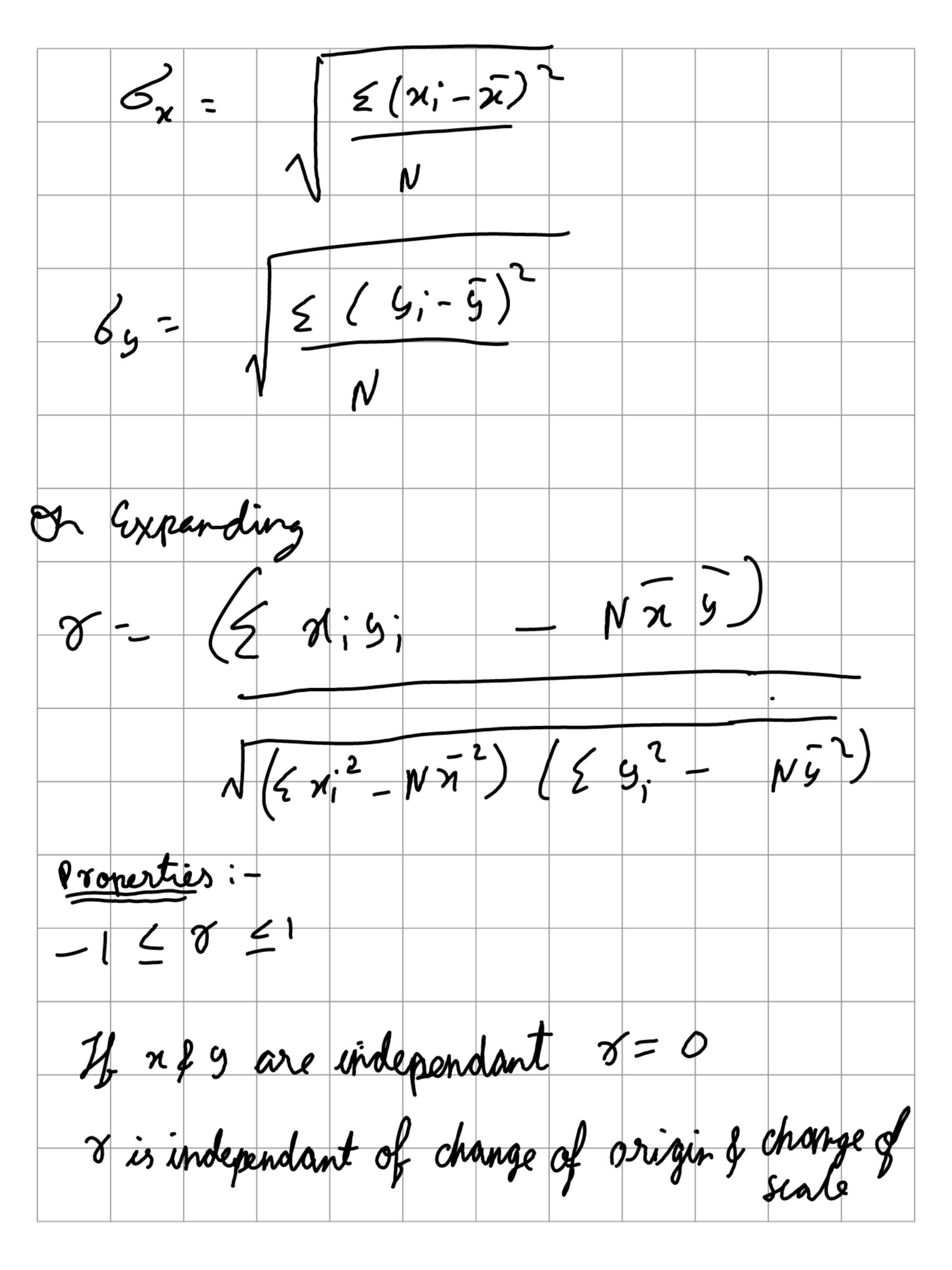
Correlation 1) Positive & Negative Correlation If both variables change in same disation. Then the correlation also - we correlation Example effort & marks tve difficulty & marks Dinear & non Linear Correlation If graph between two variables is straight Line than Linear correlation else it is non linear correlation

Scatter diagram Perfect positive Correlation Perfect Negative Correlation All are in One All are in one st. Line of downwar st. Line & upward High degree + ve Correlation High degree - ve Correlation

Jour degr Positive Co	relation	Jow degree Negative Carrelation
Distance bette points more	iveer	Distance between points more
	correlation	

Karl-Cearsons Coordation Cooperation $y = \angle (x_i - x_i)(y_i - y_i)$ standered deviation Z (xi-x) (yi-5 Coverishe = N-> Number of Samples



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(a) Let
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(a) $(x, y) = 1.6$
 $8^2 - 2.5$ find $6x$
 $6x - 5$

7. $7xx = (xx)(xx)$
 $6x - 5$

0.4 $x = 1$

1.6 $6x$

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$$6x^{2} = 181.34$$

$$6x = 13.47 = 367804$$

$$6y = 2(y)^{2} - N(y)^{2}$$

$$4(y)^{2} = 22938.65$$

$$5(y)^{2} = 22938.65 - (47)^{2} + (45)^{2}$$

$$- 26205.65$$

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