

7. **Blood Pressure and Age.** Consider the following quote from a research project from a basic statistics class. “Age was significantly positively correlated with systolic blood pressure; each one-year increase in age was associated with a 1.22 mm Hg increase in systolic blood pressure ( $p < 0.05$ ).”

Suppose the researcher based this statement on a linear regression model. Which 95% CI is most consistent with the quote?

- (a) (-0.17, 2.62)
- (b) (0.80, 1.43)
- (c) (0.80, 1.63)
- (d) (1.01, 1.45)