

6. Townsend : Experimental Psychology
7. McGuigan : Experimental Psychology
8. Broota, K.D. : Experimental design of Research in Behavioural Science
9. Bhatnagar : Experimental design of Research in Behavioural Science
10. Blalock and Blalock : Methodology in research; Research Designs and Experimental Methods.
11. भटनागर : व्यावहारिक अनुसंधान की विधियाँ एवं परिमाण
12. कपिल : अनुसंधान विधियाँ
13. लालचन त्रिपाठी : मनोवैज्ञानिक अनुसंधान पद्धति
14. पारसनाथ राँय : अनुसंधान विधियाँ

PAPER-IV
PSYCHOLOGICAL STATISTICS

UNIT-I

Meaning, Significance of Psychological statistics; Measures of Central Tendency, Measures of Variability - Q-D, A.D. and S.D.

Measures of relative positions and percentile ranks. Normal distribution properties and its implications.

UNIT-II

Correlation Methods : Meaning, product moment correlation, Spearman's rank difference method, Further methods of correlations, Biserial, Point Biserial, Tetrachoric and Phi-coefficient.

Partial and multiple correlations - Meaning, Partial correlation of coefficient significance of partial correlation coefficient and its interpretation.

UNIT-III

Regressions and Prediction - Regression equations in Deviation and score from. Accuracy of Predictions from Regression equation, standard error of prediction Regression effects.

The significance of the mean and of other Statistics-significance of the Mean, Median, Standard deviations, percentages and coefficient of correlation. The significance of the Difference between Means,

Standard Deviation's and correlated and uncorrelated groups.

UNIT-IV

Non-parametric statistics - chi-square, sign test, Median test and Mann Whitney U Test.

Analysis of variance - one way, two way.

UNIT-V

Factor and Cluster Analysis - Principle and Diagonal Methods, Cluster analysis - B-Coefficient method.

Data Analysis and the Computer, Computer Fundamental and components of Computer.

BOOKS RECOMMENDED :

1. Garrett : Statistics in Psychology and Education (Hindi and English Edition).
2. Guilford : Fundamental Statistics in Psychology and Education.
3. Edwards : Statistical Methods in Behavioural Research,
4. McNemar Psychological Statistics.
4. Gupta : An Introduction to Statistical Methods.

5. Dawnie & Heath : Basic Statistical Methods.
6. Siegel : Non-Parametric Statistic.
7. Srivastava : Elementary Statistics in Psychology and Education.
8. प्रीति वर्मा एवं डी.एन. श्रीवास्तव : मनोविज्ञान एवं शिक्षा में सांख्यिकी
9. कपिल : सांख्यिकी के मूल तत्व
10. लाभसिंह, द्वारकाप्रसाद एवं महेश भार्गव : मनोविज्ञान एवं शैक्षिक सांख्यिकी के मूल आधार
11. त्रिपाठी, रघुवंश : अप्रचलित सांख्यिकी, हरप्रसाद भार्गव, कचहरी घाट, आगरा
12. Chadha, N.K. and Sehgal, P.R.L. : Statistical Methods in Psychology, New Delhi (E.E.P.) (1984)