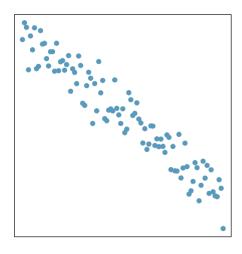
In-Video Quiz Questions for Unit 6: Part 2 – (5) R Squared

(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



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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.