



National Institute of Educational Planning and Administration

(Deemed to be University)

17-B, Sri Aurobindo Marg, NEW DELHI 110016

www.niepa.ac.in

Research Methodology Course on Large Scale Survey: Data Analysis and Tools (26th August- 6th September, 2019)

Background

This Research Methodology course is designed to provide an introduction to the social science research with a focus on research in education, developing research proposals, sample surveys, data collection methods, etc. The course aims to introduce various data sources, analytical tools on social and educational research studies. The central aim is to assist the participants in viewing education, its processes and outcomes through understanding and analysing the existing nationally representative large scale surveys. In addition, it enables to equip them to carry out their own primary surveys. The participants will be introduced to examine issues related to the social and educational research studies.

Methods and tools of analyses used to address various issues such as: Demand for Education – Determinants of demand for Education; Disparities in Education – regional, inter-state and intra-state, etc; Inequality in Education – income, gender, social groups, etc; Determinants of various qualitative decisions in educational choices, etc

This exercise will help the participants to orient and learn to apply the methods and tools of analysis to various educational issues. Participants will be introduced to examine and explore available data sources such as NSS, IHDS, NFHS, etc. This two week training course aims to introduce the data analysis and tools and their relevance in analyzing the education issues and problems.

The following are the specific objectives of the workshop:

- ✚ To enable to use the available large survey data on issues relating to education
- ✚ To introduce the database and appreciate its application to understand the education issues

- ✦ To enable the participants to appreciate and apply quantitative techniques to analyse educational issues
- ✦ To facilitate the application of quantitative or econometric techniques to the issues of education

Themes

We propose to cover the following broad themes:

- ✦ Introduction to Social Science Research
- ✦ Introduction to Research in Education
- ✦ Different Approaches to Research Methodology
- ✦ Quantitative Methods
- ✦ Qualitative Methods
- ✦ Mixed methods
- ✦ Writing a Research Proposal
- ✦ Sampling Methods
- ✦ Sample Surveys
- ✦ Developing instruments for Data collection
- ✦ Process of data collection, coding and preparing data sets
- ✦ Large Survey Data sources like NSS, NFHS, IHDS, DHS, etc
- ✦ Tabulation and cross tabulation,
- ✦ Descriptive Statistics
- ✦ Correlation, ANOVA, etc
- ✦ Identifying the Association and Relationship
- ✦ Simple Bivariate and Multiple Linear Regression
- ✦ Violation of the OLS Assumptions and their Remedy
- ✦ Limited Dependent Variable models
- ✦ Bivariate Probit and Logit models
- ✦ Multinomial and Ordered Probit and Logit models
- ✦ Censored Regressions: Tobit Models
- ✦ Presenting and interpreting the results

Methodology

The programme will be based on lecture discussions, panel discussions and practicals. These lecture sessions will be followed with hands on training sessions. The workshop attempts to give an exposure to various data sources and their extraction. The participants are expected to get a hold over some of the widely used software like SPSS, STATA.

Resource Persons

These themes and topics will be covered by resource persons from NIEPA, and experts from other academic institutions in India.

Participants

The clientele group of the programme consists of young researchers and research students working in research institutes and universities. The workshop is intended for young researchers working on Education and related issues. The knowledge on basic statistics, mathematics, basic econometrics and statistical software such as SPSS, STATA, etc is desirable. Participants are expected to bring their individual laptops. Maximum of only 30 participants will be shortlisted for the workshop. The selected participants will be reimbursed their travel expenses.

Lodging and Boarding

The Guest house at NIEPA provides lodging (twin-sharing basis) and boarding to the participants of the programme.

How to Apply

Participants are requested to write about 300 words about why they would like to attend this workshop and submit their brief CV. Interested Participants can send their SOP and a brief resume to the email id: geetha.nuepa@gmail.com on or before 5th August 2019. Shortlisted candidates will be intimated by 10th August, 2019 and they are expected to be registered by confirming their participation in the course on or before 18th August 2019.

Programme Management

The programme will be organized by the Department of Educational Planning. The overall management of the program will be guided and facilitated by Prof.K. Biswal, Head of the Department of Educational Planning along with Dr.N.K. Mohanty and Dr. Suman Negi from the same department.

Programme Coordinator:

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