

Scatter Plots and Trend Lines Exit Quiz

Part A Instructions: Choose the option that completes the sentence or answers the question.

1. A scatter plot is a graph relating two different data sets by displaying them as:
 - a. Function
 - b. Ordered Pairs
 - c. Relation
 - d. None of these

2. The correlation between two data sets can be :
 - a. Positive
 - b. Negative
 - c. Both a and b
 - d. None of these

3. If the points on a scatter plot generally slope down in going from left to right, the correlation is:
 - a. Positive
 - b. Negative
 - c. Both a and b
 - d. None of these

4. A trend line is a line drawn near the points on the :
 - a. Line Plot
 - b. Graph
 - c. Scatter Plot
 - d. None of these

Part B Instructions: Answer the question below.

5. Describe how the slope of a line relates to a trend line. What does the y-intercept represent?

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Part B Instructions: Answer the question below.

5. Describe how the slope of a line relates to a trend line. What does the y-intercept represent?

The slope of a trend line is the average rate of change for the data. The y-intercept is the estimated value for $x = 0$.