

Answer on Question #85103 – Math – Statistics and Probability

Question

True or false

If the coefficient of correlation $r = 0$, then there can be no linear relationship between the dependent variable T and the independent variable X .

Solution

The statement in the question is true.

If the correlation coefficient of two variables is zero, it means that there is no linear relationship between the variables. However, this is only for a linear relationship; it is possible that the variables have a strong curvilinear relationship.

Answer: True.