20200112.csv	1	1/12/2020 12:00:00 AM	Tailspin Toys (Head Office)	Novelty Shop
12	Customer20200112.csv	2	1/12/2020 12:00:00 AM	Tailspin Toys (Sylvanite, MT)	Novelty Shop
13	Customer20200112.csv	3	1/12/2020 12:00:00 AM	Tailspin Toys (Peeples Valley, AZ)	Novelty Shop
14	Customer20200112.csv	4	1/12/2020 12:00:00 AM	Tailspin Toys (Medicine Lodge, KS)	Novelty Shop
15	Customer20200112.csv	5	1/12/2020 12:00:00 AM	Tailspin Toys (Gasport, NY)	Novelty Shop
16	Customer20200112.csv	2	1/22/2020 12:00:00 AM	Tailspin Toys (Sylvanite, MT)	Novelty Shop
17	Customer20200112.csv	7	1/22/2020 12:00:00 AM	Tailspin Toys (Frankewing, TN)	Novelty Shop
18	Customer20200112.csv	8	1/22/2020 12:00:00 AM	Tailspin Toys (Bow Mar, CO)	Novelty Shop
19	Customer20200112.csv	9	1/22/2020 12:00:00 AM	Tailspin Toys (Netcong, NJ)	Novelty Shop
20	Customer20200112.csv	10	1/22/2020 12:00:00 AM	Tailspin Toys (Wimbledon, ND)	Novelty Shop

You need to keep only the last modified row for each customer ID.

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
Filter the Customer query on Modified Date is Latest.	
Merge the CustomerGrouped query into the Customer query based on Customer ID and Modified Date by using a left outer join.	
Remove duplicates in the Customer ID column.	
Duplicate the Customer query and name the new query CustomerGrouped.	
Group the CustomerGrouped query by Customer ID and output the max Modified Date value into a column named Modified Date.	
Merge the two queries based on Customer ID and Modified Date by using an inner join.	

- A. Mastered
B. Not Mastered

Answer: A

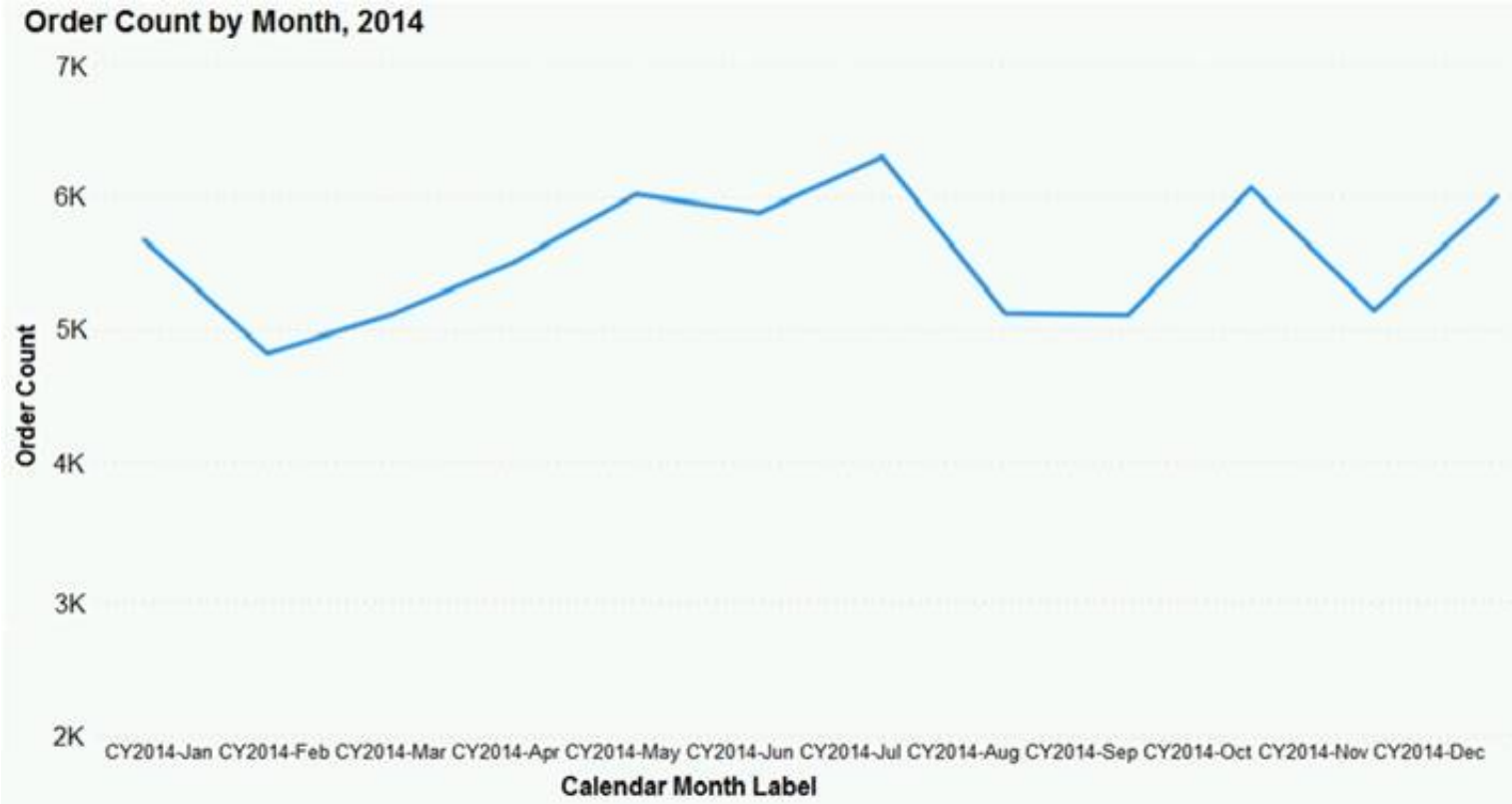
Explanation:

- 1) Duplicate Customer query
- 2) Group by CustId by Max ModifiedDate (only 2 columns to keep)
- 3) Merge two queries on CustId and ModifiedDate inner join (to retrieve other customer informations related to latest Date)

NEW QUESTION 5

- (Exam Topic 4)

You have the line chart shown in the exhibit. (Click the Exhibit tab.)



You need to modify the chart to meet the following requirements:

- Identify months that have order counts above the mean.
- Display the mean monthly order count.

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
Create a 12-month rolling average quick measure and add the measure to the line chart value.	
From the Analytics pane, add a Median line.	
Select the line chart.	
From the Analytics pane, add an Average line.	
Turn on data labels for the new line.	

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Actions	Answer Area
Create a 12-month rolling average quick measure and add the measure to the line chart value.	Select the line chart.
From the Analytics pane, add a Median line.	From the Analytics pane, add an Average line.
Select the line chart.	Turn on data labels for the new line.
From the Analytics pane, add an Average line.	
Turn on data labels for the new line.	

NEW QUESTION 6

- (Exam 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 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

Answer: B

NEW QUESTION 7

- (Exam 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 8

- (Exam 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 9

- (Exam 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 10

- (Exam Topic 2)

You need to calculate the last day of the month in the balance sheet data to ensure that you can relate the balance sheet data to the Date table. Which type of calculation and which formula should you use? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Answer Area

Type of calculation:

▼
A DAX calculated column
A DAX calculated measure
An M custom column

Formula:

▼
Date.EndOfMonth(#date([Year], [Month], 1))
Date.EndOfQuarter(#date([Year], [Month], 1))
ENDOFQUARTER(DATE('BalanceSheet'[Year],BalanceSheet[Month],1),0)

- A. Mastered
 B. Not Mastered

Answer: A

Explanation:

Box 1: A DAX Calculated measure

Box 2: Date.EndOfQuarter(#date([Year],[Mont],1))

ENDOFQUARTER returns the last date of the quarter in the current context for the specified column of dates. The following sample formula creates a measure that returns the end of the quarter, for the current context.

= ENDOFQUARTER(DateTime[DateKey]) Reference:

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

NEW QUESTION 10

- (Exam Topic 1)

You need to create the required relationship for the executive's visual. What should you do before you can create the relationship?

- A. Change the data type of Sales[region_id] to Whole Number.
 B. In the Sales table, add a measure for sum(sales_amount).
 C. Change the data type of sales[sales_id] to Text.
 D. Change the data type of sales [region_id] to Decimal Number.

Answer: A

Explanation:

Scenario: Executives require a visual that shows sales by region.

Need to change the sales_id column from Varchar to Whole Number (Integer).

NEW QUESTION 15

- (Exam Topic 1)

You need to create a calculated column to display the month based on the reporting requirements. Which DAX expression should you use?

- A. FORMAT('Date'[date], "MMM YYYY")
 B. FORMAT('Date' [date], "M YY")
 C. FORMAT('Date'[date_id], "MMM") & "" & FORMAT('Date'[year], "#")
 D. FORMAT('Date' [date_id], "MMM YYYY")

Answer: A

NEW QUESTION 19

- (Exam Topic 1)

You need to create relationships to meet the reporting requirements of the customer service department. What should you create?

- A. an additional date table named ShipDate, a one-to-many relationship from Sales[sales_date_id] to Date[date_id], and a one-to-many relationship from Sales[sales_ship_date_id] to ShipDate[date_id]
 B. an additional date table named ShipDate, a many-to-many relationship from Sales[sales_date_id] to Date[date_id], and a many-to-many relationship from Sales[sales_ship_date_id] to ShipDate[date_id]
 C. a one-to-many relationship from Date[date_id] to Sales[sales_date_id] and another one-to-many relationship from Date[date_id] to Weekly_Returns[week_id]
 D. a one-to-many relationship from Sales[sales_date_id] to Date[date_id] and a one-to-many relationship from Sales[sales_ship_date_id] to Date[date_id]
 E. a one-to-many relationship from Date[date_id] to Sales[sales_date_id] and another one-to-many relationship from Date[date_id] to Sales[sales_ship_date_id]

Answer: A

Explanation:

Scenario: The customer service department requires a visual that can be filtered by both sales month and ship month independently.

Reference:

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

NEW QUESTION 22

- (Exam Topic 1)

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

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

Answer Area

Visualization type:	<div><div>▼</div><div>Card</div><div>Donut chart</div><div>Gauge</div><div>Key influencers</div><div>KPI</div></div>
Indicator:	<div><div>▼</div><div>Date[month]</div><div>Sales[sales_amount]</div><div>Sales[sales_id]</div><div>Targets[sales_target]</div><div>Weekly_Returns[total_returns]</div></div>
Trend axis:	<div><div>▼</div><div>Date[month]</div><div>Sales[sales_amount]</div><div>Sales[sales_id]</div><div>Targets[sales_target]</div><div>Weekly_Returns[total_returns]</div></div>
Target goals:	<div><div>▼</div><div>Date[month]</div><div>Sales[sales_amount]</div><div>Sales[sales_id]</div><div>Targets[sales_target]</div><div>Weekly_Returns[total_returns]</div></div>

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Scenario: The sales managers require a visual to analyze sales performance versus sales targets.

Box 1: KPI

A Key Performance Indicator (KPI) is a visual cue that communicates the amount of progress made toward a measurable goal.

Box 2: Sales[sales_amount]

Box 3: Date[month]

Time > FiscalMonth. This value will represent the trend. Box 4: Targets[sales_target]

Reference:

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

NEW QUESTION 24

- (Exam Topic 1)

You need to create a relationship between the Weekly_Returns table and the Date table to meet the reporting requirements of the regional managers. What should you do?

- A. In the Weekly_Returns table, create a new calculated column named date-id in a format of yyyyymmdd and use the calculated column to create a relationship to the Date table.
B. Add the Weekly_Returns data to the Sales table by using related DAX functions.
C. Create a new table based on the Date table where date-id is unique, and then create a many-to-many relationship to Weekly_Return.

Answer: A

Explanation:

Scenario: Region managers require a visual to analyze weekly sales and returns. To relate the two tables we need a common column.

NEW QUESTION 25

- (Exam Topic 1)

What should you create to meet the reporting requirements of the sales department?

- A. a measure that uses a formula of SUM (Sales [sales_id])
B. a calculated column that use a formula of COUNTA(sales [sales_id])
C. a measure that uses a formula of COUNTROWS (Sales)
D. a calculated column that uses a formula of SUM (Sales [sales_id])

Answer: C

Explanation:

The sale department requires reports that contain the number of sales transactions.

The COUNTROWS function counts the number of rows in the specified table, or in a table defined by an expression.

Reference:

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

NEW QUESTION 28

- (Exam Topic 4)

You have the following three versions of an Azure SQL database:

- Test
- Production
- Development

You have a dataset that uses the development database as a data source.

You need to configure the dataset so that you can easily change the data source between the development, test, and production database servers from powerbi.com. Which should you do?

- A. Create a JSON file that contains the database server name
- B. Import the JSON file to the dataset.
- C. Create a parameter and update the queries to use the parameter.
- D. Create a query for each database server and hide the development tables.
- E. Set the data source privacy level to Organizational and use the ReplaceValue Power Query M function.

Answer: B

Explanation:

<https://docs.microsoft.com/en-us/learn/modules/create-manage-workspaces-power-bi/4-development-lifecycle-s>

NEW QUESTION 33

- (Exam Topic 4)

You have multiple dashboards.

You need to ensure that when users browse the available dashboards from powerbi.com, they can see which dashboards contain Personally Identifiable Information (PII). The solution must minimize configuration effort and impact on the dashboard design.

What should you use?

- A. comments
- B. tiles
- C. Microsoft Information Protection sensitivity labels
- D. Active Directory groups

Answer: D

Explanation:

Microsoft Information Protection sensitivity labels provide a simple way for your users to classify critical content in Power BI without compromising productivity or the ability to collaborate.

Sensitivity labels can be applied to datasets, reports, dashboards, and dataflows. Reference:

<https://docs.microsoft.com/en-us/power-bi/admin/service-security-sensitivity-label-overview>

NEW QUESTION 35

- (Exam 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 39

- (Exam Topic 4)

You have two tables named Customers and Invoice in a Power BI model. The Customers table contains the following fields:

- CustomerID
- Customer City
- Customer State
- Customer Name
- Customer Address 1
- Customer Address 2
- Customer Postal Code

The Invoice table contains the following fields:

- Order ID
- Invoice ID
- Invoice Date

- > Customer ID
- > Total Amount
- > Total Item Count

The Customers table is related to the Invoice table through the Customer ID columns. A customer can have many invoices within one month. The Power BI model must provide the following information:

- > The number of customers invoiced in each state last month
- > The average invoice amount per customer in each postal code

You need to define the relationship from the Customers table to the Invoice table. The solution must optimize query performance. What should you configure? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Cardinality:

Many-to-many

Many-to-one

One-to-many

One-to-one

Cross-filter direction:

Both

Single

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: One-to-many

A customer can have many invoices within one month. Box 2: Single

For One-to-many relationships, the cross filter direction is always from the "one" side, and optionally from the "many" side (bi-directional). For Single cross filter direction means "single direction", and Both means "both directions". A relationship that filters in both directions is commonly described as bi-directional.

Reference:

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

NEW QUESTION 43

- (Exam Topic 4)

You are modeling data in table named SalesDetail by using Microsoft Power BI.

You need to provide end users with access to the summary statistics about the SalesDetail data. The users require insights on the completeness of the data and the value distributions.

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

Specify the following query, then close and apply.
-Table.Distinct(#"SalesDetail")

Create a visual for the query table.

Create a parameter that uses a query for the suggested values.

Create a query that uses Common Data Service as a data source.

Specify the following query, then close and apply.
-Table.Profile(#"SalesDetail")

Create a blank query as a data source.

Answer Area

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- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Actions

Specify the following query, then close and apply.
-Table.Distinct("#SalesDetail")

Create a visual for the query table.

Create a parameter that uses a query for the suggested values.

Create a query that uses Common Data Service as a data source.

Specify the following query, then close and apply.
-Table.Profile("#SalesDetail")

Create a blank query as a data source.

Answer Area

Create a blank query as a data source.

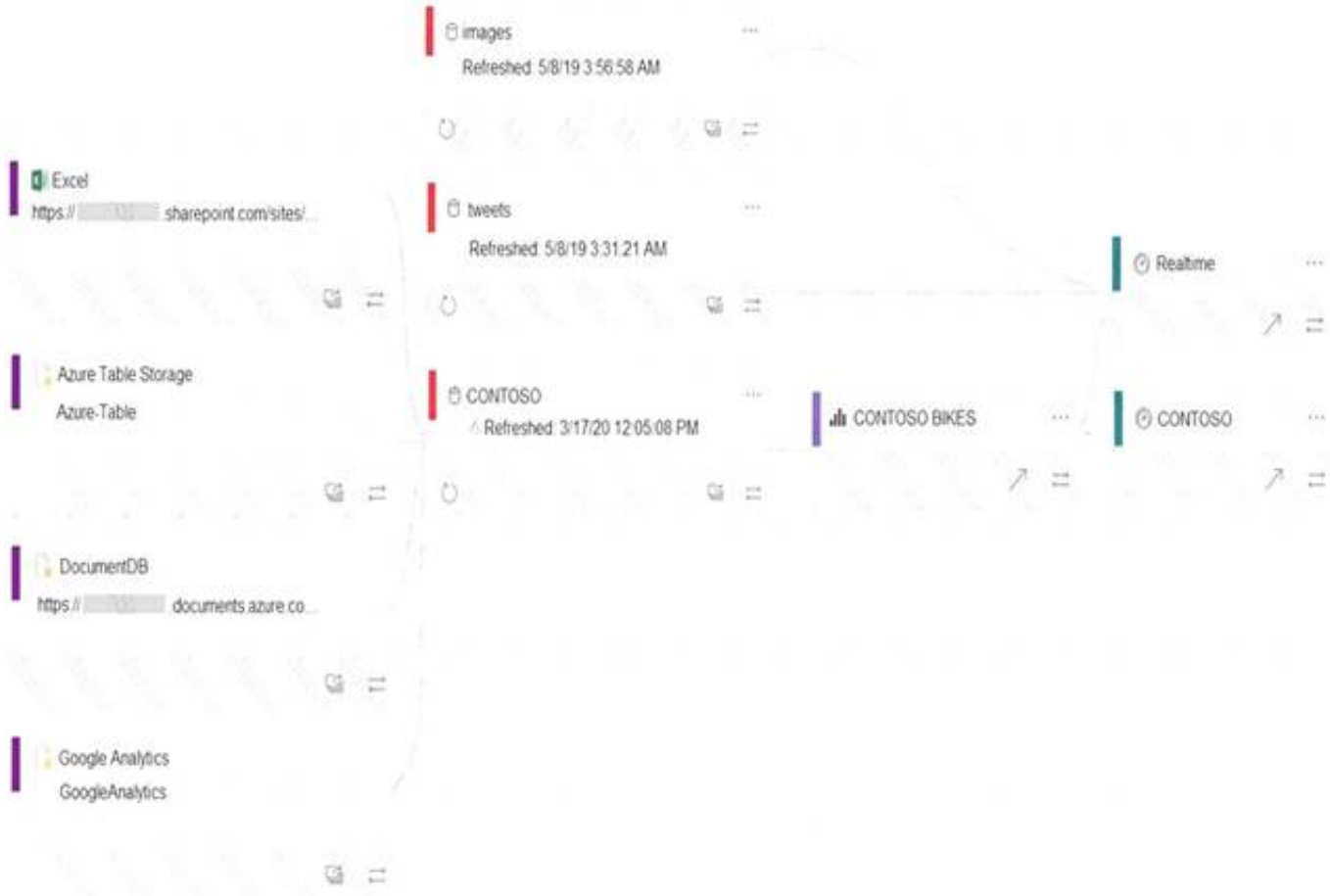
Specify the following query, then close and apply.
-Table.Profile("#SalesDetail")

Create a visual for the query table.

NEW QUESTION 47

- (Exam Topic 4)

You have the data lineage 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.

The CONTOSO dataset is consumed directly by the

CONTOSO BIKES report

CONTOSO dashboard

Realtime dashboard

The Realtime dashboard depends on

one dataset

two datasets

three datasets

four datasets

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Text, table Description automatically generated with medium confidence

Box 1: CONTOSO BIKES report Box 2: three datasets

Images, tweets and the Contoso datasets.

NEW QUESTION 51

- (Exam 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 56

- (Exam Topic 4)

You create a dashboard by using the Microsoft Power BI Service. The dashboard contains a card visual that shows total sales from the current year. You grant users access to the dashboard by using the viewer role on the workspace. A user wants to receive daily notifications of the number shown on the card visual. You need to automate the notifications. What should you do?

- A. Share the dashboard to the user.
- B. Create a subscription.
- C. Create a data alert.
- D. Tag the user in a comment.

Answer: B

Explanation:

You can subscribe yourself and your colleagues to the report pages, dashboards, and paginated reports that matter most to you. Power BI e-mail subscriptions allow you to:

- Decide how often you want to receive the emails: daily, weekly, hourly, monthly, or once a day after the initial data refresh.
- Choose the time you want to receive the email, if you choose daily, weekly, hourly, or monthly. Note: Email subscriptions don't support most custom visuals.

The one exception is those custom visuals that have been certified.

Email subscriptions don't support R-powered custom visuals at this time. Reference:

<https://docs.microsoft.com/en-us/power-bi/collaborate-share/service-report-subscribe> <https://docs.microsoft.com/en-us/power-bi/create-reports/service-set-data-alerts>

NEW QUESTION 57

- (Exam Topic 4)

You have a collection of reports for the HR department of your company.

You need to create a visualization for the HR department that shows a historic employee counts and predicts trends during the next six months.

Which type of visualization should you use?

- A. scatter chart
- B. ribbon chart
- C. line chart
- D. key influences

Answer: C

Explanation:

The best data for forecasting is time series data or uniformly increasing whole numbers. The line chart has to have only one line.

Try forecasting: Try the new forecasting capabilities of Power View today on your own data or with the sample report available as part of the Power BI report samples. To view your own data, upload a workbook with a Power View time series line chart to Power BI for Office 365.

Reference:

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

NEW QUESTION 61

- (Exam Topic 4)

You open a query in Power Query Editor.

You need to identify the percentage of empty values in each column as quickly as possible. Which Data Preview option should you select?

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

Answer: D

Explanation:

Column quality: In this section, we can easily see valid, Error and Empty percentage of data values associated with the Selected table.

Note: In Power Query Editor, Under View tab in Data Preview Section we can see the following data profiling functionalities:

- > Column quality
- > Column distribution
- > Column profile

Reference:

<https://community.powerbi.com/t5/Community-Blog/Data-Profiling-in-Power-BI-Power-BI-Update-April-2019/>

NEW QUESTION 65

- (Exam 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:

Change Type
Delete
Hide
Sort

Employee_photo:

Change Type
Delete
Hide
Sort

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Table Description automatically generated

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.

Reference:

<https://tessellationtech.io/optimizing-power-bi-reports/>

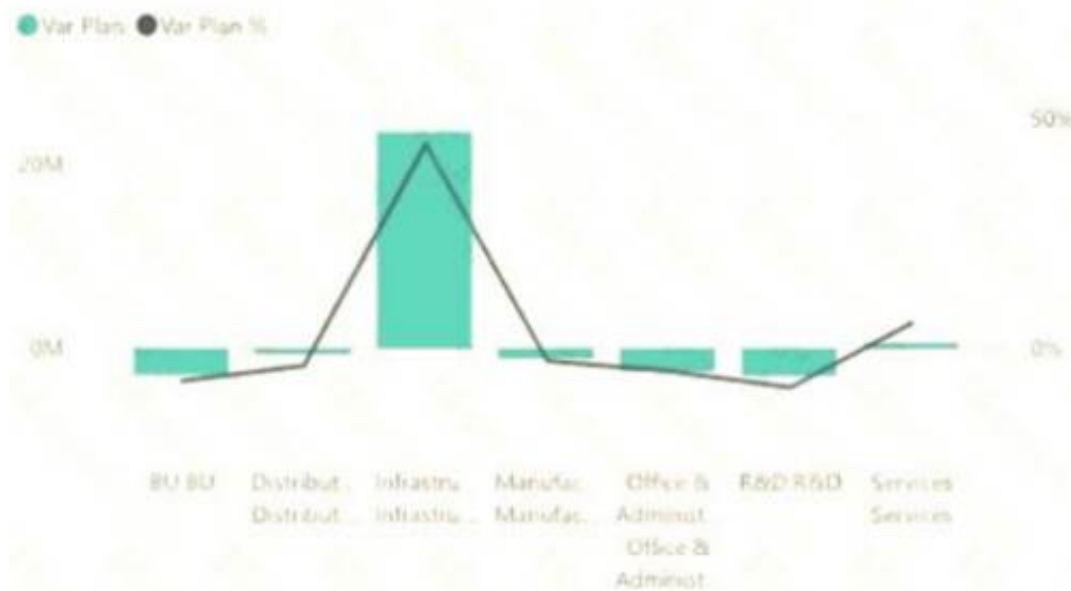
NEW QUESTION 69

- (Exam Topic 4)

You have a Microsoft Power BI dashboard. The report used to create the dashboard uses an imported dataset from a Microsoft SQL Server data source. The dashboard is shown in the exhibit. (Click the Exhibit tab.)

Variance to Plan, Variance to Plan %

BY BUSINESS AREA - REFRESHED: 12.03.06 PM



Amount

BY MONTH, SCENARIO

Scenario: Actual (blue), LE1 (black), LE2 (red), LE3 (yellow), Plan (grey)

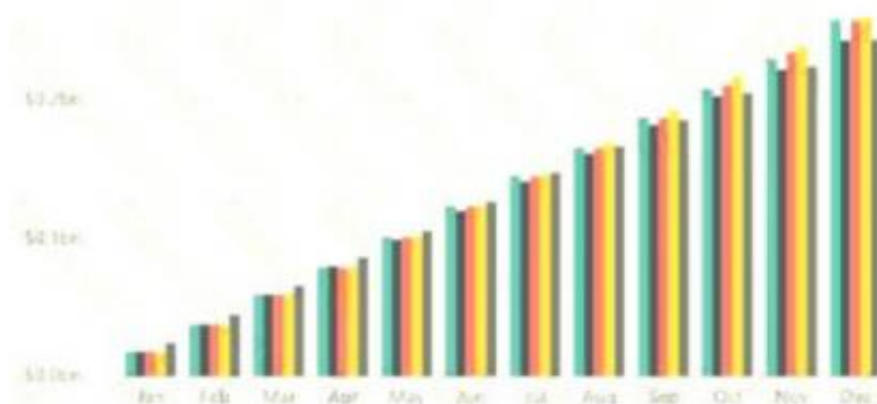
\$0.00M

Amount

BY MONTH, SCENARIO

Scenario: Actual (blue), LE1 (black), LE2 (red), LE3 (yellow), Plan (grey)

\$0.00M



What occurred at 12:03:06 PM?

- A. A user pressed F5
- B. A new transaction was added to the data source.
- C. A user added a comment to a tile.
- D. The dashboard tile cache refreshed.

Answer: D

Explanation:

Reference:

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

NEW QUESTION 73

- (Exam Topic 4)

You have a Power BI dashboard that monitors the quality of manufacturing processes. The dashboard contains the following elements:

- > A line chart that shows the number of defective products manufactured by day.
- > A KPI visual that shows the current daily percentage of defective products manufactured.

You need to be notified when the daily percentage of defective products manufactured exceeds 3%. What should you create?

- A. a Q&A visual
- B. a subscription
- C. a smart narrative visual
- D. an alert

Answer: D

NEW QUESTION 76

- (Exam Topic 4)

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.

Answer Area

Create a one-to-many relationship between the Sales Employees table and the Customer Details worksheet

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Create a one-to-many relationship between the Sales Employees table and the Customer Details worksheet

NEW QUESTION 77

- (Exam Topic 4)

You publish a Microsoft Power BI dataset to powerbi.com. The dataset appends data from an on-premises Oracle database and an Azure SQL database by using one query.

You have admin access to the workspace and permission to use an existing On-premises data gateway for which the Oracle data source is already configured.

You need to ensure that the data is updated every morning. The solution must minimize configuration effort. Which two actions should you perform when you configure scheduled refresh? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Configure the dataset to use the existing On-premises data gateway.
- B. Deploy an On-premises data gateway in personal mode.
- C. Set the refresh frequency to Daily.
- D. Configure the dataset to use the personal gateway.

Answer: AC

Explanation:

<https://docs.microsoft.com/en-us/power-bi/connect-data/service-gateway-personal-mode>

NEW QUESTION 81

- (Exam 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 86

- (Exam 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

Expand the columns.

Expand the records.

Add columns that use data type conversions.

Set the data types.

Convert the list to a table.

Answer Area

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:
Here is an example: <https://youtu.be/B4kzyxnhQfI> The definition of the function which expand columns:
<https://docs.microsoft.com/en-us/powerquery-m/table-expandrecordcolumn>

NEW QUESTION 88

- (Exam Topic 4)
You are creating a Microsoft Power BI model that has two tables named CityData and Sales. CityData contains only the data shown in the following table.

State (CityData)	City	Population (million)
CA	Los Angeles	4.00
CA	San Francisco	0.90
New York	New York	8.50
WA	Seattle	0.70
WA	Spokane	0.20

Sales contains only the data shown in the following table.

State (Sales)	Type	Sales
CA	Internet	60
CA	Store	80
TX	Store	400
WA	Internet	150
WA	Store	100

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

In the Sales table, you can write a DAX expression that uses the RELATED() function to get data from the CityData table.

A DAX expression of sales total =CALCULATE(SUM(Sales[Sales]),ALL(Sales)) will produce the correct total sales value for each state, based on the data model.

A table visualization that uses cityData[State] and sales[sales] will contain sales from the state of TX.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:
Text Description automatically generated
Box 1: Yes
The Related function returns a related value from another table.
The RELATED function requires that a relationship exists between the current table and the table with related information. You specify the column that contains the data that you want, and the function follows an existing many-to-one relationship to fetch the value from the specified column in the related table. If a relationship does not exist, you must create a relationship.
Box 2: Yes

Box 3: No

TX only occurs in the Sales table, but not in the CityData table. Reference:

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

NEW QUESTION 89

- (Exam Topic 4)

You need to design the data model to meet the report requirements. What should you do in 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 table.
- 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: D

NEW QUESTION 94

- (Exam Topic 4)

You need to create a visualization that compares revenue and cost over time. Which type of visualization should you use?

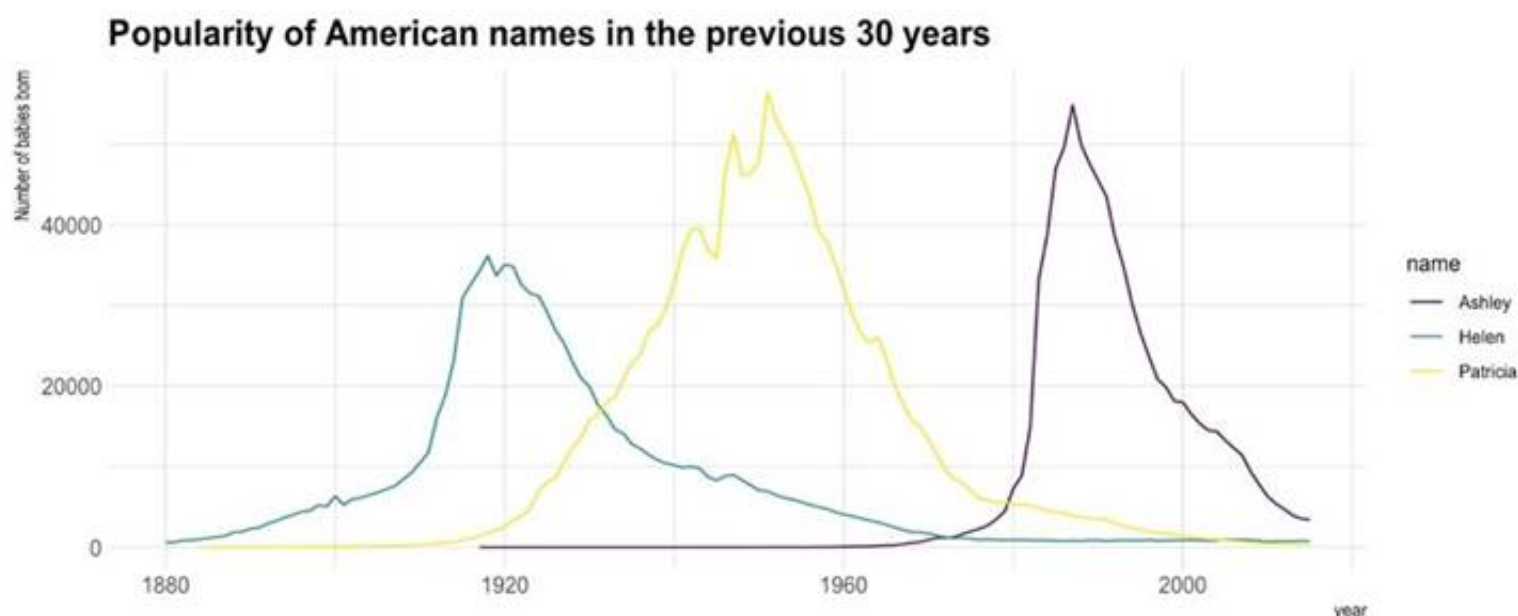
- A. stacked area chart
- B. donut chart
- C. line chart
- D. waterfall chart

Answer: C

Explanation:

A line chart or line graph displays the evolution of one or several numeric variables. Data points are connected by straight line segments. A line chart is often used to visualize a trend in data over intervals of time – a time series – thus the line is often drawn chronologically.

Example:



Reference:

<https://www.data-to-viz.com/graph/line.html>

NEW QUESTION 96

- (Exam Topic 4)

You have a Power BI report. The report contains visualizations that have interactions. You need to identify which visualizations take the longest to complete. What should you use?

- A. SQL Server Profiler
- B. Performance Analyzer in Power BI Desktop
- C. Query Diagnostics in Power BI
- D. Microsoft Edge DevTools

Answer: B

Explanation:

Use Power BI Desktop Performance Analyzer to optimize reports.

In Power BI Desktop you can find out how each of your report elements, such as visuals and DAX formulas, are performing. Using the Performance Analyzer, you can see and record logs that measure how each of your report elements performs when users interact with them, and which aspects of their performance are most (or least) resource intensive.

Reference:

<https://docs.microsoft.com/en-us/power-bi/create-reports/desktop-performance-analyzer>

NEW QUESTION 100

- (Exam Topic 4)

You have a Power BI dataset that contains a table named Temperature Readings. Temperature Readings contains the columns shown in the following table.

Name	Data type	Value example
DateTime	DateTime	4-Aug-2020 13:30:01
Longitude	Decimal	10.049567988755534
Latitude	Decimal	53.462766759577057
TempCelsius	Decimal	12.5

The table has 12 million rows. All the columns are needed for analysis.
You need to optimize the dataset to decrease the model size. The solution must not affect the precision of the data.
What should you do?

- A. Split the DateTime column into separate date and time columns.
- B. Disable the Power Query load.
- C. Round the Longitude column two decimal places.
- D. Change the data type of the TempCelsius column to Integer

Answer: B

Explanation:

Disable Power Query load.

Power Query queries that are intended support data integration with other queries should not be loaded to the model. To avoid loading the query to the model, take care to ensure that you disable query load in these instances.

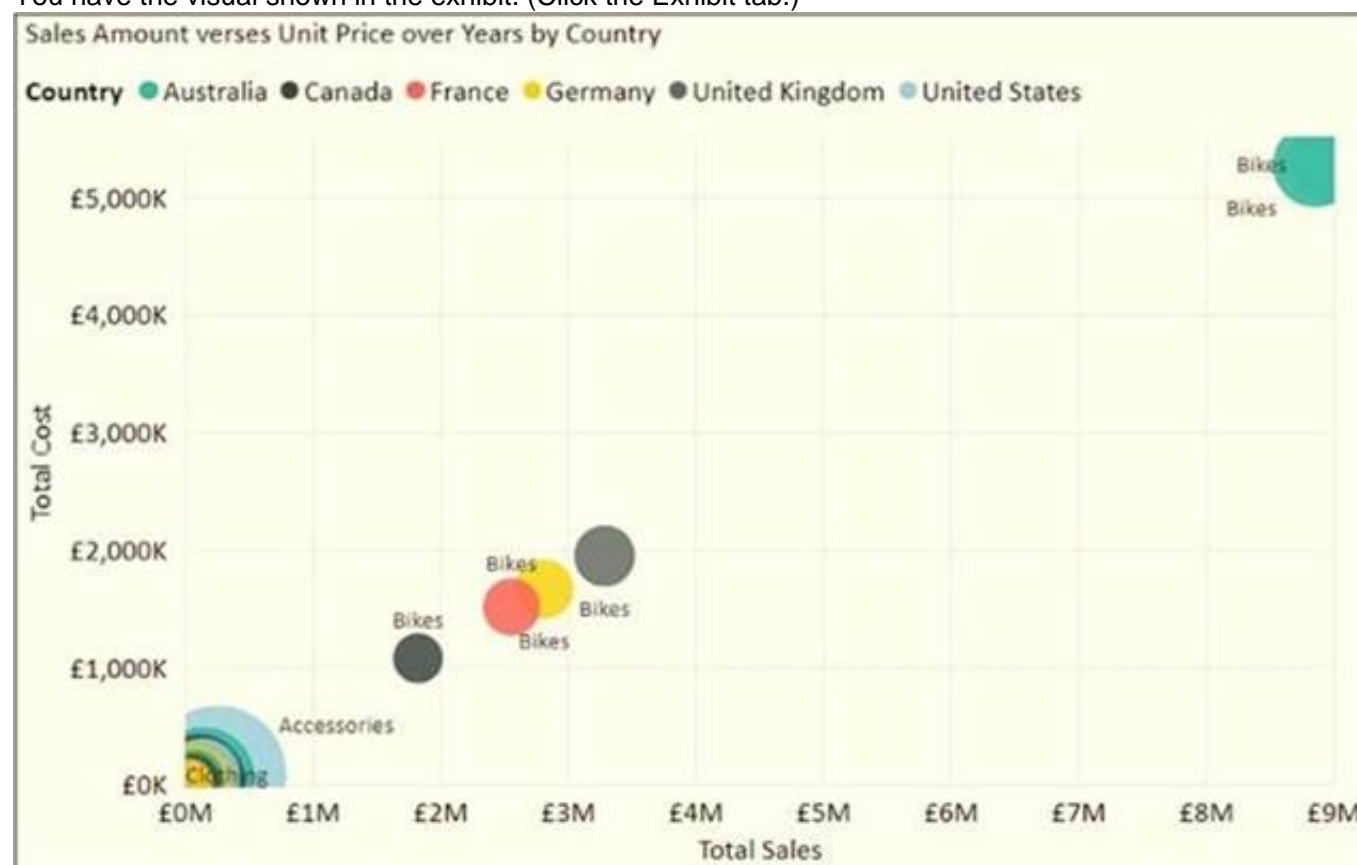
Reference:

<https://docs.microsoft.com/en-us/power-bi/guidance/import-modeling-data-reduction#disable-power-query-quer>

NEW QUESTION 101

- (Exam 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 102

- (Exam Topic 4)

You have a Power BI tenant.

You have reports that use financial datasets and are exported as PDF files. You need to ensure that the reports are encrypted.

What should you implement?

- A. dataset certifications
- B. row-level security (RLS)
- C. sensitivity labels
- D. Microsoft Intune policies

Answer: C

Explanation:

General availability of sensitivity labels in Power BI.

Microsoft Information Protection sensitivity labels provide a simple way for your users to classify critical content in Power BI without compromising productivity or the ability to collaborate. Sensitivity labels can be applied on datasets, reports, dashboards, and dataflows. When data is exported from Power BI to Excel, PowerPoint or PDF files, Power BI automatically applies a sensitivity label on the exported file and protects it according to the label's file encryption settings. This way your sensitive data remains protected no matter where it is.

Reference:

<https://powerbi.microsoft.com/en-us/blog/announcing-power-bi-data-protection-ga-and-introducing-new-capabil>

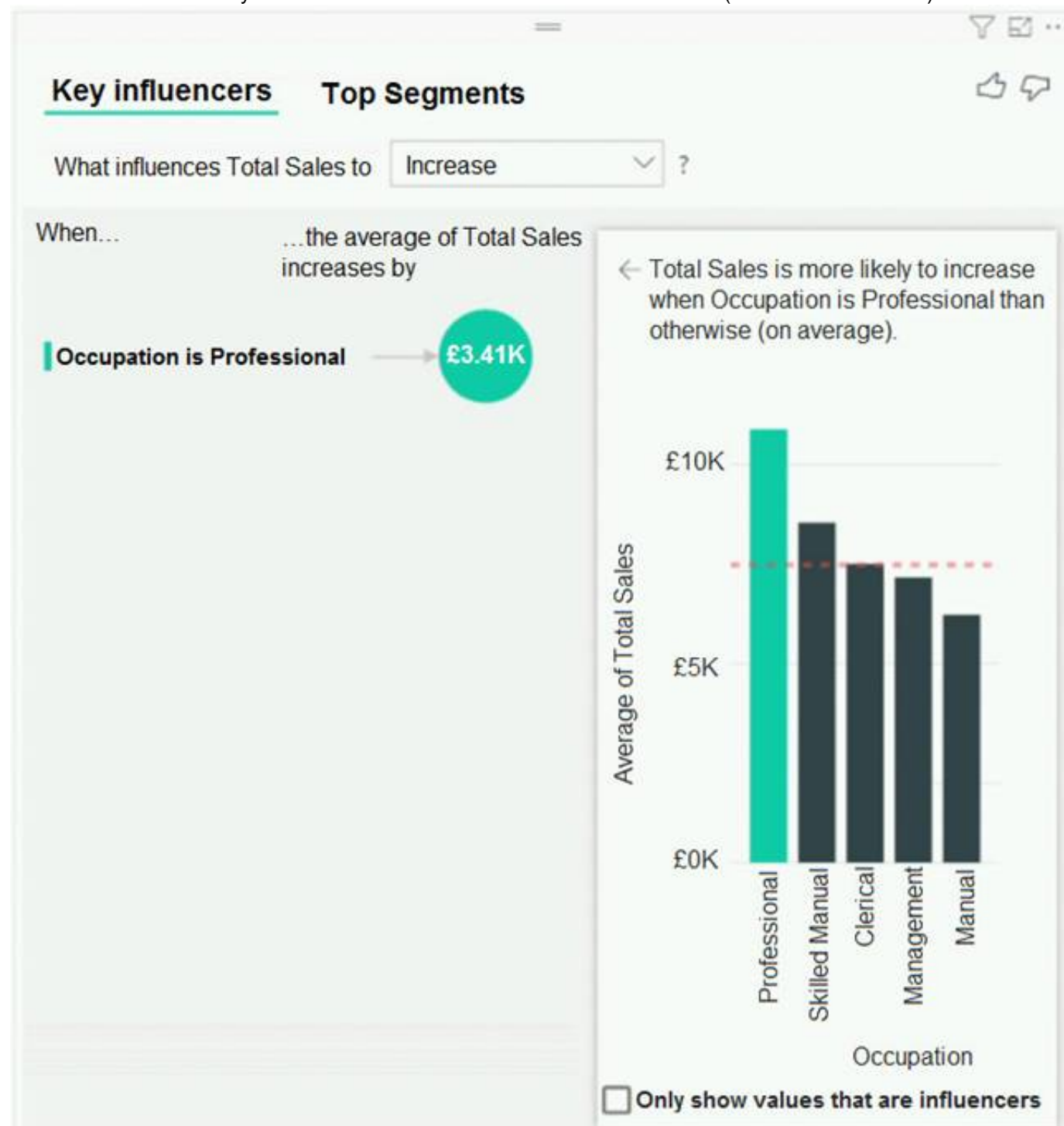
NEW QUESTION 103

- (Exam 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.

Answer Area

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

NEW QUESTION 106

- (Exam 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 109

- (Exam Topic 4)

You build a report to analyze customer transactions from a database that contains the tables shown in the following table.

Table name	Column name
Customer	CustomerID (primary key)
	Name
	State
	Email
Transaction	TransactionID (primary key)
	CustomerID (foreign key)
	Date
	Amount

You import the tables.

Which relationship should you use to link the tables?

- A. one-to-many from Customer to Transaction
- B. one-to-one between Customer and Transaction
- C. one-to-many from Transaction to Customer
- D. many-to-many between Customer and Transaction

Answer: A

Explanation:

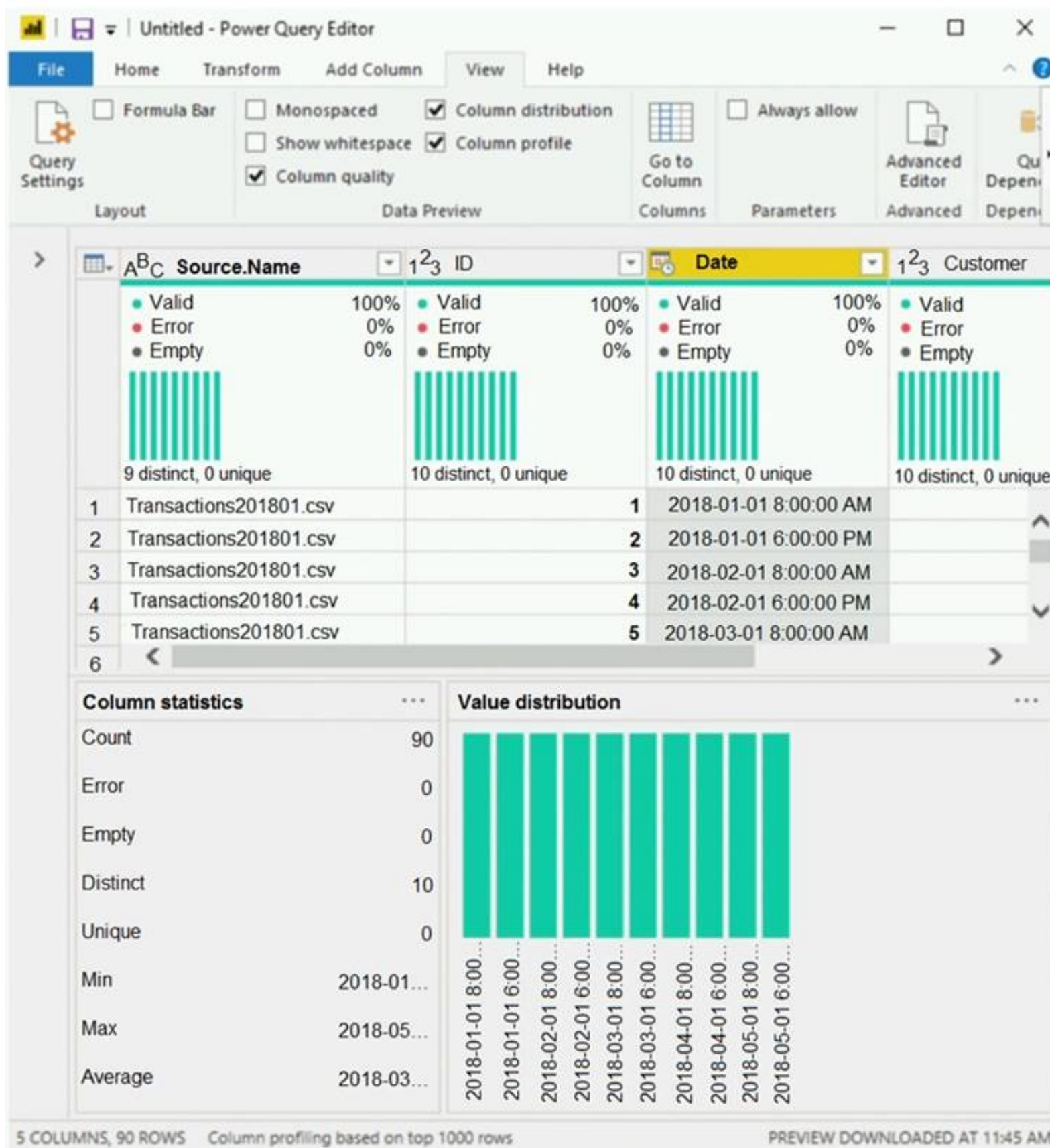
Each customer can have many transactions.

For each transaction there is exactly one customer.

NEW QUESTION 110

- (Exam Topic 4)

You view a query named Transactions as shown in the following exhibit.



The query gets CSV files from a folder.

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

There are [answer choice] CSV files:

▼

9

10

25

90

1,000

Removing duplicates based on the Date column will reduce the dataset to [answer choice] rows:

▼

9

10

25

90

1,000

- A. Mastered
 B. Not Mastered

Answer: A

Explanation:

Box 1: 9
9 distinct CSV files.
Box 2: 10
10 distinct dates.
<https://pediaa.com/what-is-the-difference-between-unique-and-distinct-in-sql/#:~:text=Unique%20and%20Disti>

NEW QUESTION 115

- (Exam Topic 4)

You have an Azure SQL database that contains sales transactions. The database is updated frequently.

You need to generate reports from the data to detect fraudulent transactions. The data must be visible within five minutes of an update.

How should you configure the data connection?

- A. Add a SQL statement.
- B. Set Data Connectivity mode to DirectQuery.
- C. Set the Command timeout in minutes setting.
- D. Set Data Connectivity mode to Import.

Answer: B

Explanation:

With Power BI Desktop, when you connect to your data source, it's always possible to import a copy of the data into the Power BI Desktop. For some data sources, an alternative approach is available: connect directly to the data source using DirectQuery.

DirectQuery: No data is imported or copied into Power BI Desktop. For relational sources, the selected tables and columns appear in the Fields list. For multi-dimensional sources like SAP Business Warehouse, the dimensions and measures of the selected cube appear in the Fields list. As you create or interact with a visualization, Power BI Desktop queries the underlying data source, so you're always viewing current data.

Reference:

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

NEW QUESTION 118

- (Exam 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.

Values

Answer Area

ALL	Product Category % of Total 2 =
ALLSELECTED	<input type="text"/> ([Total Sales],
CALCULATE	<input type="text"/> ([Total Sales] ,
CALCULATETABLE	<input type="text"/> (
CURRENTGROUP	Product [ProductCategoryName])))
DIVIDE	
SUMMARIZE	
TOPN	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Divide, Calculate, AllSelected. Reference:

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

NEW QUESTION 120

- (Exam Topic 4)

You import two Microsoft Excel tables named Customer and Address into Power Query. Customer contains the following columns:

- > Customer ID
- > Customer Name
- > Phone
- > Email Address
- > Address ID

Address contains the following columns:

- Address ID
- Address Line 1
- Address Line 2
- City
- State/Region
- Country
- Postal Code

The Customer ID and Address ID columns represent unique rows.

You need to create a query that has one row per customer. Each row must contain City, State/Region, and Country for each customer. What should you do?

- A. Merge the Customer and Address tables.
- B. Transpose the Customer and Address tables.
- C. Group the Customer and Address tables by the Address ID column.
- D. Append the Customer and Address tables.

Answer: A

Explanation:

There are two primary ways of combining queries: merging and appending.

- When you have one or more columns that you'd like to add to another query, you merge the queries.
- When you have additional rows of data that you'd like to add to an existing query, you append the query.

Reference:

<https://docs.microsoft.com/en-us/power-bi/connect-data/desktop-shape-and-combine-data>

NEW QUESTION 125

- (Exam 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 127

- (Exam Topic 4)

You are creating a quick measure as shown in the following exhibit.

Quick measures

Calculation

Rolling average ▾

Calculate the average of base value over a certain number of periods before and/or after each date.

[Learn more](#)

Base value ⓘ

Add data fields here

Date ⓘ

Add data fields here

Period ⓘ

Days ▾

Periods before ⓘ

1

Periods after ⓘ

0

Fields

Search

- Customer
- Product
- Sales
 - Date
 - Gross Margin
 - Month
 - MonthNumberOfYear
 - Quarter
 - Sales_SRC
 - Time Intelligence
- Total Cost
- Total Order Qty
- Total Sales
- Total Sales rolling average
- Unit Price
- Year

You need to create a monthly rolling average measure for Sales over time-How should you configure the quick measure calculation? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Base value: ▼

Month
Total Cost
Total Order Qty
Total Sales
Year

Date: ▼

Date
Month
Total Sales
Year

Period: ▼

Days
Months
Quarters
Years

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Total Sales

We select the field Total Sales

Box 2: Date Select a date field. Box 3: Month Monthly periods. Reference:

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

NEW QUESTION 132

- (Exam Topic 4)

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.

Name	Sample data
ProductDescription	Bikes > Adventure Works > Mountain Bikes > 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.

Actions

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

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

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.

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

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

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

Answer Area

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Actions

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

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

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.

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

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

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

NEW QUESTION 137

- (Exam Topic 4)
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. scatterplot
- B. bar chart
- C. piechart

Answer: A

NEW QUESTION 141

- (Exam 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 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: In the Power Query M code, you replace references to the Excel file with DataSourceExcel. Does this meet the goal?

- A. Yes
- B. No

Answer: A

Explanation:

Instead modify the source step of the queries to use DataSourceExcel as the file path.

Note: 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 146

- (Exam 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 business questions.

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 151

- (Exam Topic 4)

You have a prospective customer list that contains 1,500 rows of data. The list contains the following fields: ➤ First name

- Last name
- Email address
- State/Region
- Phone number

You import the list into Power Query Editor.

You need to ensure that the list contains records for each State/Region to which you want to target a marketing campaign.

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

- A. Open the Advanced Editor.
- B. Select Column quality.
- C. Enable Column profiling based on entire dataset.
- D. Select Column distribution.
- E. Select Column profile.

Answer: CE

Explanation:

In Power query, the load preview by default is 1000 row. By default, the column quality also only looks at the first 1000 row. You can verify this by the status bar at the bottom of the Power query window. To change the profiling so it analyses the entire column of data, select the profiling status in the status bar. Then select Column profiling based on the entire data set.

<https://theexcelclub.com/data-profiling-views-in-power-query-excel-and-power-bi/>

NEW QUESTION 152

- (Exam Topic 4)

You have a power BI tenant that hosts the datasets shown in the following table.

Name	Contents	Used to generate
Sales	Sales targets Sales data Employee salary data	Daily performance reports Quarterly reports used to calculate bonuses
Operations	Environmental sensor data	Reports that show average sensor readings over time
Finance	Financial transaction data	Budget planning reports Monthly board reports

You have the following requirements:

- The export of reports that contain Personally Identifiable Information (PII) must be prevented.
- Data used for financial decisions must be reviewed and approved before use.

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 Sales dataset requires a sensitivity label.	<input type="radio"/>	<input type="radio"/>
The Operations dataset requires a sensitivity label and must be certified.	<input type="radio"/>	<input type="radio"/>
The Finance dataset requires a sensitivity label and must be certified.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements	Yes	No
The Sales dataset requires a sensitivity label.	<input checked="" type="radio"/>	<input type="radio"/>
The Operations dataset requires a sensitivity label and must be certified.	<input type="radio"/>	<input checked="" type="radio"/>
The Finance dataset requires a sensitivity label and must be certified.	<input checked="" type="radio"/>	<input type="radio"/>

NEW QUESTION 153

- (Exam Topic 4)

You have a Microsoft SharePoint Online site that contains several document libraries. One of the document libraries contains manufacturing reports saved as Microsoft Excel files. All the manufacturing reports have the same data structure.

You need to load only the manufacturing reports to a table for analysis. What should you do in Microsoft Power BI Desktop?

- A. Get data from a SharePoint Online folder, enter the site URL, and then select Combine & Load.
B. Get data from a SharePoint Online list and enter the site UR
C. Edit the query and filter by the path to the manufacturing reports library.
D. Get data from a SharePoint Online folder and enter the site UR
E. Edit the query and filter by the path to the manufacturing reports library.
F. Get data from a SharePoint Online list, enter the site URL, and then select Combine & Load.

Answer: C

Explanation:

Example:

My SharePoint site root url is <https://powerbipanama.sharepoint.com/>, but all of my files are actually in another site that starts with <https://powerbipanama.sharepoint.com/sites/externalsales/> URL.

In order to use the correct URL, we need to be in the folder of the data that we're trying to get and check the url that our browser shows. If it has the if it starts with the format of <https://<site address>/sites/<sitename>/> then we need to use that url, otherwise we use the much simpler <https://<site address>>

In my own case, I'll be using the <https://powerbipanama.sharepoint.com/sites/externalsales> url in order to connect to my site.

Reference:

<https://powerbi.microsoft.com/sv-se/blog/combining-excel-files-hosted-on-a-sharepoint-folder/>

NEW QUESTION 156

- (Exam Topic 4)

You have a large dataset that contains more than 1 million rows. The table has a datetime column named Date.

You need to reduce the size of the data model. What should you do?

- A. Round the hour of the Date column to startOfHour.
B. Change the data type of the Date column to Text.
C. Trim the Date column.
D. Split the Date column into two columns, one that contains only the time and another that contains only the date.

Answer: D

Explanation:

We have to separate date & time tables. Also, we don't need to put the time into the date table, because the time is repeated every day.

Split your DateTime column into a separate date & time columns in fact table, so that you can join the date to the date table & the time to the time table. The time need to be converted to the nearest round minute or second so that every time in your data corresponds to a row in your time table.

Reference:

<https://intellipaat.com/community/6461/how-to-include-time-in-date-hierarchy-in-power-bi>

NEW QUESTION 158

- (Exam 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 use active relationships between both Date tables.
- 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. Create an active relationship between Sales and Date for the purchase date and an inactive relationship for the ship date.

Answer: D

Explanation:

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>

NEW QUESTION 161

- (Exam Topic 4)

You create the following step by using Power Query Editor.

```
= Table.ReplaceValue(SalesLT_Address,"1318","1319",Replacer.ReplaceText,{"AddressLine1"})
```

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 = "world"]  
    }  
),  
    "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

- (Exam Topic 4)

You have a collection of reports for the HR department of your company. The datasets use row-level security (RLS). The company has multiple sales regions that each has an HR manager. You need to ensure that the HR managers can interact with the data from their region only. The HR managers must be prevented from changing the layout of the reports. How should you provision access to the reports for the HR managers?

- A. Create a new workspace, copy the datasets and reports, and add the HR managers as members of the workspace.
- B. Publish the reports to a different workspace other than the one hosting the datasets.
- C. Publish the reports in an app and grant the HR managers access permission.
- D. Add the HR managers as members of the existing workspace that hosts the reports and the datasets.

Answer: C

Explanation:

Note: Row-level security (RLS) with Power BI can be used to restrict data access for given users. Filters restrict data access at the row level, and you can define filters within roles. In the Power BI service, members of a workspace have access to datasets in the workspace. RLS doesn't restrict this data access.

Reference:

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

NEW QUESTION 168

- (Exam Topic 4)
You have a query that returns the data shown in the following exhibit.

	student	classes
1	Mike A	Math,English,Art
2	Sam B	Physics
3	Kathy S	English, Math

You need to configure the query to display the data as shown in the following exhibit.

	student	classes
1	Mike A	Math
2	Mike A	English
3	Mike A	Art
4	Sam B	Physics
5	Kathy S	English
6	Kathy S	Math

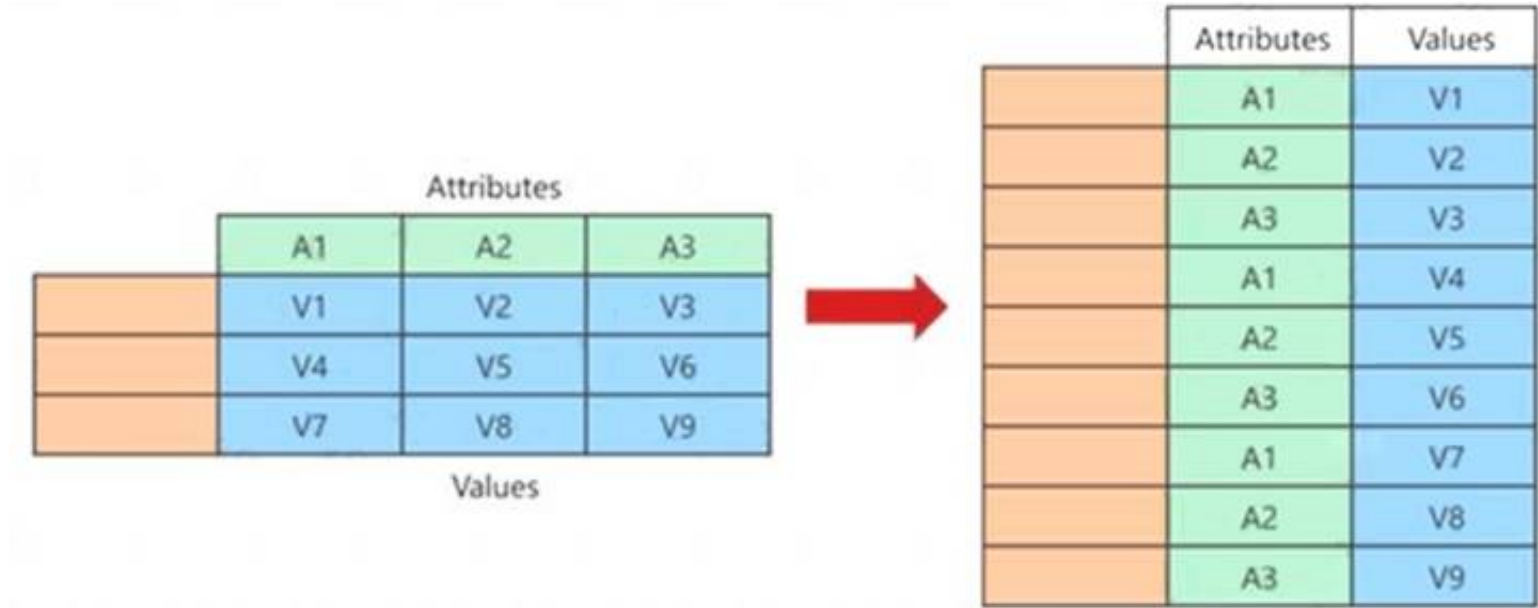
Which step should you use in the query?

- A. =Table.ExpandListColumn(Table.TransformColumnns(Source, {"classes".Splitter.SplitTextByDelimiter(",", QuoteStyle.None), let itemType - (type nullable text) meta [Serialized.Text = true] in type {itemType}}), "classes")
B. = Table.Unpivot(Source, {"classes"}, "Attribute", "Value")
C. = Table.SplitColumn(Source, "classes". Splitter.SplitTextByDelimiterf",", QuoteStyle.None),{"classes.1"})
D. = Table.SplitColumn(Source, "classes". Splitter.SplitTextByPositions({10}), {"classes.1"})

Answer: B

Explanation:

Power Query Unpivot columns: You might want to unpivot data, sometimes called flattening the data, to put it in a matrix format so that all similar values are in one column. This is necessary, for example, to create a chart or a report.
Chart Description automatically generated



Note:
Syntax: Table.Unpivot(table as table, pivotColumns as list, attributeColumn as text, valueColumn as text) as table
Table.Unpivot translates a set of columns in a table into attribute-value pairs, combined with the rest of the values in each row.
Reference:
<https://docs.microsoft.com/en-us/power-query/unpivot-column> <https://docs.microsoft.com/en-us/powerquery-m/table-unpivot>

NEW QUESTION 171

- (Exam 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 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 add a Power Apps custom visual to the report. Does this meet the goal?

- A. Yes
B. No

Answer: A

NEW QUESTION 173

- (Exam Topic 4)
You have a dataset named Pens that contains the following columns:
> Unit Price
> Quantity Ordered

You need to create a visualization that shows the relationship between Unit Price and Quantity Ordered. The solution must highlight orders that have a similar unit price and ordered quantity.
Which type of visualization and which feature should you use? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Answer Area

Visualization:

A column chart of Quantity Ordered and Unit Price by year

A line chart of Quantity Ordered and Unit Price by item

A scatter plot of Quantity Ordered and Unit Price by item

Feature:

Automatically find clusters

Explain the decrease

Find where the distribution is different

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: A scatter plot...

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

Box 2: Automatically find clusters

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

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

NEW QUESTION 177

- (Exam Topic 4)
You are creating a column chart visualization.
You configure groups as shown in the Groups exhibit. {Click the Groups tab.)

Groups

Name:

Field:

Group type:

Bin

Bin Type:

Number of bins

Min value:

Max value:

Binning splits numeric or date/time data by an amount you specify. The default bin count is calculated based on your data.

Bin count:

Bin size:

Reset to default

OK

Cancel

The visualization appears as shown in the Chart exhibit. (Click the Chart tab.)

Count of Sepal.Width by Sepal.Width (bins)



Sepal.Width (bins)	Count of Sepal.Width
2.0	4
2.25	7
2.5	22
2.75	24
3.0	37
3.25	31
3.5	10
3.75	11
4.0	2
4.25	2

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

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Answer Area

Statements	Yes	No
The data is segmented into 10 groups.	<input type="radio"/>	<input type="radio"/>
The data was split into deciles.	<input type="radio"/>	<input type="radio"/>
To increase the bin size, you must decrease the bin count.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements	Yes	No
The data is segmented into 10 groups.	<input checked="" type="radio"/>	<input type="radio"/>
The data was split into deciles.	<input checked="" type="radio"/>	<input type="radio"/>
To increase the bin size, you must decrease the bin count.	<input type="radio"/>	<input checked="" type="radio"/>

NEW QUESTION 178

- (Exam Topic 4)

You have the dataset shown in the following exhibit.

City	Sales Profit
Abbottsburg	\$173,947
Absecon	\$129,358
Accomac	\$157,768
Aceitunas	\$119,283
Airport Drive	\$162,500
Akhiok	\$259,554
Alcester	\$127,040
Alden Bridge	\$152,138
Alstead	\$106,147
Amado	\$136,718
Amanda Park	\$117, 444
Andrix	\$130,710
Annamoriah	\$139,499
Antares	\$147,562
Antonio	\$113,056
Total	\$85,729,181

You need to ensure that the visual shows only the 10 cities that have the highest sales profit. What should you do?

- A. Add a Top N filter to the visual.
B. Configure the Sales Profit measure to use the RANKX function.
C. Add a calculated column to the table that uses the TOPN function.
D. In the visual, replace Sales Profit with the calculated column.
E. Add a calculated column to the table that returns the city name if the city is in the top 10, otherwise the calculated column will return "Not in Top 10". In the visual, replace Sales Profit with the calculated column.

Answer: A

Explanation:

Power BI Top N Filters are useful to display the top performing records, and Bottom N filters are helpful to display the least performing records. For example, we can display top or bottom 10 products by orders or sales.

Note:

- Select the Column you want to display the Top Sales Profit
- Then change the Filter Type of that Column to Top N
- Fill in Top / Bottom number field
- And lastly drag to the By Value field your Sales Profit Reference:

<https://www.tutorialgateway.org/power-bi-top-10-filters/>

NEW QUESTION 182

- (Exam 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 187

- (Exam Topic 4)

You are enhancing a Power BI model that has DAX calculations.

You need to create a measure that returns the year-to-date total sales from the same date of the previous calendar year.

Which DAX functions should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Sales PYTD =

VAR startyear =

STARTOFYEAR (PREVIOUSYEAR ('Date' [Date]))

VAR enddate =

LASTDATE (Sales[Date]) - 365

RETURN

▼ (Sales[Sales]),

CALCULATE (
DATESBETWEEN (
SAMEPERIODLASTYEAR (
SLIM (

▼ ('Calendar' [Date], startyear, enddate)

CALCULATE
DATESBETWEEN
SAMEPERIODLASTYEAR
SLIM

)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Reference:

<https://www.kasperonbi.com/get-the-ytd-of-the-same-period-last-year/>

NEW QUESTION 192

- (Exam Topic 4)

You have a report that contains four pages. Each page contains slicers for the same four fields. Users report that when they select values on a slicer on one page, the visuals are not updated on all the pages. You need to recommend a solution to ensure that users can select a value once to filter the results on all the pages.

What are two possible recommendations to achieve this goal? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

- A. Sync the slicers across the pages.
- B. Replace the slicers with page-level filters.
- C. Replace the slicers with visual-level filters.

- D. Create a bookmark for each slicer value.
- E. Replace the slicers with report-level filters.

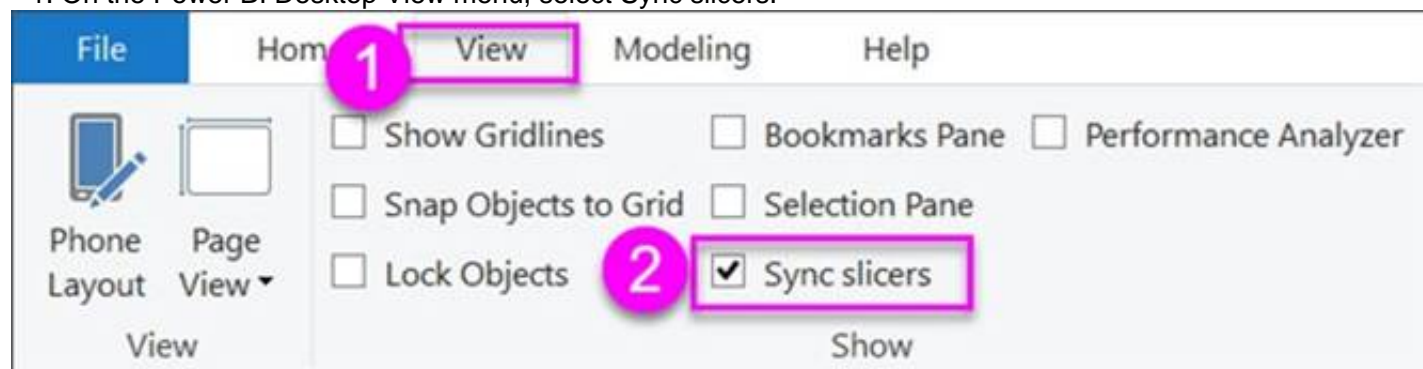
Answer: AE

Explanation:

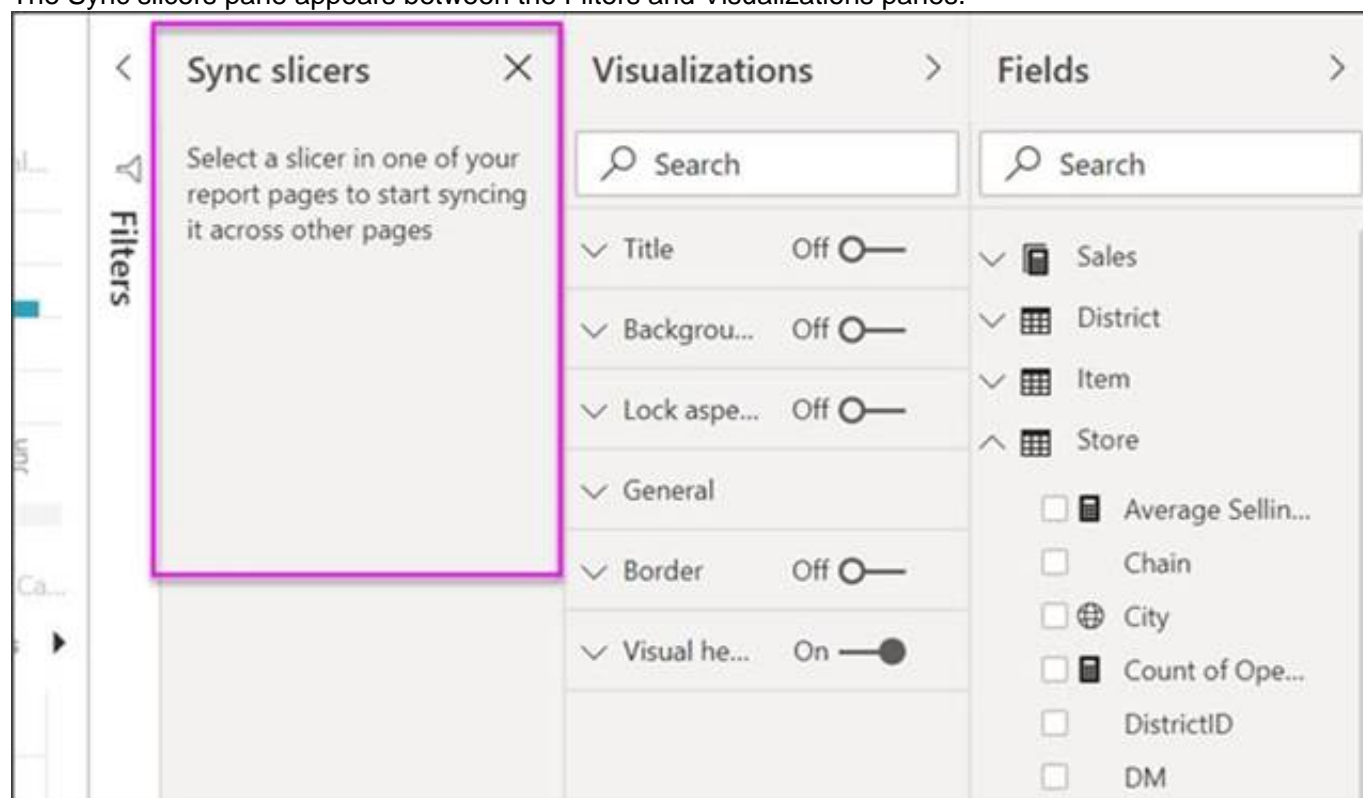
Add a report-level filter to filter an entire report.

The visuals on the active page, and on all pages in the report, change to reflect the new filter. You can sync a slicer and use it on any or all pages in a report.

* 1. On the Power BI Desktop View menu, select Sync slicers.



The Sync slicers pane appears between the Filters and Visualizations panes.



Reference:

<https://docs.microsoft.com/en-us/power-bi/create-reports/power-bi-report-add-filter> <https://docs.microsoft.com/en-us/power-bi/visuals/power-bi-visualization-slicers>

NEW QUESTION 194

- (Exam 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 several reports and dashboards in a workspace.

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

Solution: You create an Azure Active Directory group that contains all the users. You share each report and dashboard to the group.

Does this meet the goal?

- A. Yes
- B. No

Answer: A

Explanation:

Statements and questions are tricky and confusing. When the access is granted for the group (all users) for ALL (each) dashboards and ALL (each) reports in the workspace, then they will have read access to the specific (A, one) Dashboard and several reports, because they are part of all dashboards and reports. There is no statement, that for the other dashboards (except the one) and the other reports (except the several) that access must be prevented. They are also accessible (maybe it is not desired but not stated here).

NEW QUESTION 197

- (Exam Topic 4)

You have a custom connector that returns ID, From, To, Subject, Body, and Has Attachments for every email sent during the past year. More than 10 million records are returned.

You build a report analyzing the internal networks of employees based on whom they send emails to.

You need to prevent report recipients from reading the analyzed emails. The solution must minimize the model size.

What should you do?

- A. Implement row-level security (RLS) so that the report recipients can only see results based on the emails they sent.
- B. Remove the Subject and Body columns during the import.
- C. From Model view, set the Subject and Body columns to Hidden.

Answer: B

NEW QUESTION 200
.....

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