

Ex.8	For a group of 10 items, $\Sigma x = 452, \Sigma x^2 = 24270$, and $mode = 43.7$. Find Karl Pearson's coefficient of Skewness.												
Ex.9	Find the correlation coefficient for the following data:												
	X	-3	-2	-1	0	1	2	3					
	Y	9	4	1	0.5	1	4	9					
Ex.10	Calculate the regression coefficients and find the two lines of regression for the following data: Find the value of y when x=65.												
	x	57	58	59	59	60	61	62	64				
	y	67	68	65	68	72	72	69	71				
Ex.11	Two judges in a beauty contest rank the 12 contestants as follows												
	x	1	2	3	4	5	6	7	8	9	10	11	12
	y	12	9	6	10	3	5	4	7	6	2	11	1
Ex.12	Calculate rank correlation coefficient.												
	The following data give the experience of machine operators and their performance rating as given by the number of good parts turned out per 100 piece.												
	Operator	1	2	3	4	5	6						
	Performance rating (x)	23	43	53	63	73	83						
	Experience (y)	5	6	7	8	9	10						
	Calculate the regression line of performance rating on experience and also estimate the probable performance if an operator has 11 years of experience.												