SKILL ENHANCEMENT COURSE STRUCTURE FOR 3rd SEMESTER

Statistical Methods-I

Unit-I

Transformation of raw data into discrete and continuous frequency distribution. Representation of statistical data by using bar, histogram and ogive curves. Computational techniques on measures of central tendency:- Arithmetic mean, median, mode, geometric mean and harmonic mean. Computational technique for missing frequency(ies).

Unit-II

Depicting relationship between different measures of central tendency with the help of data sets. Effect of change of origin and scale on arithmetic mean by using data sets. Computational technique for combined mean.

Unit-III

Computational techniques on absolute and relative measures of dispersion:- Range, mean deviation, quartile deviation and standard deviation. coefficient of variation. Effect of change of origin and scale on standard deviation by using data sets.

Unit-IV

Theory of Attributes: Classes and class frequencies, order of classes, Relation between class frequencies, Consistency of data, independence and association of attributes.

REFERENCES

1.Bhat B.R, Srivenkatramana T and Rao Madhava K.S (1997): Statistics: A Beginner's Text, Vol 1., New Age International (P) Ltd.

2. Croxton F. E, Cowden D.J and Kelin S (1973): Applied General Statistic, Prentice Hall of India.

3. Spiegel, M.R. (1967): Theory & Problems of Statistics, Schaum's Publishing Series.

4. S.C Gupta and V.K Kapoor (2007): Fundamentals of Mathematical Statistics.11th edition(reprint) Sultan Chand and sons.