

<b>Number of points</b>	$N$
<b>Mean of <math>x</math></b>	$\bar{x} = \frac{\sum x_i}{N}$
<b>Mean of <math>y</math></b>	$\bar{y} = \frac{\sum y_i}{N}$
<b>Standard deviation of <math>x</math></b>	$S_x = \sqrt{\frac{\sum x_i^2}{N} - \bar{x}^2}$
<b>Standard deviation of <math>y</math></b>	$S_y = \sqrt{\frac{\sum y_i^2}{N} - \bar{y}^2}$
<b>Covariance</b>	$S_{xy} = \frac{\sum x_i y_i}{N} - \bar{x} \bar{y}$
<b>Regression line: Y vs X</b>	$y - \bar{y} = \frac{S_{xy}}{S_x^2} (x - \bar{x})$
<b>Regression line: X vs Y</b>	$x - \bar{x} = \frac{S_{xy}}{S_y^2} (y - \bar{y})$
<b>Pearson's correlation coefficient</b>	$r = \frac{S_{xy}}{S_x S_y}$