Quiz: Lesson 3: Analyzing Data Using SAS Visual Analytics

Your Score: 100% Congratulations! Your score indicates that you have mastered the topics in this course. You can review the feedback and when you're finished, exit the lesson.

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1. Which chart type enables you to view outliers?

    a. Histogram
    b. Box plot
    c. Outlier plot
    d. Distribution plot

Your answer: b
Correct answer: b

Box plots can be used to view information about the variability and extreme values (outliers) of a measure for distinct values of a category data item.

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2. Which type of data item can you create that performs calculations on unaggregated data?

    a. Distinct count
    b. Calculated item
    c. Aggregated measure
    d. Year to date

Your answer: b
Correct answer: b

Calculated data items are created by performing calculations on

unaggregated data. Aggregated measures use aggregated values to calculate new data items.

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3. Which type of data item recalculates the expression depending on other data items used in the chart?

    a. Calculated item
    b. Aggregated measure
    c. Custom category
    d. Dynamic measure

Your answer: b
Correct answer: b

Aggregated measures recalculate the expression depending on other data items used in the chart; they are very dynamic.

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4. On what type of data item can you create a custom category?

    a. Aggregated measure
    b. Parameter
    c. Measure
    d. Hierarchy

Your answer: c
Correct answer: c

Custom categories can create labels for groups of category or measure data items.

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5. A variety of filters can be applied to a report and modified by only the report designer. Which filter is applied before the data is brought into Visual Analytics?

    a. Data source filter

b. Local filter

c. Pre-aggregate filter

d. Table filter

Your answer: a
Correct answer: a

A data source filter is applied to every object that uses the data source. It acts as a pre-filter by filtering the data before it is brought into Visual Analytics.

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6. Which geo map object works well with very dense data?

a. Coordinate

b. Region

c. Bubble

d. Contour

Your answer: d
Correct answer: d

Contour geo maps display shaded regions over a geographic map. They are best used to show very dense data.

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7. Which object enables the analysis of one category and three measures? Assume no data is specified for the Hidden or Data tip values roles.

a. Treemap

b. Histogram

c. Bubble plot

d. Geo map

Your answer: c
Correct answer: c

Bubble plots display three dimensions of data (horizontal location, vertical location, and size of bubble) for a category data item.

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8. What type of data item does the Animation role require?

   a. Aggregated data item
   b. Category data item
   c. Date data item
   d. Measure data item

Your answer: c
Correct answer: c

The Animation role requires a date, time, or datetime data item.

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9. What does it mean if a correlation matrix shows that two measures have a correlation of 0.12?

   a. The two measures have no relationship.
   b. The two measures have a weak linear relationship.
   c. When one measure increases by 1, the other measure increases by 0.12.
   d. The measures move together 12% of the time.

Your answer: b
Correct answer: b

A correlation of 0.3 or lower indicates a weak linear relationship between the measures. This does not mean that the measures have no relationship, the actual relationship could be more complex (quadratic, cubic).

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10. Fit lines can be added to which object?

   a. Heat maps

b. Correlation matrix
c. Histogram
d. Box plots
e. Bubble plots

Your answer: a
Correct answer: a

Fit lines can be added to heat maps that display two measures.

Close