



## Knowledge Check

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1

In the equation of a straight-line  $Y = mX + c$ , the term  $m$  is the:

- A. Slope
- B. Independent variable
- C. Dependent variable
- D. Intercept



Knowledge  
Check

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In the equation of a straight-line  $Y = mX + c$ , the term  $m$  is the:

- A. Slope
- B. Independent variable
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The correct answer is **A**.

In the equation of a straight line  $Y = mX + c$ ,  $m$  represents the slope, and  $c$  is any constant.

**Knowledge  
Check  
2**

**The standard error of the estimate is a measure of:**

- A. Explained variation
- B. Variation around the regression line
- C. Variation of the X variable
- D. Total variation of the Y variable



**Knowledge  
Check  
2**

**The standard error of the estimate is a measure of:**

- A. Explained variation
- B. Variation around the regression line
- C. Variation of the X variable
- D. Total variation of the Y variable



The correct answer is **B.**

**The standard error of the estimate is a measure of the variation around the regression line.**