

Exam Questions DA-100

Analyzing Data with Microsoft Power BI

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NEW QUESTION 1

- (Exam Topic 1)

You need to address the data concerns before creating the data model. What should you do in Power Query Editor?

- A. Select Column distribution.
- B. Select the sales_amount column and apply a number filter.
- C. Select Column profile, and then select the sales_amount column.
- D. Transform the sales_amount column to replace negative values with 0.

Answer: A

NEW QUESTION 2

- (Exam Topic 3)

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. Yes No

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. Yes No

A table visualization that uses citydata[state] and sales[sales] will contain sales from the state of TX. Yes No

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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. | <input type="radio"/> | <input type="radio"/> |
| 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. | <input type="radio"/> | <input type="radio"/> |
| A table visualization that uses cityData[state] and sales[sales] will contain sales from the state of TX. | <input type="radio"/> | <input type="radio"/> |

NEW QUESTION 3

- (Exam Topic 3)

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: A

NEW QUESTION 4

- (Exam Topic 3)

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: D

NEW QUESTION 5

- (Exam Topic 3)

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

Customer

Product

Sales

Date

Month

MonthNumberOfYear

Quarter

Sales_SRC

Time Intelligence

Total Cost

Total Order Qty

Total Sales

Total Sales rolling average

Unit Price

Year

Fields

Search

- Customer
- Product
- Sales
- Date
 - 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:

Answer Area

Base value: Month
 Total Cost
 Total Order Qty
 Total Sales
 Year

Date: Date
 Month
 Total Sales
 Year

Period: Days
 Months
 Quarters
 Years

NEW QUESTION 6

- (Exam Topic 3)

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 7

- (Exam Topic 3)

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: B

NEW QUESTION 8

- (Exam Topic 3)

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: D

NEW QUESTION 9

- (Exam Topic 3)

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.)



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: A

NEW QUESTION 10

- (Exam Topic 3)

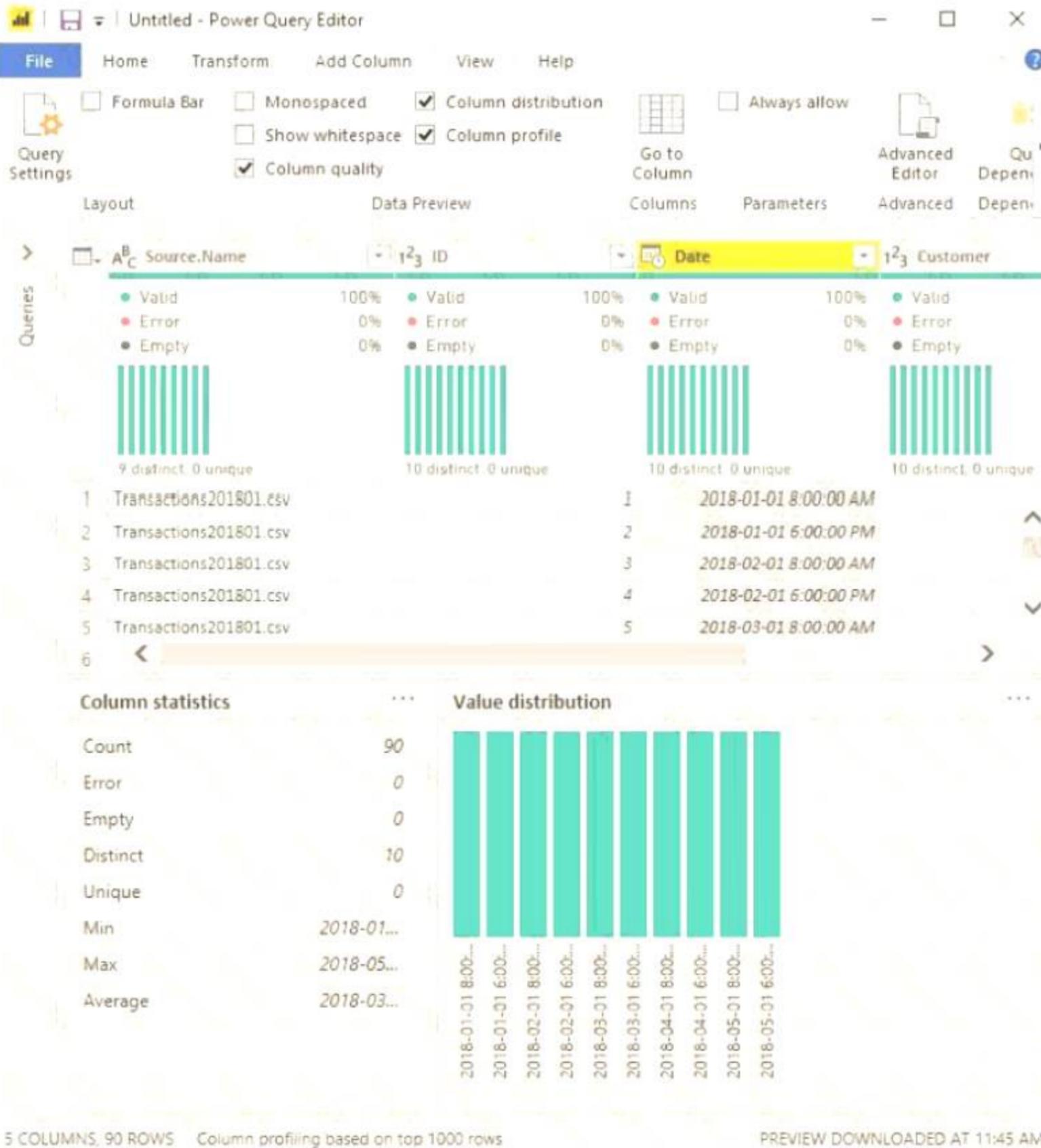
You have a data model that contains many complex DAX expressions. The expressions contain frequent references to the related and relatedtable functions. You need to recommend a solution to minimize the use of the related and relatedtable functions. What should you recommend?

- A. Merge tables by using Power Quer
- B.)
- C. Hide unused columns in the mode
- D.)
- E. Split the model into multiple models.
- F. Transpose.

Answer: A

NEW QUESTION 10

- (Exam Topic 3)
 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:

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

NEW QUESTION 13

- (Exam Topic 3)

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:

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

NEW QUESTION 17

- (Exam Topic 3)

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: A

NEW QUESTION 22

- (Exam Topic 3)

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 27

- (Exam Topic 3)

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 are modeling data by using Microsoft Power BI. Part of the data model is a large Microsoft SQL Server table named Order that has more than 100 million records.

During the development process, you need to import a sample of the data from the Order table. Solution: You add a WHERE clause to the SQL statement. Does this meet the goal?

- A. Yes
- B. No

Answer: A

NEW QUESTION 32

- (Exam Topic 3)

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. Active Directory groups
- B. tiles
- C. data classifications
- D. comments

Answer: A

NEW QUESTION 37

- (Exam Topic 3)

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: D

NEW QUESTION 42

- (Exam Topic 3)

You have five sales regions. Each region is assigned a single salesperson.

You have an imported dataset that has a dynamic row-level security (RLS) role named Sales. The Sales role filters sales transaction data by salesperson.

Salespeople must see only the data from their region.

You publish the dataset to powerbi.com, set RLS role membership, and distribute the dataset and related reports to the salespeople.

A salesperson reports that she believes she should see more data. You need to verify what data the salesperson currently sees. What should you do?

- A. Use the Test as role option to view data as the salesperson's user account.
- B. Use the Test as role option to view data as the Sales role.
- C. Instruct the salesperson to open the report in Microsoft Power BI Desktop.
- D. Filter the data in the reports to match the intended logic in the filter on the sales transaction table.

Answer: B

NEW QUESTION 44

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