

FACULTY OF ENGINEERING & TECHNOLOGY

Dr. Vinod Kumar Yadav Assistant Professor in Mathematics Rama University Uttar Pradesh, Kanpur

Statistical Methods

LECTURE-16

BSc (AG) 2nd Year , IIIrd Sem. Statistical Methods AES-213



Dr. Vinod Kumar Yadav Assistant Professor in Mathematics Rama University Uttar Pradesh, Kanpur

Outline of Lecture

Outline of lecture

- > Measure of Dispersion
- > Numerical Problems on Range
- > Problem on range of Type I, II & III
- Suggested Readings & References



Measure of Dispersion

Numerical problems based on Range, Standard Deviation & Variance

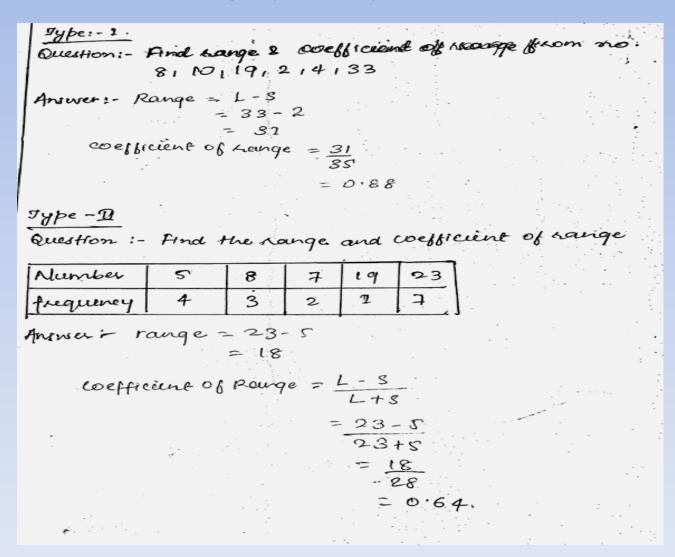
There are three types of numerical problems in range, standard deviation & variance according to

the given observations.

- > Type I
- Type II
- > Type III

We discuss one by one both types.

Numerical problems on Range Type I & Type II



Measure of Dispersion

Numerical problems on Range Type III

class interval	2-10	10-15	15-20	20-28	25-3
frequency	8	7	3	9	2
frequency	8	7	3	9	2
ier	•	1	13.	•	
Range = 30-5	6 ,00				

Suggested Readings & References

Suggested Readings & References

- 1) Statistical Methods: P.N. Arora, Sumeet Arora & S. Arora; S. Chand & Company Ltd.
- 2) Fundamental of Mathematical Statistics: S.C. Gupta & V. Kapoor; Sultan Chand & Sons.
- 3) Statistics: M.R. Spiegel; Schaum's Outline Series, Mc-Graw Hill Publication.
- 4) Advanced Engineering Mathematics: Erwin Kreyszig; John Wiley & Sons Inc.
- 5) Elements of Statistics: J.P. Chauhan & S. Kumar; Krishna Publication.

