

Ex. 6 The following table gives, according to age, the frequency of marks obtained by 100 students in an intelligence test.

Ages in years Marks → ↓	18	19	20	21	Total
10-20	4	2	2	—	08
20-30	5	4	6	4	19
30-40	6	8	10	11	35
40-50	4	4	6	8	22
50-60	—	2	4	4	10
60-70	—	2	3	1	6
Total	19	22	31	28	100

calculate correlation coefficient