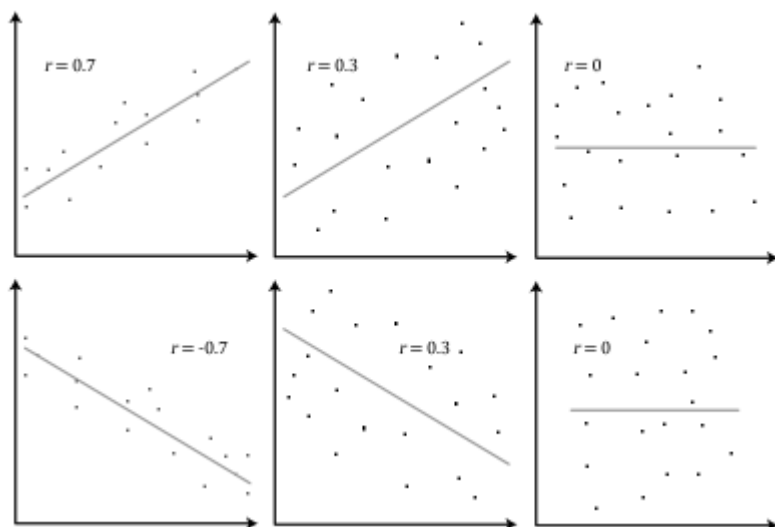


The Pearson correlation coefficient, also referred to as Pearson's r , the Pearson product-moment correlation coefficient (PPMCC) or the bivariate correlation, is a measure of the linear correlation between two variables X and Y . It has a value between $+1$ and -1 , where 1 is total positive linear correlation, 0 is no linear correlation, and -1 is total negative linear correlation.



[Pearson's chi-squared test](#) for categorical variables.

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