

1. Define the term “Range” and for the given data calculate range and coefficient of range.

a. 10, 12, 23, 17, 18, 9, 2, 15.

b. C.I. : 10-20 20-30 30-40 40-50
 F : 5 7 4 12

2. Calculate Coefficient of quartile deviation for the following distribution.

C.I	45-50	50-55	55-60	60-65	65-70	70-75
F	16	17	20	21	14	12

3. Calculate Standard Deviation.

C.I	0-2	2-4	4-6	6-8	8-10	10-12
F.	5	16	13	7	5	4

4. Calculate Coefficient of variation.

C.I	40-50	50-60	60-70	70-80	80-90	90-100
Frequency	6	1	2	5	4	10

5. An analysis of the monthly wages paid to the workers in two firms A and B, belonging to the same industry gives the following result.

	A	B
No. of workers	550	650
Average monthly wages	500	450
Standard deviation of wages	$\sqrt{90}$	$\sqrt{120}$

Find the combine mean and Standard deviation of all 1200 workers of the firm taken together.

6. Find mean deviation from Arithmetic mean.

x	5	15	25	35	45
Freq.	1	5	7	4	3

7. Find mean deviation from mode for the following data:

C.I	0-10	10-20	20-30	30-40	40-50	50-60
frequency	7	10	15	10	7	11

8. Find mean deviation from mode for the following data:

X : 2, 3, 2, 12, 10, 12, 3, 2, 2, 0, 2

9. Find mean deviation from median for the following data:

Marks	0-10	10-20	20-30	30-40	40-50
No. of student	1	5	7	4	3

10. Find mean deviation from median for the following data:

X : 20, 10, 50, 10, 15, 25, 45, 25, 20

11. Find coefficient of variance for the given data:

29, 34, 20, 40, 10, 12, 25, 35, 45, 11