

# PL-300

# QUESTIONS

JUNE – 2024

Investment Returns to Date

Investment  
Returns to Date

ANALYSIS

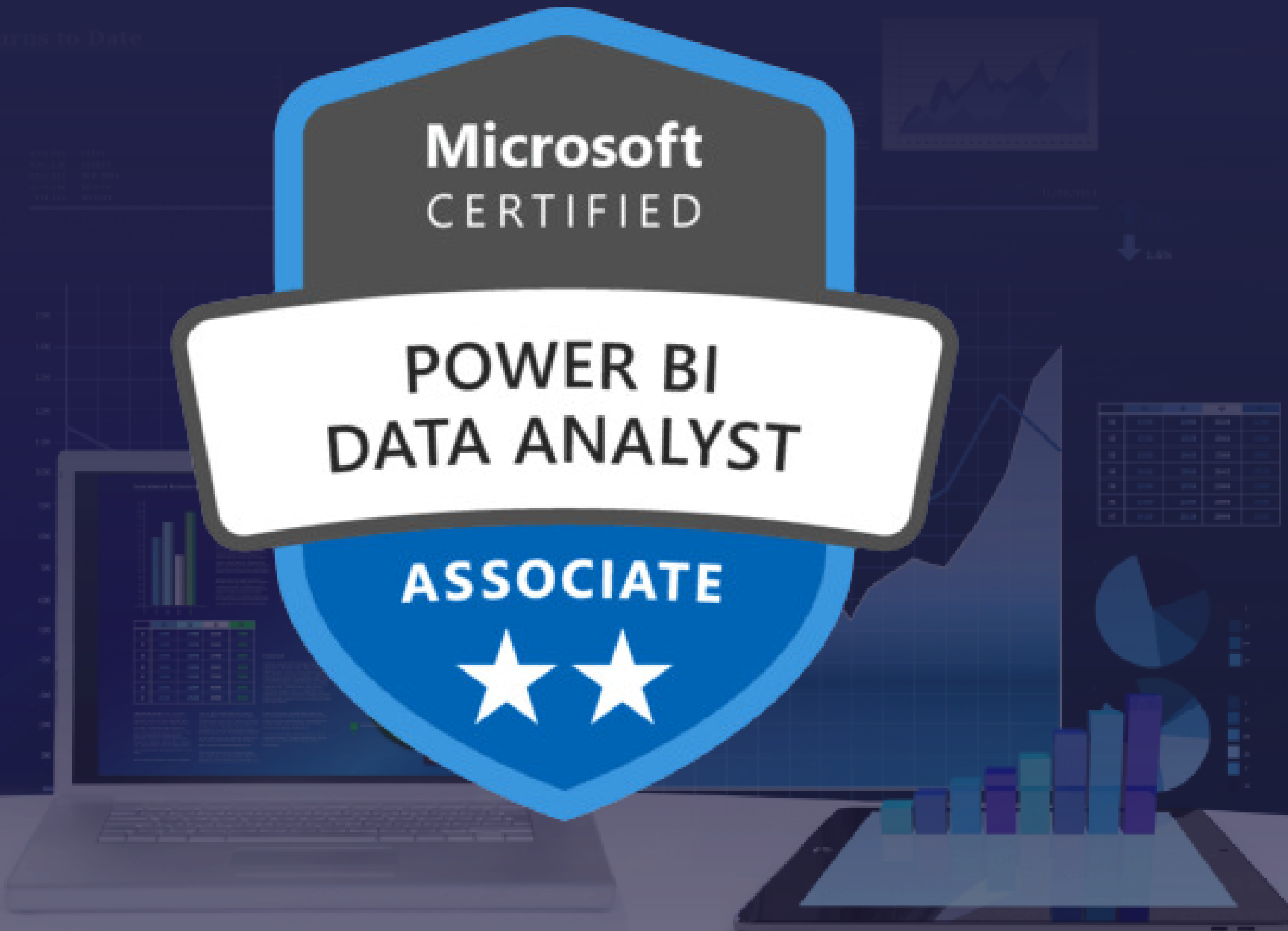
ANALYSIS

ANALYSIS

Microsoft  
CERTIFIED

POWER BI  
DATA ANALYST

ASSOCIATE





# PL-300 QUESTIONS

1. You are previewing an Excel file in Power Query Editor by using Power BI Desktop. The file contains data in two columns. One column lists categories. The other column lists subcategories in each category.

You need to transform the data to a table that has a separate column for each category and contains the count of subcategories for each category.

What transform should you use?

**Select only one answer.**

A. Pivot

B. Promote headers

C. Transpose

D. Unpivot





# PL-300 QUESTIONS

2. You are merging Orders and Orders Detail queries in Power Query Editor.

Due to data quality issues, some rows in the Orders query do NOT have a matching row in the Order Details query.

You need to select the appropriate join type to ensure that all the rows from the Orders query are shown.

Which join type should you use?

**Select only one answer.**

A. Full Outer

B. Inner

C. Left Outer

D. Right Anti





## PL-300 QUESTIONS

3. You are using Power Query Editor in Power BI Desktop to import an Excel file that contains only one worksheet.

The data in the file starts with column names on row 5 of the worksheet. There are occasional blank values in column A of the worksheet.

You need to remove the blank rows at the top of the worksheet and use the 5th row as the column headers of the table.

What should you do first?

**Select only one answer.**

A. Remove empty values from the first column.

B. Remove the top 4 rows.

C. Use the current headers as the first row.

D. Use the first row as headers.





## PL-300 QUESTIONS

4. You preview a single table in the Power Query Editor in Power BI Desktop. The table contains the following columns: LocationName, LocationID, Temperature, and DateTime.

You need to convert the table into a properly formed star schema.

To which table should you add the LocationName field?

**Select only one answer.**

A. Date Dimension

B. Location Dimension

C. Location Fact

D. Temperature Measurements Fact





## PL-300 QUESTIONS

5. You have a Power BI data model that has the following tables: Sales, Returns, Customer, and Date. No relationships have been created.

You need to view and filter sales and returns by the same months at the same time.

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

**Select all answers that apply.**

A. Create a DAX measure that combines sales and returns.

B. Create a month column in both the Sales and Returns tables.

C. Create a relationship between Sales and Date.

D. Create a relationship between the Returns and Date.

E. Select the Date table and select Mark as date table.





## PL-300 QUESTIONS

6. You need to create a relationship between two tables named Sales and Sales Detail in a Power BI data model. For every row in the Sales table, there is at least one row, and possibly multiple rows, in the Sales Detail table.

How should you configure the relationship?

**Select only one answer.**

A. Many-to-many from Sales to Sales Detail

B. Many-to-one from Sales to Sales Detail

C. One-to-many from Sales to Sales Detail

D. One-to-one from Sales to Sales Detail





## PL-300 QUESTIONS

7. You need to ensure that when users use the Q&A visual in a Power BI report, the visual maps the word "Country" to the Geography[Region] field in the semantic model. The solution must NOT change any existing visuals.

What should you do?

**Select only one answer.**

A. Add a synonym to the Geography table.

B. Add a synonym to the Region column.

C. Rename the Region column to Country.

D. Set the row label in the Geography table to Region.







## PL-300 QUESTIONS

8. You have a Power BI model that contains a table named Person. The Person table contains a whole number column named Age.

You need to write a DAX measure that finds the middle value in the range of Age values.

What formula should you use?

**Select only one answer.**

A. AVERAGE('Person'[Age])

B. MEDIAN('Person'[Age])

C. RANK.EQ('Person'[Age], 'Person'[Age])

D. STDEV.P('Person'[Age])





## PL-300 QUESTIONS

9. You have a Power BI data model that contains two tables: Sales and Date. The Sales table can be related to the Date table by either the Sales Date column or the Ship Date column.

You need to create a role-playing dimension using DAX. The role-playing dimension must support the ability to filter sales where Ship Date is in the current month and Sales Date is in the prior month.

Which type of DAX expression should you use?

**Select only one answer.**

A. Calculated column

B. Calculated table

C. Measure

D. What-If Analysis





## PL-300 QUESTIONS

10. You need to write a DAX measure that returns the revenue for selected dates during the previous year.

Which two DAX functions should you include in the measure? Each correct answer presents part of the solution.

**Select all answers that apply.**

A. CALCULATE

B. CLOSINGBALANCEYEAR

C. PREVIOUSQUARTER

D. SAMEPERIODLASTYEAR





# PL-300 QUESTIONS

11. You have a Power BI data model that contains the following three tables:

Sales Date Product The Sales table is related to the Date and Product tables by using many-to-one relationships. The Sales table contains a column named Total Sales Amount.

You need to create a measure named Total Sales that can be used in visuals to aggregate Total Sales Amounts by product or by date.

What should you use?

**Select only one answer.**

A. Total Sales = ALL('Sales'[Total Sales Amount])

B. Total Sales = CALCULATE([Total Sales])

C. Total Sales = MAX('Sales'[Total Sales Amount])

D. Total Sales = SUM('Sales'[Total Sales Amount])





## PL-300 QUESTIONS

12. You have a Power BI data model that contains a table named Contacts.

Contacts contains the following text columns:

Name

Email

Phone

Subscribed to Newsletter

All columns use the Text data type. The Phone column contains the area code, number, and country code. The Subscribed to Newsletter column contains a value of true or false.

You need to minimize the size of the data model by changing a column's data type. The solution must prevent data loss.

What should you do?

**Select all answers that apply.**

A. Change Phone to a decimal data type.

B. Change Phone to a whole number data type.

C. Change Subscribed to Newsletter to a binary data type.

D. Change Subscribed to Newsletter to a True/False data type.





## PL-300 QUESTIONS

13. You create a Power BI model that contains the sales for the last five years. The size of the model is 950 MB. The Sales table contains five million rows.

You need to minimize the model size and perform the following analysis:

Current and one previous year sales for all active products  
Current year sales by product category  
What should you do?

**Select only one answer.**

A. Remove the Product Status column.

B. Remove the rows that relate to inactive products.

C. Remove the rows that relate to sales that occurred more than two years earlier.

D. Remove the Sale Date column.





## PL-300 QUESTIONS

14. You have a Power BI model that contains sensor data from 500 sensors that return temperature readings each minute.

Your reporting requirements include the calculation and display of the average temperature from each sensor at every hour. The reports do NOT show the raw data for each minute.

You need to reduce the size of the model to improve performance.

What should you do?

**Select only one answer.**

A. Add a report filter for the Hour column.

B. Create visuals that group the data by hour.

C. Remove the rows that contain readings.

D. Use Power Query to group the sensor data by hour.





# PL-300 QUESTIONS

15. You need to modify a column chart. The solution must ensure that the total for each bar is shown above the column.

What should you enable?

Select only one answer.

A. data labels

B. title

C. X-axis

D. Y-axis







## PL-300 QUESTIONS

16. You plan to use Power BI report visual to display sales values that change over time.

You need to identify a visualization to use. The solution must clearly illustrate the changes of sales values over time.

Which visualization type should you identify?

**Select only one answer.**

A. Column chart

B. Doughnut chart

C. Funnel chart

D. Pie chart





# PL-300 QUESTIONS

17. You are creating a visualization in a Power BI report.

You need to recommend which visualization to use in the report to perform a quick comparison of the current quarter sales by country.

Which visualization type should you recommend?

**Select only one answer.**

A. Column chart

B. Gauge chart

C. Matrix

D. Scatter chart





## PL-300 QUESTIONS

18. You need to create a sales report in Power BI that meets the following requirements:

Must display data in tables with headers and footers  
Must print all data in the report  
Must allow users to select a region value in the parameters  
What should you do?

**Select only one answer.**

A. Create a paginated report with a table.

B. Create a scorecard.

C. Create an interactive report with a matrix.

D. Create an interactive report with a table.





## PL-300 QUESTIONS

19. You have a report that contains a bar chart and a pie chart. The interactions use the default settings.

You need to ensure that when you select a bar, the pie chart redraws showing only the data related to the bar.

You enable Edit Interactions.

What should you do next?

**Select only one answer.**

A. Select the pie chart and set the bar chart interaction to Filter.

B. Select the pie chart and set the bar chart interaction to None.

C. Select the bar chart and set the pie chart interaction to Filter.

D. Select the bar chart and set the pie chart interaction to None.





## PL-300 QUESTIONS

20. You have a report that has three overlapping visuals: a bar chart, a line chart and a card.

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

the card must render above the line chart the line chart must render above the bar chart. What setting should you modify?

**Select only one answer.**

A. Aspect ratio

B. Layer order

C. Tab order

D. Vertical alignment





## PL-300 QUESTIONS

21. You plan to use Power BI to analyze taxi cab rides in New York City. You need to review the total distance of rides by date.

You need to visually indicate anomalies in the values as well as the expected range of distance values for the date.

What visual should you use?

**Select only one answer.**

A. Line chart

B. Pie chart

C. Scatterplot

D. Tree map





## PL-300 QUESTIONS

22. You are reviewing the attendance data for a school in a Power BI report. The report contains a bar chart that shows the average attendance by grade.

You need to analyze the causes for different attendance across grades. The solution must NOT add a new visual to the page.

What feature should you use?

**Select all answers that apply.**

A. Analyze: Find where this distribution is different

B. Find anomalies

C. Spotlight

D. Summarize





## PL-300 QUESTIONS

23. You have a Power BI workspace that contains a report named Report1.

You need to ensure that when users export Report1 to PDF, the exported version is encrypted.

What should you do?

**Select only one answer.**

A. Apply a sensitivity label to Report1.

B. Certify Report1.

C. Disable the Export reports as PowerPoint presentations or PDF documents setting for the tenant.

D. Remove build permissions from the semantic model used by Report1.







## PL-300 QUESTIONS

24. You need to configure a Power BI workspace to notify non-administrative users when issues occur in the workspace.

What setting should you configure?

**Select only one answer.**

A. Contact list

B. Dataflow storage

C. License mode

D. Workspace OneDrive





## PL-300 QUESTIONS

25. You have published an imported semantic model to a workspace. The workspace is in the shared capacity of the Power BI service. The source data changes every 5 minutes.

You need to keep the data in the Power BI semantic model as current as possible without upgrading Power BI licenses or changing the workspace.

What should you do?

**Select only one answer.**

A. Configure a scheduled refresh 8 times a day.

B. Configure a scheduled refresh every 15 minutes.

C. Configure a scheduled refresh every hour of each day.

D. Perform an on-demand refresh once a day.





## PL-300 QUESTIONS

26. You have a Power BI workspace that contains a semantic model and a report:

The semantic model has a single data source, which is a SQL Server database on a virtual machine in a private network (vNet) in Azure.

You need to configure the semantic model to refresh every day.

What two components should your solution include?

Each answer represents part of the solution

**Select all answers that apply.**

A. A refresh schedule

B. An on-premises data gateway

C. Incremental refresh

D. Parameters





# ANSWERS

1. **A**

2. **C**

3. **B**

4. **B**

5. **C, D, E**

6. **C**

7. **B**

8. **B**

9. **B**

10. **A, D**

11. **D**

12. **D**





# ANSWERS

13. **C**

14. **D**

15. **A**

16. **A**

17. **A**

18. **A**

19. **C**

20. **B**

21. **A**

22. **A**

23. **A**

24. **A**

25. **A**

26. **A, B**

