

Assignment (2)

Q.1 Ten students got the following percentage of marks in Economics and Statistics.

Roll No.	1	2	3	4	5	6	7	8	9	10
Marks in Economics	78	36	98	25	75	82	90	62	65	39
Marks in Statistics	84	51	91	60	68	62	86	58	53	47

Calculate the Co-efficient of Correlation.

Q.2 Calculate the Co-efficient of Correlation between the marks obtained by students in mathematics and statistics:

	25	30	32	35	37	40	42	45
Mathematics	25	30	32	35	37	40	42	45
Statistics	08	10	15	17	20	23	24	25

Q.3 Find the correlation coefficient between the age and the sum assured from the following table

Age group	10000	20000	30000	40000	50000	No. of persons
20-30	4	6	3	7	1	21
30-40	2	8	15	7	1	33
40-50	3	9	12	6	2	32
50-60	8	4	2	—	—	14
	17	27	32	20	4	100