

5305 NEW

M. Com (Accountancy & Statistics): Final

5.5 Advanced Statistical Analysis

Unit-1

Moments and Kurtosis, Probability including mathematical expectations, Bayesian Approach. Interpretation of Statistical Data: meaning, errors of interpretation and precautions

Unit-II

Interpolation and Extrapolation, Vital Statistics: Meaning, Measurement of Mortality, fertility and population growth

Unit-III

Non-parametric tests: Sign test, Run test, Signed Rank Test, Kruskal Wallis Test, Median Test, Kolmogorov-Smirnov Test, Mann-Whitney U Test, Kendall's Coefficient of concordance.

Unit-IV

Statistical Decision Theory and Statistical Quality Control

Unit-V

Partial and Multiple Correlation and Regression, Issues in Regression: Multicollinearity, Heteroscedasticity and Autocorrelation.

Suggested Readings:

1. Gujarati, Damodar N & Sangeetha: Basic Econometrics, Tata McGraw Hill
2. Gupta, S.P.: Statistical Methods, Sultan Chand & Sons, New Delhi
3. Gupta, B.N. : Business Statistics, S.B.P.D. Publication, Agra
4. Hooda, R.P. – Statistics for Business and Economics, Vikas Publishing
5. Nagar K.N. : कक्षा 10 के लिए रसायन विज्ञान, Meenaskhi Prakashan, Meerut
6. Sancheti and Kapoor: Statistics (Theory, Methods & Application), Sultan Chand & Sons