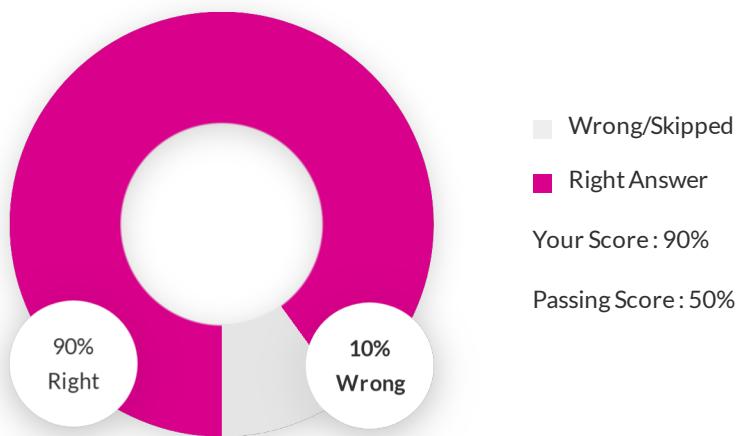


Essentials of Data Visualization using MS Excel

Measurements and Evaluations

Quiz Result

Quiz Completion Time: 00:03:02



Your Strong Areas:

- Lesson - [Descriptive Measures](#)
- Lesson - [Measures of Association Between Two Variables \(2\)](#)
- Lesson - [Measures of Location](#)
- Lesson - [Measures of Variability](#)
- Lesson - [Measures of Association Between Two Variables](#)

1. Organizations that depend on various internal factors need to depend on statistical analysis for better performance.

Your Answer : True ✓

Description : Organizations that rely on multiple internal factors, such as sales, production, employee performance, or customer satisfaction, can benefit from statistical analysis.

Question Reference From : Measures of Association Between Two Variables

-
2. Which of the following defines a selected slice of the chart from a bigger representation?

Your Answer : Donut Chart 

Description : A doughnut chart is a circular chart that is divided into slices, each of which represents a different category of data. The size of each slice is proportional to the size of the category it represents.

Question Reference From : Descriptive Measures

-
3. What statistical inference would be useful for an organization aiming to understand the relationship between training sessions and acquired promotions?

Your Answer : Scatter Charts 

Description : The statistical inference that helps in identifying the relationship between training sessions and promotions acquired in an organization is the "Scatter chart." A scatter chart is a graphical representation that shows the relationship between two variables by plotting their values as points on a graph.

Question Reference From : Measures of Association Between Two Variables

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4. In which of the following forms can categorical data be represented?

Your Answer : Graphs 

Description : Categorical data can be represented using graphs. Graphical representations such as bar charts, pie charts, and stacked column charts are commonly used to visualize and analyze categorical data.

Question Reference From : Descriptive Measures

-
5. What is indicated when an organization is analyzing its performance and arrives at a negative correlation coefficient value?

Your Answer : There is a negative relationship between sales and organization performance 

Description : When an organization analyzes its performance and arrives at a negative correlation coefficient value, it indicates a "negative relationship between sales and organizational performance." A negative correlation coefficient value suggests that as one variable (e.g., sales) increases, the other variable (organizational performance) tends to decrease.

Question Reference From : Measures of Association Between Two Variables

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6. To arrive at a positive covariance the average mean values should be a _____ number.

Your Answer : Positive 

Description : To arrive at a positive covariance, the average mean value should be a "Positive" number. The

covariance is calculated by taking the differences between each pair of corresponding values of the two variables and multiplying them. A positive covariance indicates that on average, the values of both variables tend to be higher or lower together.

Question Reference From : Measures of Association Between Two Variables (2)

7. Which of the following is the variability measurement that depends on the two extreme values of the data set?

Your Answer : Range 

Description : The variability measurement that depends on the two extreme values of the data set is known as range. The range is the difference between the highest and lowest values in a data set. It is a simple measure of variability that can be calculated quickly and easily.

Question Reference From : Measures of Variability

8. Users can find the scatter chart option in the formula section of the toolbar in Microsoft Excel.

Your Answer : False 

Description : The scatter chart option is not available in the formula section of the toolbar in Microsoft Excel. In Excel, the scatter chart option can be found in the Insert tab under the Charts section.

Question Reference From : Measures of Association Between Two Variables (2)

9. What is the term for the measurement value that indicates a linear association between two variables?

Your Answer : Covariance 

Description : Covariance is a statistical measure that quantifies the extent to which two variables vary together. It measures the direction and strength of the linear relationship between two variables. A positive covariance indicates a positive association, a negative covariance indicates a negative association and a covariance close to zero indicates no linear association.

Question Reference From : Measures of Association Between Two Variables

10. Which of the following is not one of the important criteria for categorizing variables?

Your Answer : Reason for Categorizing 

Correct Answer : Count 

Description : The count is not one of the important criteria for categorizing variables. Variables can be categorized based on different criteria, such as the type of data, the number of values, or the purpose of the categorization.

Question Reference From : Descriptive Measures

