	Pearson Correlation Coefficient of = Cov(X,Y) OICT
1.	$Cov(X,Y) = \sum_{i=1}^{n} (\pi_i - \overline{X})(Y_i - \overline{Y}) \times \frac{1}{n}$
	$= \sum_{i=1}^{n} (x_i Y_i - \overline{X} Y_i - \overline{Y} X_i + \overline{X} \overline{Y}) \times \frac{1}{n}$
	$= (\sum_{i=1}^{n} x_i Y_i - \overline{x} \sum_{i=1}^{n} Y_i - \overline{Y} \sum_{i=1}^{n} x_i + \sum_{i=1}^{n} \overline{x} \overline{Y}) \times \frac{1}{n}$
	$X = \frac{1}{n} \sum_{i=1}^{n} X_i, Y = \frac{1}{n} \sum_{i=1}^{n} Y_i \circ \Box = 1$
	= $(\Sigma_{i=1}^{n} \times i Y_{i} - \frac{1}{n} \Sigma_{i=1}^{n} \times i \Sigma_{i=1}^{n} Y_{i} - \frac{1}{n} \Sigma_{i=1}^{n} \times i \Sigma_{i=1}^{n} Y_{i}$
40 2 cs	$+\frac{1}{n}\sum_{i=1}^{n}x_{i}\sum_{i=1}^{n}Y_{i})\times\frac{1}{n}$
	= $(n\Sigma_{i=1}^{n} \times iY_i - \Sigma_{i=1}^{n} \times i\Sigma_{i=1}^{n} Y_i) \times \frac{1}{n^2}$
	the return of the second of th
2.	$6\chi = \int \sum_{i=1}^{n} (\chi_i - \bar{\chi})^2 \times \frac{1}{n}$
	$= \int \sum_{i=1}^{n} \chi_{i}^{2} + \sum_{j=1}^{n} \overline{\chi}^{2} - \sum_{j=1}^{n} (2\overline{X}X_{i}) \times \overline{h}$
	$= \sum_{i=1}^{n} x_i^2 + \frac{1}{n} (\sum_{i=1}^{n} x_i)^2 - \frac{2}{n} (\sum_{i=1}^{n} x_i)^2 \times \frac{1}{n}$
	$= \int_{n} \sum_{i=1}^{n} \chi_{i}^{2} - (\sum_{i=1}^{n} \chi_{i})^{2} \times \frac{1}{n}$
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٥.	by = In (Yi-Y)2 x In 22+ 20 HHOZ Maister
	$= \int n\Sigma_{i=1}^{n} Y_{i}^{2} - (\Sigma_{i=1}^{n} Y_{i})^{2} \times \dot{n}$ $\Sigma_{i}^{n} (X_{i} - \bar{X}) (Y_{i} - \bar{Y}) \qquad n\Sigma \times y - \Sigma \times \Sigma y$
	$\frac{\Gamma_{1}}{\Gamma_{1}} = \frac{n^{2}}{\Gamma_{1}} = \frac{n^{2}}{\Gamma_{1}} = \frac{n^{2}}{\Gamma_{1}} = \frac{n^{2}}{\Gamma_{1}} = \frac{n^{2}}{\Gamma_{2}} = \frac{n^{2}}{\Gamma_{1}} = \frac{n^{2}}{\Gamma$
	n n(Exy)-Exey n2
	= [[n[x2-([x3]][n[y2-([y]]] 0] ] ] ] ] ] ] [] [] [] [] [] [] [] [] []