(01:04) – slide 2, after "that corresponds to the percentage of the variability in the response variable that's explained by the model."
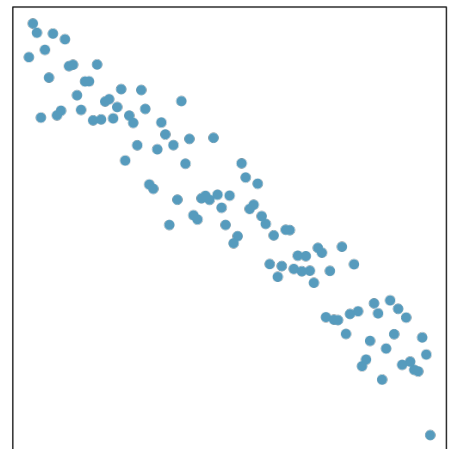
1. The correlation between % living in poverty and % HS graduates was -0.75. What is R-squared?

(a)   0.866

(b)   - 0.866

(c)   -0.5625

(d)   0.5625

(03:04) – slide 4, after "What is the correlation coefficient?"

2. The R-squared for the relationship displayed in the scatterplot is 92.16%. What is the correlation coefficient? Choose the closest answer.

(a)   R = 0.85

(b)   R = -0.85

(c)   R = 0.96

(d)   R = -0.96

Answers:

1. d

Explanation: - $0.75^2 = 0.5625$

2. d

Explanation: $\sqrt{0.9216} = 0.96$, but since the relationship is negative R=−0.96.