

## Module 9 Quiz:

# Data Analytics, Concepts and Tasks

1. What does the acronym 'SVG' stand for?

- A. Scalable Value Graphics
- B. Standard Vector Graphics
- C. Scalable Variable Graphics
- D. Scalable Vector Graphics

Answer: D

2. The domain of an ordinal scale is discrete.

- A. True
- B. False

Answer: A

3. Once new data is bound to a D3 selection, the `exit().remove()` function can be used to remove

- A. All elements from the selection
- B. All old elements from the selection
- C. All elements from the selection that don't have data anymore

Answer: C

4. Consider a scatterplot with countries represented by circles against Avg Income on the x-axis and Life Expectancy on the y-axis. Can other attributes such as the World Region and Population of the country be shown using the same visualization?

- A. No, both axes already show values
- B. Yes, we can encode data in other visual properties such as the size and color of the circles

Answer: B

5. Suppose we have an integer array called "data". We assume that the entries in data can start from 0. In order to linearly scale each value in "data" so that output ranges from 0 to 200, which code should we use to initialize the d3 scale?

- A. `d3.scale.linear().domain([0, data.max()]).range([0, 200])`
- B. `d3.scale.linear().range([0, data.max()]).domain([0, 200])`
- C. `d3.scale.domain([0, data.max()]).range([0, 200])`

Answer: A



6. In which corner of the SVG Coordinate Space (in D3) is pixel coordinate (0,0)?

- A. Top left
- B. Bottom left
- C. Top right
- D. Bottom right

Answer: A



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