

# Quiz 2 - Data Analytics with Tableau

Total points **5/15** ?

APSCHE LT Phase 2 (21 Feb 24)

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Quiz Begins

5 of 15 points



1. What is the primary purpose of using sets in Tableau? \*

0/1

- ☒ a) To create animated visualizations.
- ☐ b) To perform advanced data manipulations such as filtering and highlighting
- ☐ c) To generate QR codes for data sharing.
- ☐ d) To perform real-time data streaming.

2) When grouping data in Tableau: \*

0/1

- ☒ a) It permanently modifies the underlying data source.
- ☐ b) It creates a new field that combines the values of selected fields based on specified criteria.
- ☐ c) It only works with numerical data types.
- ☐ d) It is primarily used for sorting data in descending order.

3) In Tableau, what does the IN/OUT operation refer to when working with sets?

\*0/1

- ☐ a) Including or excluding members from a set
- ☐ b) Interpolating values within a set
- ☒ c) Integrating sets with other data sources
- ☐ d) Implementing nested sets within a dashboard



4) What is a computed set in Tableau? \*

1/1

- ☐ a) A predefined group of data fields based on user-defined criteria.
- ☐ b) A static grouping of data elements that cannot be modified.
- ☒ c) A dynamic grouping of data elements based on a calculated condition.
- ☐ d) A visualization technique used to represent numerical data.

5) How do constant sets differ from computed sets in Tableau? \*

1/1

- ☒ a) Constant sets are based on static criteria, while computed sets are dynamically generated.
- ☐ b) Constant sets allow for mathematical operations, while computed sets are limited to boolean conditions.
- ☐ c) Constant sets can only be created from dimensions, while computed sets can be derived from both dimensions and measures.
- ☐ d) Constant sets are exclusive to Tableau Desktop, while computed sets can be used in Tableau Server.

6) In Tableau, what action would you take to combine two sets to create a new set containing members that exist in either of the original sets? \*

1/1

- ☒ a) UNION
- ☐ b) INTERSECT
- ☐ c) MINUS
- ☐ d) JOIN



7) What defines a dynamic set in Tableau? \*

1/1

- ☒ a) A set of fields that automatically updates based on changes in the data source.
- ☐ b) A fixed set of data elements that remains unchanged regardless of filtering or selections.
- ☐ c) A set of calculated fields that are computed at the time of data import.
- ☐ d) A grouping of data fields created manually by the user.

8) What is the key benefit of using sets for data analysis in Tableau? \*

0/1

- ☐ a) To create 3D visualizations.
- ☒ b) To improve data storage efficiency.
- ☐ c) They provide flexibility in filtering and highlighting specific data points.
- ☐ d) To automate machine learning algorithms.

9) When editing a set in Tableau, which option allows you to add members to the set based on a specific condition? \*1/1

- ☒ a) "Add to Set"
- ☐ b) "Exclude from Set"
- ☐ c) "Set Actions"
- ☐ d) "Set Properties"



10) Which Tableau chart type is useful for illustrating the cumulative effect of sequential positive or negative values? \*0/1

- ☐ a) Donut chart
- ☒ b) Area chart
- ☐ c) Funnel chart
- ☐ d) Waterfall chart

11) Which Tableau chart type is typically used to visualize the progression of data through stages, such as sales leads or website conversions? \*0/1

- ☒ a) Donut chart
- ☐ b) Area chart
- ☐ c) Waterfall chart
- ☐ d) Funnel chart

12) Which chart type is used to display the distribution of data and identify outliers? \*0/1

- ☐ a) Box Plot
- ☐ b) Line Chart
- ☒ c) Bar Chart
- ☐ d) Area Chart



13) In Tableau, which chart type would you use to visualize hierarchical data using nested rectangles? \*0/1

- ☒ a) Scatter Plot
- ☐ b) Tree Map
- ☐ c) Heat Map
- ☐ d) Gantt Chart

14) In Tableau, which chart type is used to show the distribution of a single continuous variable? \*0/1

- ☐ a) Bar chart
- ☒ b) Line chart
- ☐ c) Histogram
- ☐ d) Pie chart

15) Which chart type is suitable for visualizing the composition of a whole in Tableau? \*0/1

- ☒ a) Bar chart
- ☐ b) Line chart
- ☐ c) Pie chart
- ☐ d) Scatter plot



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☒ Data Analytics with Tableau

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