

A week-long workshop on
Advanced Quantitative Methods for Social Sciences using R and Python
(September 18-22, 2023)

Organised by

Institute of Development Studies Kolkata

*(A Centre of Excellence in Social Sciences funded by the Government of West Bengal and
recognised by the Indian Council of Social Science Research)*

DD 27/D, Sector I, Salt Lake, Kolkata 700064. URL: <http://idsk.edu.in/>

Objective of the workshop

The workshop is intended for the researchers in Social Sciences (Economics, Development Studies, Population Studies and other branches of social sciences) who are having a strong quantitative component in their ongoing research work which requires applications of advanced quantitative tools using R and/or Python. The workshop would focus on analytical interpretational and communicative aspects of advanced quantitative techniques applied to social science research problems, in general and economics, demography, development studies and public policies, particular. The empirical illustrations to be used in the workshop will be drawn from issues connected to economics, population studies, development studies and public policies providing a broad interdisciplinary perspective on the use of advanced quantitative methods.

Topics to be covered

- Non-parametric Econometric Methods
- Quantile Regression
- Basic Panel Data Techniques
- Impact Evaluation Techniques
- Ordered and Multinomial Logit and Probit Models
- Spatial Econometrics
- Survival Analysis
- Basic and Advanced Applications of R
- Basic and Advanced Applications of Python

Who can apply?

PhD students and young faculty members in colleges, universities and research institutions (belonging to any discipline of social sciences) having a strong component of Quantitative analysis in their ongoing research work. An applicant must possess essential knowledge of Statistics/Econometrics and must have

done at least the first course on Statistics or Econometrics covering Probability and Distribution theories, classical linear regression and basic limited dependent variable models. It is also preferable that the applicant is familiar with any of the population statistical software such as Stata or SPSS.

How to apply

Application can be made online using the following link:

<https://forms.gle/bD835iFdnZkqtw5n8>

What we provide

- All the sessions will be conducted through physical (offline) mode.
- Essential reading materials will be provided in soft versions.
- After the completion of the workshop, participants will be awarded with certificates of participation.
- All participants will be provided with lunch and tea-snacks for all the five days.
- Outstation applicants need to arrange their own accommodation and transport.
- Participants are required to bring their own laptop for the workshop.

Workshop Fee

Rs. 3000/- (Rupees three thousand only). Workshop fee is payable online only after the applicant is selected to attend the workshop.

Intake Capacity

30 (maximum)

Important Dates

- Last day for application: **September 11, 2023**
- Communication to the selected candidates: **September 13, 2023**
- Confirmation of participation and payment of workshop fees: **September 13-15, 2023.**
- Workshop: **September 18-22, 2023**

Workshop Coordinators

Dr Subrata Mukherjee & Dr Pallabi Das, Institute of Development Studies Kolkata.

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