

WORKSHOP-II

Pre-conference Workshop on

Introduction to Discriminant function analysis (DFA)

Course-coordinator : Dr. Debdulal Dutta Roy, Associate Professor, Psychology Research Unit, Indian Statistical Institute, Kolkata and Division convener of Psychological Assessment section of NAOP.

Learning objective : Orientation training on (a) theory, (b) estimation and (c) validation of Discriminant function analysis.

Time: 4 hours.

Background : Discriminant function analysis (DFA) is useful multivariate statistical tool for prediction of group membership through linear combination of predicting variables. Determination of cut off point or classification of people based on cut-off point is most critical issue in HRD for selection, in organisational behaviour for organisational effectiveness, in Education for academic achievement, in Clinical psychology for developing biology, in brain Science for substrate classification. Such prediction is important in all disciplines of psychological, social and engineering sciences. Besides, basic knowledge of DFA provides insight to researcher in determining explanatory variables. This reduces research timing. DFA is useful in questionnaire and Psychological test construction. It can increase reliability and validity of the psychological instrument.

Proposed workshop will cover three issues - (a) assumption of computing DFA, (b) stepwise discriminant function analysis, and (c) Classifying based on actual and predicted group difference (d) validation of Discriminant function.

Pedagogy : Lecture and Demonstration.

Number of trainees: 40

Eligibility :Post-Graduates with interest in quantitative data analysis. Trainees are requested to bring relevant software in the laptop.

Teaching learning material : SPSS, r-programme