



## **Five Days National Workshop on NSSO, NFHS and IHDS Data Analysis for Empirical Research**

*organized by*

**Department of Economics**

**St. Xavier's University, Kolkata**

***Date: 10th -14th November 2025***

***Venue: St. Xavier's University, Kolkata Campus***

**Action Area III, B, Newtown, New Town, West Bengal 700160**

### **About St. Xavier's University, Kolkata**

St. Xavier's University, Kolkata, established in 2017, is a prestigious institution rooted in the Jesuit tradition of academic excellence and holistic education. Founded under the visionary leadership of Rev. Fr. Dr. John Felix Raj, the university embodies the Jesuit commitment to intellectual rigor, social responsibility, and service to humanity. Located in the New Town area of Kolkata, the university offers a serene and inspiring environment conducive to learning and research. The university provides a wide range of undergraduate, postgraduate, and doctoral programs across disciplines, including Humanities and Social Sciences, Commerce, Law, Science and Management. Since its inception, St. Xavier's University has been dedicated to fostering academic excellence, innovation, and ethical values in its students, preparing them for leadership roles in a dynamic global landscape. The institution prides itself on its modern infrastructure, state-of-the-art facilities, and a vibrant campus life that supports holistic development and the cultivation of critical thinking skills. St. Xavier's University, Kolkata, continues to expand its academic and research horizons, becoming a beacon of quality education and social consciousness in Eastern India and beyond.

## About Department of Economics

The Department of Economics at St. Xavier's University, Kolkata, commenced its academic journey in July 2018 with undergraduate and postgraduate programs, and expanded to offer a Ph.D. program in specialized economic research from June 2020. In alignment with contemporary academic reforms, the department adopted and implemented the National Education Policy (NEP) in 2023.

With a commitment to academic excellence, the department provides a modern and industry-relevant curriculum at both undergraduate and postgraduate levels. Students gain hands-on exposure to advanced statistical tools, econometric software, and diverse datasets, fostering strong analytical and professional competencies. To enhance the learning experience, the department employs innovative pedagogical methods while actively encouraging students to pursue meaningful research. In addition to its rigorous curriculum, the department frequently organizes expert lectures, workshops, and training programs. Students also benefit from dedicated guidance for competitive examinations and corporate placements, ensuring their preparedness for both academic and professional pursuits. A highly efficient and committed placement committee—comprising faculty members and student representatives—further strengthens career prospects. With its strong academic foundation, research orientation, and focus on holistic development, the Department of Economics continues to nurture future leaders in economics and related disciplines.

The department is blessed with a highly dedicated and resourceful faculty. The areas of specialization and academic interests of the faculties include Open Economy Macroeconomics, Mathematical Economics, Macro Economics, Health Economics, Development Economics, Labour Economics, Political Economy, Energy Economics, Applied Econometrics and Environmental Economics.

The Economics Society, XAVECOS, actively organizes events throughout the academic year, including intra-departmental debates, economics summits, and conferences, to provide students with opportunities for practical exposure, skill development, and engagement beyond the classroom.

## Objective of the Workshop

- To introduce participants to the structure, scope, and key features of NSSO, NFHS, and IHDS datasets.
- To explain the questionnaire design and sampling methodologies employed in these databases.
- To train participants in accessing, cleaning, and preparing these datasets for effective analysis.

- To develop participants' proficiency in applying statistical software tools (R and STATA 17) for data analysis.
- To illustrate practical applications through examples of research conducted using these datasets.

## Target Audience

- Master's students, Ph.D. scholars, and early-career faculty members from social science disciplines at UGC-recognized colleges, universities, and research institutes across India.
- Professionals working in NGOs and policy think tanks.
- The workshop will accommodate approximately 30–35 participants.
- Participants bringing their own laptops are required to have STATA 17 and R software pre-installed.

## Procedure for Application

- Candidates must register using the following link with an updated copy of recent cv by *10th October 2025*
- Registration Link: <https://forms.gle/HYAAr5kA6L952KY26>
- Selected candidates will be intimated via official Email by *15th October 2025*
- Selected applicants need to send the non-refundable registration fee INR 3000/- (including GST) to the following Bank details by *30th October 2025*
- Send the payment details (Transaction ID and the date of payment) in soft copy via Email to [sayantan.bmajumder@sxuk.edu.in](mailto:sayantan.bmajumder@sxuk.edu.in) by *2nd November 2025*
- Bank Details:
  - Beneficiary Name: ST. XAVIER'S UNIVERSITY KOLKATA ALUMNI ASSOCIATION
  - Branch IFSC Code: CNRB0019721
  - Account Number: 97212010001155
  - Bank Name: Canara Bank
  - Branch Name: ST XAVIER'S UNIVERSITY RAJARHAT CAMPUS KOLKATA
- Paid accommodation at the campus is available upon request.

## Tentative Schedule

Day	Content	Resource Person
10th November	NFHS data: Introduction to NFHS data; Structure of NFHS data; Data Management and Merging; Application of NFHS data	<b><i>Dr. Poulami Chatterjee</i></b> Assistant Professor, St. Xavier's University, Kolkata  <b><i>Dr. Aparajay Kumar Singh</i></b> Assistant Professor, St. Xavier's University, Kolkata
11th November	IHDS data: Introduction to IHDS & Panel Design; Structure of IHDS Panel Data; Data Management & Merging (Merging various files – within waves and across waves, managing attrition and household splits, handling weights – cross-sectional and panel, Inflation adjustments); Basic Panel Analysis & Applications (Cross-sectional vs. panel analysis, Transition matrices, Fixed Effects vs. Random Effects Regression, Attrition bias and missing data)	<b><i>Dr. Debasis Barik</i></b> Senior Fellow, NCAER National Data Innovation Centre
12th November	NSSO data: NSSO Time Use survey (2019-2020) Introduction to Time Use Surveys and Relevance; NSSO TUS 2019 – Methodology & Classification (Handling of the raw data); Key Empirical Findings & Patterns from TUS 2019; Applications & Econometric Analysis using TUS Data	<b><i>Dr. Chayanika Mitra</i></b> Assistant Professor, St. Xavier's University, Kolkata
13th November	NSSO data: Consumption expenditure survey 2022-23 as the example data set First Principles of using micro data of NSS; Insights into capturing variation through sample surveys; Key ideas of sampling design of NSS surveys; Grammar of reading text data; Extracting text data to tabular data using R; Using 'tidyverse'	<b><i>Dr. Md Zakaria Siddiqui</i></b> Associate Professor, Department of Economics, Jamia Millia Islamia
14th November		

	programming environment in R for data wrangling; Merging the data files recorded at different unit levels; Understanding unit of data vis-a-vis unit of analysis; Contextualizing the use of sampling weights during analysis; Developing group level estimates using ‘srvyr’ package; ggplot2 for developing exploratory charts	
--	--	--

## Faculty Conveners

### *Dr. Sayantan Bandhu Majumder*

Assistant Professor, Department of Economics  
St. Xavier’s University, Kolkata

### *Ms. Srijita Ghosh*

Assistant Professor, Department of Economics  
St. Xavier’s University, Kolkata

## Organizing Committee

Dr. Subhanil Chowdhury, Associate Professor, Department of Economics, St. Xavier’s University, Kolkata

Dr. Swapan Chakraborty, Assistant Professor, Department of Economics, St. Xavier’s University, Kolkata

Dr. Damayanti Sen, Assistant Professor, Department of Economics, St. Xavier’s University, Kolkata

## For any further query:

Debosmita Gupta (MA Economics Student)  
Email ID: [debosmitagupta2@gmail.com](mailto:debosmitagupta2@gmail.com)  
Contact No.: 7482892778