

WEEK 6 QUIZ

1. A value of -1 for the coefficient of correlation between two variables means that the two variables are_____.

- not related at all
- perfectly related
- weakly related
- very weakly related
- somewhat strongly related

2. If there is positive correlation between two sets of numbers, then _____.

- $SSE = 1$
- $r = 0$
- $MSE = 1$
- $r > 0$
- $r < 0$

3. If the correlation coefficient between variables X and Y is roughly zero, then_____.

- Y is independent of X
- Y is dependent on X
- there is a linear correlation between Y and X
- Y is not necessarily independent of X
- Y is caused by X.

4. Determine the Pearson product-moment correlation coefficient for the following data.

x	1	12	9	6	5	3	2
y	9	4	4	5	7	7	9