



SHAHEED BHAGAT SINGH COLLEGE
UNIVERSITY OF DELHI

DEPARTMENT OF ECONOMICS

In Collaboration With

The Indian Econometrics Society (TIES)
Under the Aegis of IQAC

Organises
Three Day Workshop on

**QUANTITATIVE METHODS
FOR ECONOMIC
RESEARCH**

Theoretical Foundation | Hands On Training | Hybrid mode

24-26 September 2025

ABOUT THE COLLEGE

Established in 1967, Shaheed Bhagat Singh College, University of Delhi, is a distinguished institution of higher learning accredited with an 'A' grade by NAAC. Located in Sheikh Sarai, New Delhi, the college is recognized for its commitment to academic excellence, vibrant campus culture and holistic student development. It offers a wide spectrum of undergraduate and postgraduate programs in diverse disciplines, supported by modern infrastructure including technologically equipped classrooms, a comprehensive library and advanced computer laboratories.



ABOUT TIES

Established in 1960, The Indian Econometric Society (TIES) is among the oldest and largest professional bodies of econometricians and quantitative economists with over 2,000 members from India and abroad. The society organizes annual conferences, workshops, training programs and publishes the internationally reputed Journal of Quantitative Economics (JQE).

Objectives

- To provide a forum for researchers in India and abroad through conferences and deliberations.
- To promote the development of econometric methodology and techniques with special emphasis on Indian conditions and challenges.
- To undertake training, research and publication of econometric studies through its journal and other platforms.

ABOUT THE DEPARTMENT

The department emphasizes rigorous training in theory and quantitative methods, preparing students for higher studies, research and professional careers in economics and related fields. With a dedicated faculty of 18 members, it offers B.A. (Hons.) Economics and B.A. Programme courses that provide a strong academic foundation coupled with practical exposure.



ABOUT THE WORKSHOP

The Workshop on Quantitative Methods for Economic Research is designed to strengthen participants' understanding of econometric tools and techniques through a structured combination of lectures, discussions and interactive sessions.

Objectives

- Provide foundational understanding of econometric methodology and analytical techniques.
- Designed to engage faculty members currently teaching or intending to teach Quantitative Methods to fourth year Economics Honours students and learners in allied disciplines within the social sciences.
- To provide hands on training in R Studio, perform empirical analysis and make informed forecasts and policy decisions.

Resource Persons



Prof. Neeraj Hatekar
Azim Premji University,
Bengaluru



Prof. Vikram Dayal
Institute of Economic Growth,
Delhi



Dr. Wasim Ahmad
Associate Professor, Department
of Economic Sciences, IIT Kanpur



Dr. M. Rahul
Assistant Professor, Institute of
Economic Growth, Delhi



Dr. Lokendra Kumawat
Associate Professor,
University of Delhi

- Online recordings of all lectures will be provided.
- Certificate of participation will be awarded to all the registered participants.
- Participants are required to arrange for their own travel and accommodation.
- Registration Fee: Faculty: ₹1000
Research Scholars: ₹500



PROGRAM SCHEDULE

DAY 1: 24 SEPTEMBER (ONLINE)	
10:00 AM - 5:30 PM	Data collection – primary vs secondary data, survey design and sampling, understanding economic and social datasets, working with large datasets (Census, NSS, NFHS, satellite data, etc.), high-dimensional and high frequency data and its applications in economic research, regression with panel data – pooled OLS, fixed effects vs random effects models.
DAY 2: 25 SEPTEMBER (ONLINE)	
10:00 AM - 5:30 PM	Introduction to causal inference, Regression Discontinuity Design (RDD), matching methods (propensity score matching, synthetic controls), case studies and applications, Difference-in-Differences (DID), Randomized Control Trials (RCTs)
DAY 3: 26 SEPTEMBER (HYBRID)	
10:00 AM - 5:30 PM	Time series analysis – Introduction, ARMA and ARIMA models and forecasting, ARDL models, non-stationarity and unit roots, tests for unit roots (simple and with structural breaks), binary dependent variable models – LPM, logit and probit models

- Complete program schedule will be provided to registered participants only.
- Tea and Lunch will be provided to registered participants attending offline on 26 September at SBSC.

ORGANISING COMMITTEE

PATRON
Prof. Arun Kumar Attree
Principal

IQAC CONVENOR
Prof. V.A.V. Raman
Department of Geography

TEACHER IN CHARGE
Dr. Saumya Verma
Department of Economics

CONVENOR
Dr. Amit Kumar Sharma
Department of Economics

Advisory Committee

Dr. K. Shanmugan
Secretary, TIES
Associate Professor, Department of Business Economics,
The M.S. University of Baroda, Vadodara

Dr. Lokendra Kumawat
Executive Council Member, TIES
Associate Professor, University of Delhi

Organising Team (Faculty)

Dr. Jai Ram Meena
Dr. Nahid Parveen
Mr. Shubh Sejwar
Ms. Saumya Kumar

Ms. Gurbinder Kaur
Dr. Ashish Singh
Mr. Pankaj Yadav

Dr. Pragya Nayyar
Mr. Naman Jain
Mr. Deepanshu Yadav
Ms. Jaspreet Kaur

Register here : <https://eazypay.icicibank.com/eazypayLink?P1=NTnfYRZH1fb5HZPx3Xn6KQ==>
or Scan the QR Code



For queries related to this workshop, mail us at:
qmworkshop2025@sbs.du.ac.in
or contact Ms. Swati: +91 8368715742

Join Us On Zoom: 



Location: **Shaheed Bhagat Singh College**

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