

significance of the correlation between those variables, that is variable X and variable Y.

Correlation coefficient (usually represented by r) is index indicating both the direction of the correlation (either positive or negative) and the degree of the relationship between variables. Correlational coefficients can range from -1.00 to +1.00 with positive numbers used to identify a positive relationship and negative numbers being used to identify a negative relationship. The following table can be used to determine the strength of a relationship:

Table 3.1

Simple Interpretation of Correlation

Rxy	Interpretation
0.00 – 0.20	There is correlation between X variable and Y variable, but it is very weak or very low. So the correlation is rejected. In other words, there is no correlation between X variable and Y variable.
0.20 – 0.40	There is weak or low correlation between X variable and Y variable but it is sure.
0.40 – 0.70	There is an enough correlation between X variable and Y variable.
0.70 – 0.90	There is a strong or high correlation between X variable and Y variable.

