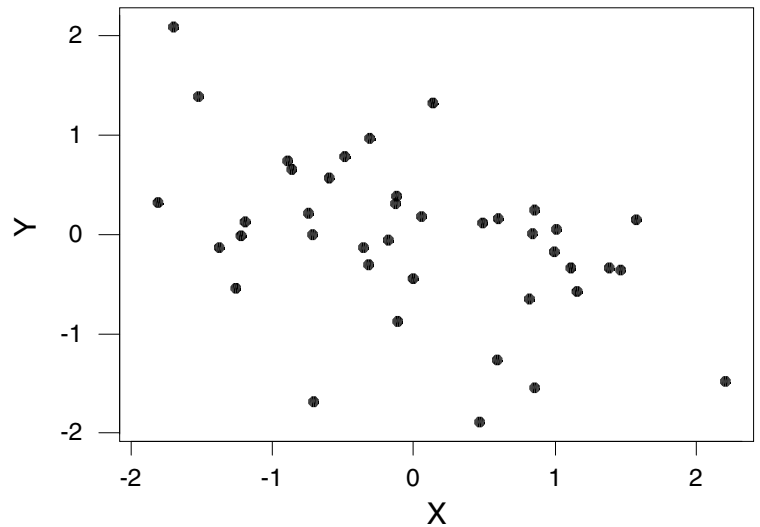


Quiz 6 Feb. 19, 2001, *Statistics for Business*

1. Which of the following values is the correlation coefficient between X and Y in the scatterplot shown at the right?



- A) -0.898
- B) -0.457
- C) -0.018
- D) $+0.292$
- E) $+0.505$

2. The correlation coefficient between X and Y is the same as the correlation coefficient between Y and X .

- A) True
- B) False

3. For any set of data where the numbers are not all equal, the mean of the standardized data will always be 0.

- A) True
- B) False

4. If the relationship between X and Y has a strong curvature, the correlation coefficient between X and Y may be larger than +1.

- A) True
- B) False

Answers: B, A, A, B