PL-300 Q&As

Microsoft Power BI Data Analyst

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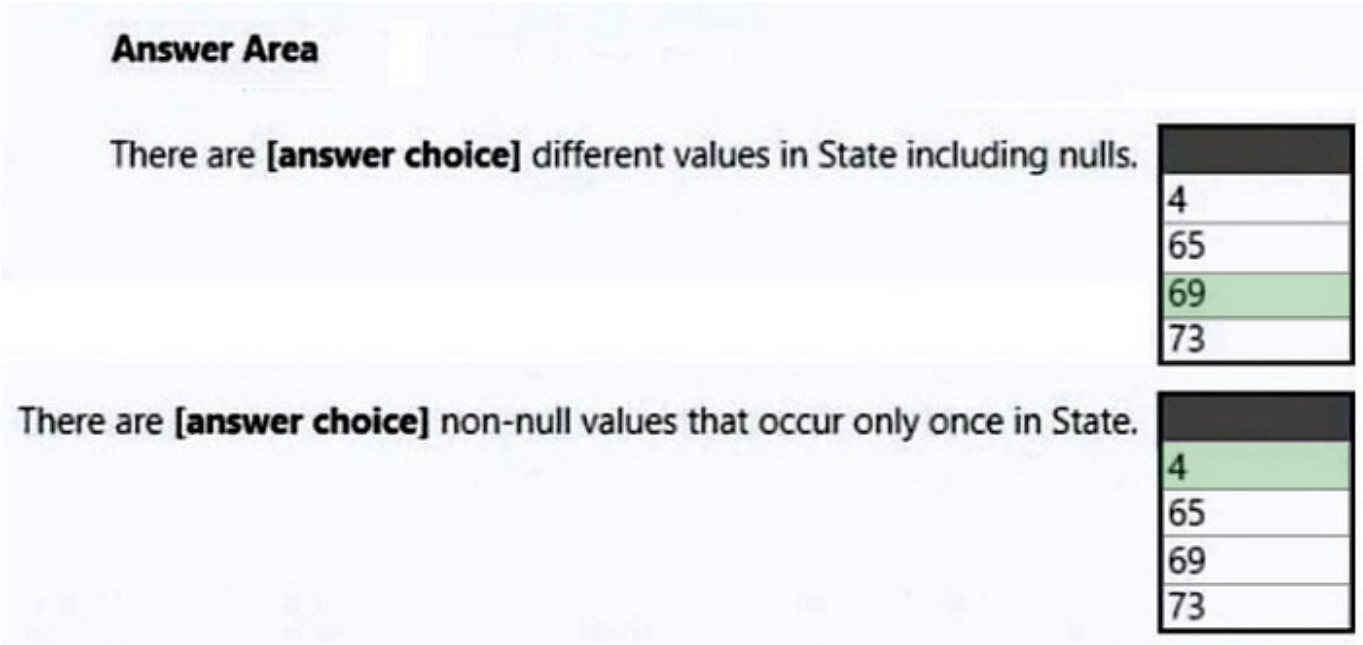
QUESTION 1

HOTSPOT

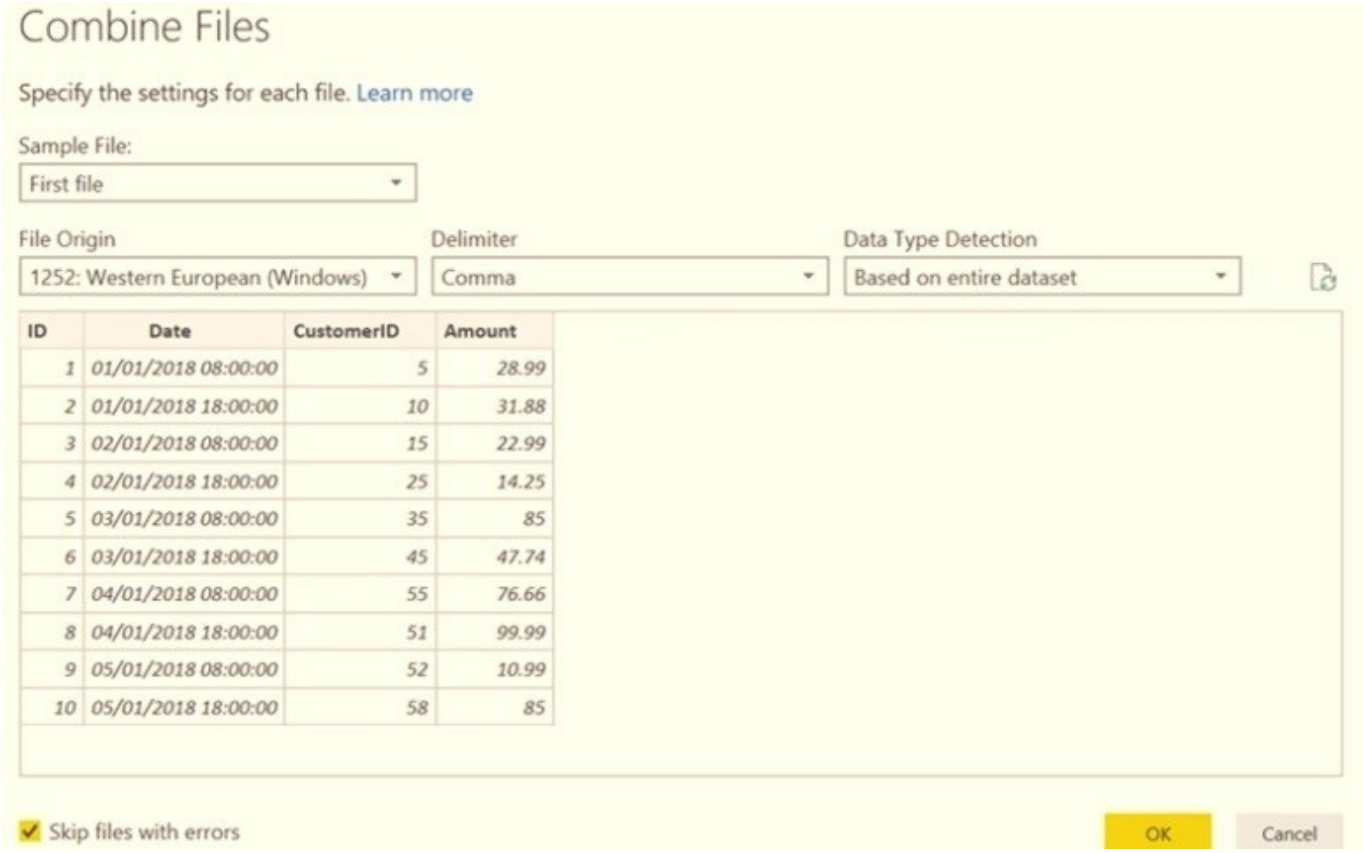
You have a report page that contains the visuals shown in the following exhibit.



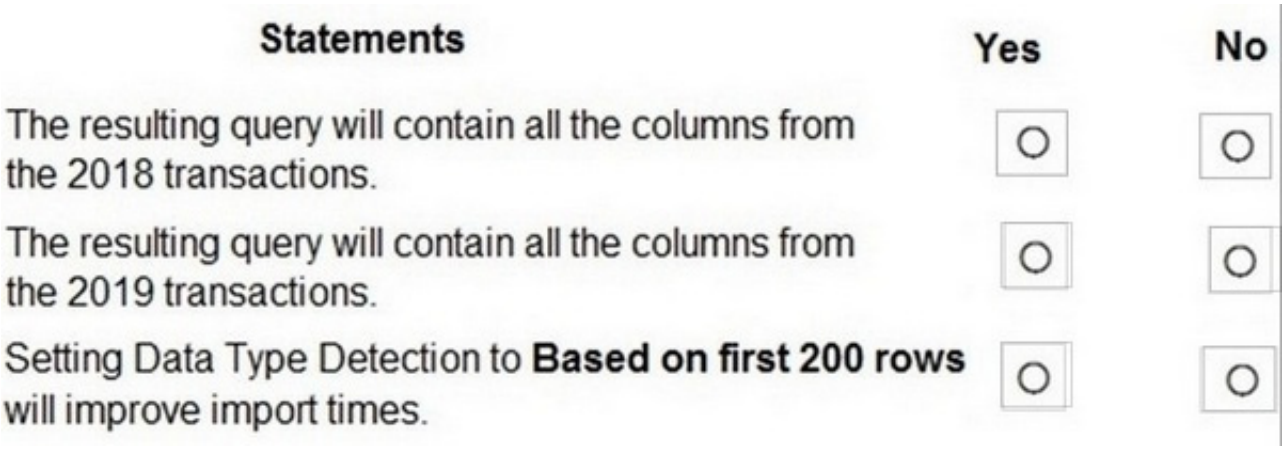
Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.

NOTE: Each correct selection is worth one point.

Hot Area:



Correct Answer:



Box 1: cross-filter

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

Box 2: cross-highlight

Example:

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

Statements	Yes	No
The resulting query will contain all the columns from the 2018 transactions.	○	○
The resulting query will contain all the columns from the 2019 transactions.	○	○
Setting Data Type Detection to **Based on first 200 rows** will improve import times.	○	○

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

Answer Area

Combine the queries by performing a: [▼]
- Append
- Merge
- Transpose

On the Categories query: [▼]
- Delete the query.
- Disable the query load.
- Exclude the query from report refresh.

2.

Cross-filtering removes data that doesn\\'t apply. Selecting Moderation in the doughnut chart cross-filters the line chart. The line chart now only displays data points for the Moderation segment.

3.

Cross-highlighting retains all the original data points but dims the portion that does not apply to your selection. Selecting Moderation in the doughnut chart cross-highlights the column chart. The column chart dims all the data that applies to the Convenience segment and highlights all the data that applies to the Moderation segment.

QUESTION 2

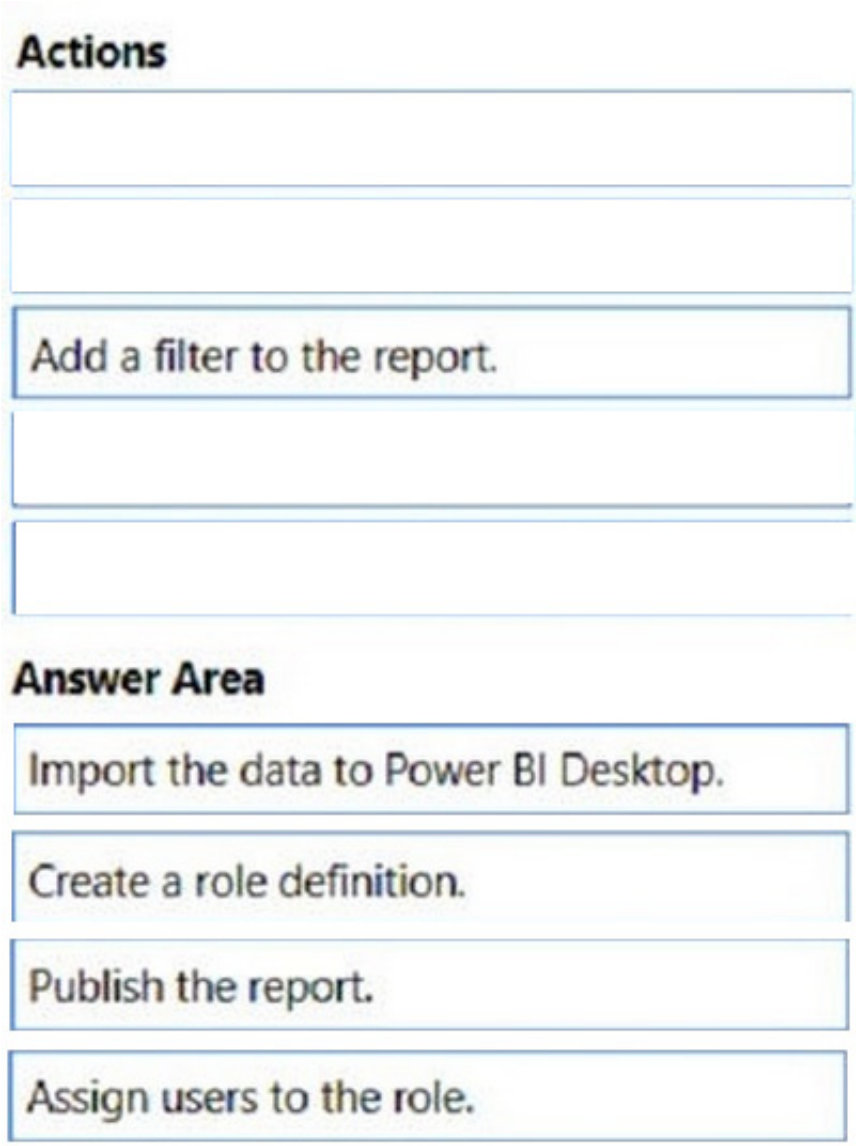
HOTSPOT

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

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

NOTE: Each correct selection is worth one point.

Hot Area:



Correct Answer:

	Month	MonthNumber	2019	2020	2021
1	Jan	1	345	5526	3456
2	Feb	2	758	773	0
3	Mar	3	37763	570	null
4	Apr	4	8364	9417	null
5	May	5	58256	276	null
6	June	6	6722	235	null
7	July	7	55225	6297	null
8	Aug	8	673	63	null
9	Sep	9	552	357	null
10	Oct	10	7838	24214	null
11	Nov	11	83544	257	null
12	Dec	12	32455	389	null

Box 1: CALCULATE

CALCULATE evaluates an expression in a modified filter context.

Syntax: CALCULATE([, [, [, …]]])

Expression - The expression to be evaluated.

filter1, filter2,… (Optional) Boolean expressions or table expressions that defines filters, or filter modifier functions.

Box 2: FILTER

FILTER returns a table that represents a subset of another table or expression.

Syntax: FILTER([table],)

Table- The table to be filtered. The table can also be an expression that results in a table.

Filter - A Boolean expression that is to be evaluated for each row of the table. For example, [Amount] > 0 or [Region] = "France"

Box 3: Orders[ShippedDate]> Orders[RequiredDate]

Northwind Traders defines late orders as those shipped after the required shipping date.

Reference:

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

https://docs.microsoft.com/en-us/dax/filter-function-dax

QUESTION 3

You have a Power Bl report

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

1.

A card that shows the number of records

2.

A bar chart that snows total transaction amount by territory

3.

A scatter plot that shows transaction amount and profit amount on the axes and points colored by territory You need to modify the scatter plot to make it easier for users to identify meaningful patterns. The solution must not affect the accuracy of the other visuals What should you do?

A. Apply a row filter to the Dalai query in Power Query Editor.

B. Add a trend line to the scatter plot

C. Enable high-density sampling on the scatter plot

D. Add a count field of the transaction amount to the size bucket of the scatter plot

Correct Answer: B

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

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

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

Solution: You create a percentile line by using the Salary measure and set the percentile to 50%.

Does this meet the goal?

A. Yes

B. No

Correct Answer: A

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

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

QUESTION 5

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

Name	EmployeeID	ParentEmployeeID
David	100	100
Simon	101	100
Wenanta	102	100
Conrad	103	101
Priyish	104	103
Sunil	105	103
Pavel	106	102

The Sales table contains records of sales by day from the last five years up until today\\'s date.

You plan to create a measure to return the total sales Of March 2021 when March 2022 is selected.

Which DAX expression should you use?

A. Calculate (Sum(Sales[Sales]), PREVIOUSYEAR(dimDate[Date])

B. TOTALYTD (SUM(Sales[Sales]), dimDate[Date])

C. Calculate (SUM(Sales[Sales]), SAMEPERIODLASTYEAR(dimDate[Date]))

D. SUM(Sales[Sales])

Correct Answer: C

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