



Questions Answers for DA-100 Exam

Analyzing Data with Microsoft Power BI

Don't forget to say thanks to your God once you pass your exam!

Question 1.

You have a Power BI report.

You need to create a calculated table to return the 100 highest spending customers.

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

NOTE: Each correct selection is worth one point.

Answer Area

Top 100 Customers =

100,

ASC(
DESC(
FILTER(
SUMMARIZE(
TOPN(
FactTransaction[Customer ID],
"Sales",
SUM(FactTransaction[Sales])),

Answer - TopN

Question 2.

You have a Power BI report.

You need to create a calculated table to return the 100 highest spending customers.

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

NOTE: Each correct selection is worth one point.

Answer Area

Top 100 Customers =

100,

ASC
DESC
FILTER
SUMMARIZE
TOPN

(FactTransaction,
FactTransaction[Customer ID],
"Sales",
SUM(FactTransaction[Sales])),

Answer – SUMMARIZE

Question 3.

You have a Power BI report.

You need to create a calculated table to return the 100 highest spending customers.

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

NOTE: Each correct selection is worth one point.

Answer Area

100,

(FactTransaction,

FactTransaction[Customer ID],

"Sales",

SUM(FactTransaction[Sales])),

[Sales],

ASC

DESC

FILTER

SUMMARIZE

Answer – **DESC**

Question 4.

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

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

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

Solution: You create a median line by using the Salary measure.

Does this meet the goal?

☐ A. Yes

☐ B. No

Answer – **Yes**

Question 5.

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

Does this meet the goal?



☐ A. Yes

☐ B. No

Answer – Yes

Question 6.

You have a report that includes a card visualization.

You need to apply the following conditional formatting to the card while minimizing design effort:

- For values that are greater than or equal to 100, the font of the data label must be dark red.
- For values that are less than 100, the font of the data label must be dark gray.

Which type of format should you use?



☐ A. Color scale

☐ B. Rules

☐ C. Field value

Answer - Rules

Question 7.

You create a report by using Microsoft Power BI Desktop.

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

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

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

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

Answer - D

Question 8.

You have a line chart that shows the number of employees in a department over time.

You need to see the total salary costs of the employees when you hover over a data point.

What should you do?

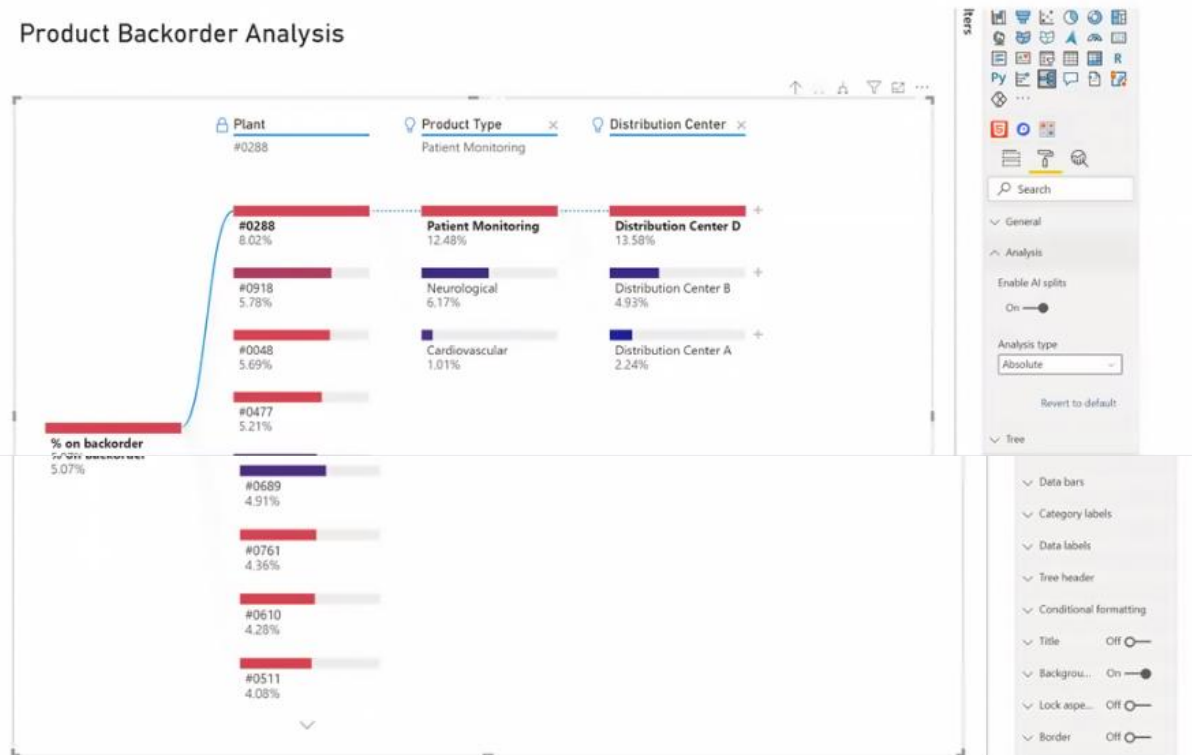
- •
- ☐ A. Add a salary to the visual filters.
 - ☐ B. Add salary to the drillthrough fields.
 - ☐ C. Add a salary to the tooltips.

Answer – C

Question 9.

You have a report that uses a decomposition tree to analyze the cause of product backorders as shown in the following exhibit.

Product Backorder Analysis



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

The **[answer choice]** field in the decomposition tree cannot be changed by report consumers in the Power BI service.

The % on backorder value for Patient Monitoring products is 12.48% in [answer choice].

Distribution Center
Plant
Product Type

Answer - Plant

Question 10.

Answer Area

The **[answer choice]** field in the decomposition tree cannot be changed by report consumers in the Power BI service.

The % on backorder value for Patient Monitoring products is 12.48% in [answer choice].

all distribution centers
all plants
Distribution Center D
plant #0288

Answer – Plant #0288

Question 11.

Answer Area

The [answer choice] field in the decomposition tree cannot be changed by report consumers in the Power BI service.

The % on backorder value for Patient Monitoring products is 12.48% in [answer choice].

- all distribution centers
- all plants
- Distribution Center D
- plant #0288

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

Answer – D

Question 12.

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: 2018-12-31 at 08:59.

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

What should you do?

- • • • •
- ☐ A. Create a column by example that starts with 2018-12-31.
 - ☐ 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. Add a conditional column that outputs 2018 if the Logged column starts with 2018 and set the data type of the new column to **Whole Number**.
 - ☐ D. Split the Logged column by using **at** as the delimiter.

Answer – D

Question 13.

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

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You have several reports and dashboards in a workspace.

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

Solution: You enable Included in app for all assets.

Does this meet the goal?

• • • • •

☐ A. Yes

☐ B. No

Answer – No

Question 14.

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have several reports and dashboards in a workspace.

You need to grant all organizational users read access to one 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?

• • • • •

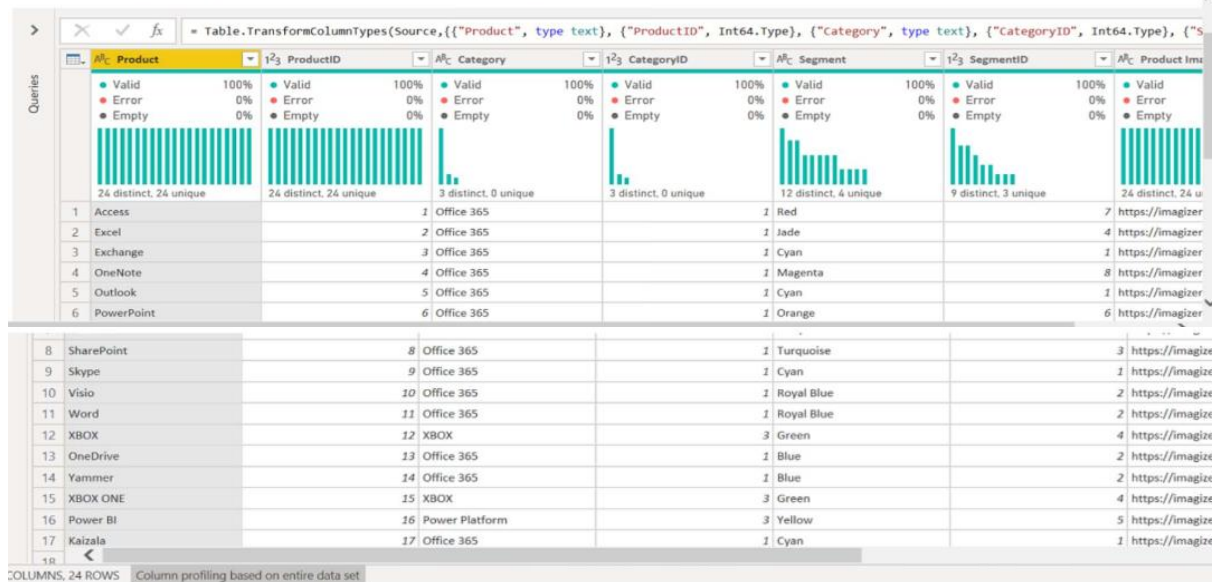
☐ A. Yes

☐ B. No

Answer – No

Question 15.

Column distribution and column quality are configured as shown in the following exhibit.



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

FE: Each correct selection is worth one point.

The Segment column contains [answer choice] values that appear only once.

The SegmentID column contains a total of [answer choice] different values.

Answer – 4

Question 16.

The Segment column contains [answer choice] values that appear only once.

The SegmentID column contains a total of [answer choice] different values.

Answer – 9

Question 17.

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

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

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

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

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

What should you recommend?

- • • • •
- ☐ A. Remove unused columns from tables in the data model.
 - ☐ B. Increase the number of times that the dataset is refreshed.
 - ☐ C. Enable visual interactions.
 - ☐ D. Implement row-level security (RLS).

Answer – A

Question 18

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.

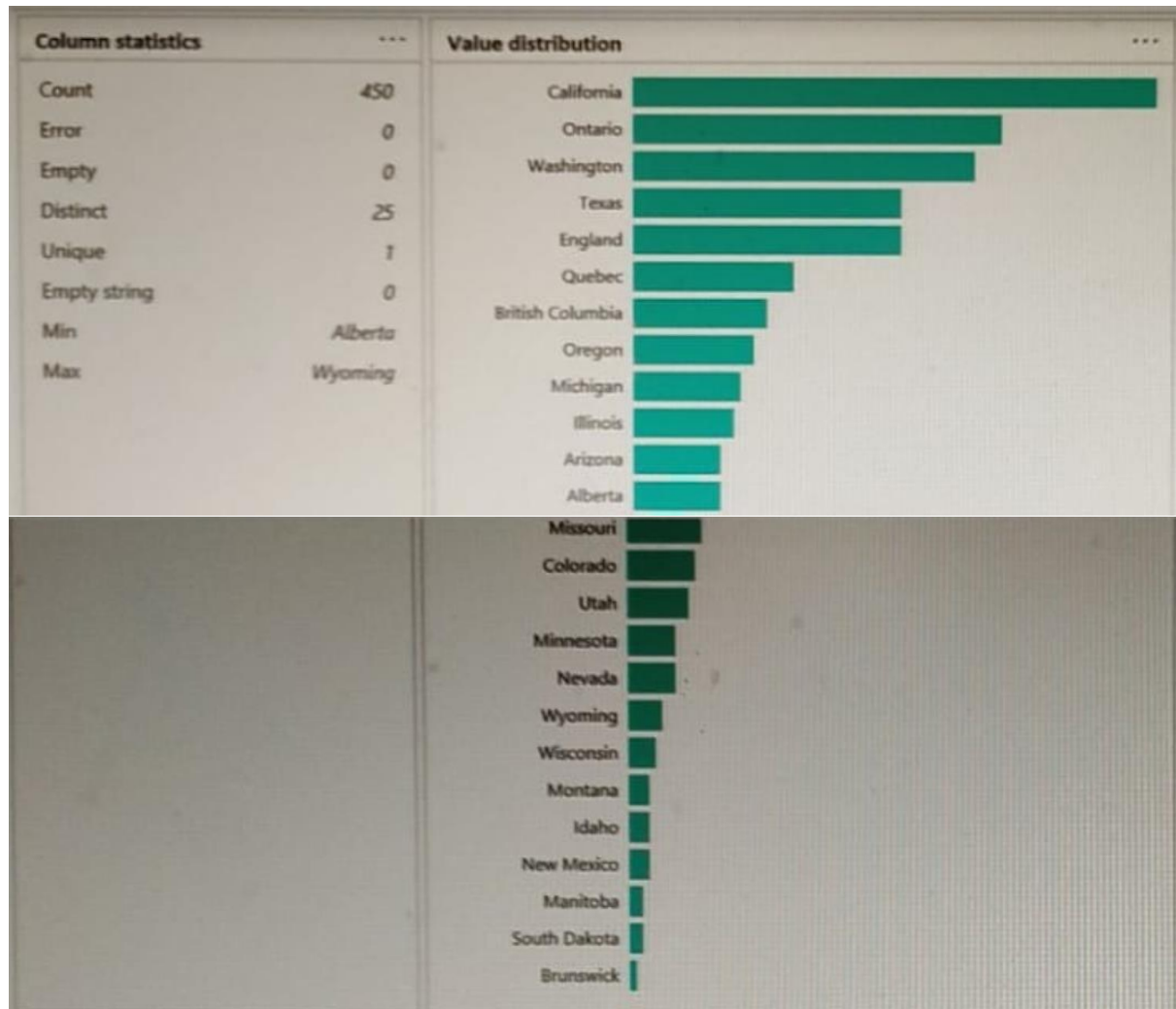
You need to use Power BI Desktop to load only the manufacturing reports to a table for analysis.

What should you do?

- • • • •
- ☐ A. Get data from a SharePoint Online list, enter the site URL, and then select **Combine & Load**.
 - ☐ B. Get data from a SharePoint Online folder and enter the site URL. Select **Combine & Transform**, then filter by the folder path to the manufacturing reports library.
 - ☐ C. Get data from a SharePoint Online list and enter the site URL. Select **Combine & Transform**, then filter by the folder path to the manufacturing reports library.
 - ☒ D. Get data from a SharePoint Online folder, enter the site URL, and then select **Combine & Load**.

Answer – B

Question 19.



Question. 20

Answer Area

The value of [answer choice] appears only once in the StateProvince column.

If Remove Duplicates is selected for the table based on the StateProvince column, there will be [answer choice].

one row

25 rows

450 rows

Answer – 25 rows

Question 21.

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 Power Apps visual that contains a drop-down list. The drop-down list will contain the business questions.
- ☐ B. Create a button for each business question and set the action type to **Page Navigation**.
- ☐ C. Create a text box for each business question and insert a link.

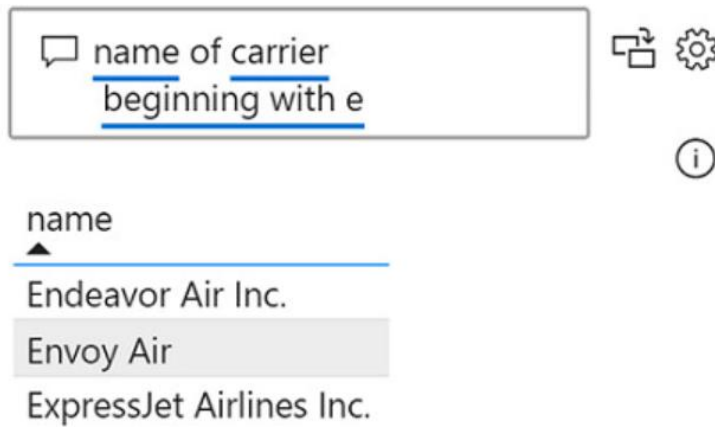
Answer – B

Question 22.

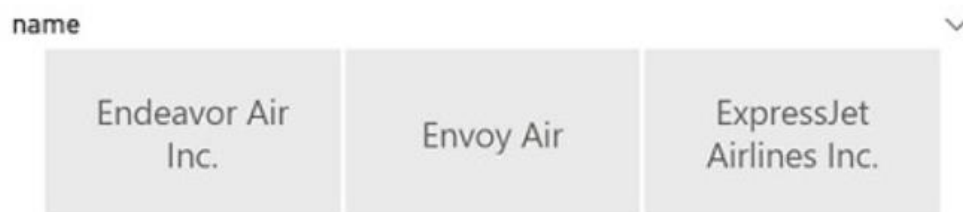
Answer – A Please ignore the same question number 48 from other pdf as the answer is wrong in that pdf. Answer A is correct.

Question 23.

You have a Q&A visual that displays relevant carriers as shown in the following exhibit.

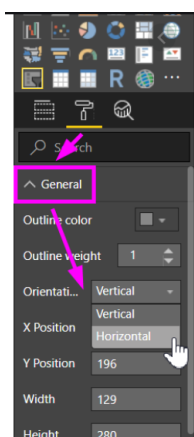


You need to modify the visual to display a selectable set of buttons as shown in the following exhibit.



What should you do?

Answer : Change Orientation from Vertical to Horizontal.



Question 24.

You are building a Power BI report to analyze customer segments.

You need to identify customer segments dynamically based on the Bounce Rate across dimensions such as source, geography, and demographics. The solution must minimize analysis effort.

Which type of visualization should you use?

- ☐ A. decomposition tree
- ☐ B. Q&A
- ☐ C. key influencers
- ☐ D. funnel chart

Answer – C

Question 25.

You are building a financial report by using Power BI.

You have a table named financials that contains a column named Date and a column named Sales.

You need to create a measure that calculates the relative change in sales as compared to the previous quarter.

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

NOTE: Each correct selection is worth one point.

Answer Area

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

Answer – Calculate

Question 26.

You are building a financial report by using Power BI.

You have a table named **financials** that contains a column named **Date** and a column named **Sales**.

You need to create a measure that calculates the relative change in sales as compared to the previous quarter.

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

NOTE: Each correct selection is worth one point.

Answer Area

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

Answer – DATEADD

Question 27.

You are building a financial report by using Power BI.

You have a table named **financials** that contains a column named **Date** and a column named **Sales**.

You need to create a measure that calculates the relative change in sales as compared to the previous quarter.

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

NOTE: Each correct selection is worth one point.

Answer Area

```
Sales QoQ% =  
IF(  
    ISFILTERED('financials'[Date]),  
    ERROR("Uh oh."),  
    VAR PREV_QUARTER =  
        [Blank]  
    SUM('financials'[Sales]),  
    [Blank] ('financials'[Date].[Date], -1, QUARTER)  
    RETURN  
    [Blank] (SUM('financials'[Sales]) - PREV_QUARTER, PREV_QUARTER)  
)
```

Answer - DIVIDE