



(An Autonomous Institution)
Coimbatore-641035.

UNIT-V DATA ANALYSIS

Correlation

and the last	UNIB-5.
0	The Joun's probability made Function of x and y
The state of the s	× × 1 /
	0 1/8 3/8
	and the coefficient of correlation
F	
	x 0 1 P(x) 4/8 4/8. P(y) 3/8 5/8
	$F(x) = \leq \propto p(\alpha) = 0x4 + 1x4 = 4/8$
	ECYT = SUPCED = CESTES TESTES
	F(x2) \(\alpha^2 \p(\alpha) = 0x4 + 12x4/8 = 4/8
	F(Y2)= SPP18) = 1x3+1x3(=)
	V(x) = E(x2) - E(x) = = = = = = = = = = = = = = = = = = =
	= 4-(8) = 4(1-4/8) = 16 = 1, = 1,
	$E(xy) = \sum_{x} xy p(x,y)$
CONTRACTOR OF THE PARTY OF THE	= (0)(-1) + (0)(1) = + (1)(1) = + (1)(1) = 78
	(マ(x)) = 一号+号=0 (マ(x)) = (x)) = (マ(x)) (マ)
	= 0-4/8 ² /8=-1/8





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= 0-4/82/8=-1/8





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Cov. Matrix =
$$\begin{bmatrix} 0.69 & -0.08 \\ -0.08 & 0.18 \end{bmatrix}$$





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