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3. Linear or Non-linear Correlation The distinction between linear and non-linear correlation is based upon the consistency of the ratio of change between the variables under study. If the ratio of change between two variables is Uniform then there will be linear Correlation between them. There relationship is best described by a straight line. Any arithmetic Progression is observed in the relationship, which may be Pasitive or Negative. If the Variables under study are graphed, the Plotted Points will form a straight line. In non-linear relationship, which Can also be said curvilinear, the amount of change in one variable does not bear a constant ratio to the amount of change in the other variables. The graph of variable having such a relationship will form a curve.

Ligear (orrelation	show this Pho Curvilinear	Correlation
×	Y	X	Y
20	50	50	10
40	100	55	12
60	150	60	22
80	200	90	34
100	250	98	45
120	300	120	56
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