Question 1

What type of regression model does the following equation suggest? y = a + b1x1

Options:

A- Multiple factor regression

B- Nonlinear regression

C- Bivariate regression

D- Curvilinear regression

Answer:

C

Question 2

Which of the following is characteristic of a normal distribution?

Options:

A- It represents a perfect distribution of data

B- It generally is skewed with a tail to the right

C- It is best used to force a desired outcome.

D- It approximates the distribution of naturally occurring phenomena.

Answer:

D

Question 3

Question Type: MultipleChoice

In positively skewed distributions, the mean is usually which of the following?

A- Larger than the median

B- Between the median and the mode

C- Smaller than the median

D- Equal to the median

Answer:

A

Question 4

Question Type: **MultipleChoice**

A distribution that is skewed with a tail to the left is which of the following?

Options:

A- Positively skewed

B- Symmetric

C- Negatively skewed

D- Normal

Answer:

C

Question 5

Question Type: **MultipleChoice**

Which of the following is a characteristic of a standard deviation?

Options:

A- The standard deviation is based on the middle portion of the data.

B- The standard deviation reflects the variation of values between two points.

C- The standard deviation uses all the data points from the data set in its calculation

D- At least 95% of the points in a data set will always be within +-2 standard deviations from the mean.

Answer:

C

Question 6

Question Type: MultipleChoice

A range can best be described as which of the following?

Options:

A- A measure of central tendency

B- The difference between the maximum value and the minimum value in a data set

C- A tool used to measure the variation of a data set based on the middle 50 percent of the cases

D- The only measure of variability appropriate for ratio data

Answer:

B

Question 7

Question Type: MultipleChoice

What are percentile bars?

Options:

A- A tool to help visualize the distribution of data

B- The value that occurs most often among a data set

C- Representations of the median salary in an organization's pay grades

D- The most common method of representing unweighted means

Answer:

A

Question 8

Question Type: MultipleChoice

What is interpolation?

Question 9

Question Type: MultipleChoice

What is the median of the following data?

7, 17, 3, 19, 13, 9, 7

A- 7

B- 9

C- 13

D- 11

Answer:

B

Question 10

Question Type: **MultipleChoice**

What is the mode for the following set of numbers?

15, 18, 13, 19, 25, 24, 26, 14, 25, 35, 12, 99, 54, 13, 22, 19, 13

Options:

A- 19

B- 26

C- 24

D- 13

Answer:

D

Question 11

Question Type: MultipleChoice

Which of the following is true of distribution shapes for nominal data?

Options:

A- They generally are normal distributions

B- They are best represented skewed with a tail to the left

C- Nominal data should be represented via pie charts only

D- It might be most honest to simply list the categories in alphabetical order.

Answer:

D

Question 12

Question Type: MultipleChoice

How can compensation professionals ensure their statistical data are not distorted?

Options:

A- Use statistical software, which prevents distortion of data.

B- Develop a plan that provides an objective approach to collecting, organizing and displaying data

C- Avoid training that shows how data can be distorted, as that training might cause one to distort data subconsciously.

D- Distortion of data is commonly accepted as a method for making compelling arguments for change in orgs.

Answer:

B

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