BITS Pilani
Pilani Campus
Department of Economics and Finance

FIVE DAYS' NATIONAL WORKSHOP
On
NSSO CROSS-SECTIONAL UNIT-LEVEL SURVEY DATA ANALYSIS FOR EMPIRICAL RESEARCH USING STATA & R STUDIO
(Hybrid mode-Offline/Online)
February 21-25, 2024
Call for Registration

ABOUT THE WORKSHOP

One of the most critical aspects of research in science, social sciences, and management is acquiring a comprehensive understanding of the complexities of quantification. However, most researchers often face the problem of quantification due to a lack of in-depth understanding of the nature of variables in quantitative and qualitative datasets. Therefore, there is an immense need to understand both theoretical knowledge of the tools and techniques through research methodology workshops. In this context, the use of NSSO unit-level datasets is pertinent for doing quantitative and qualitative data analysis using software such as STATA and R Studio, which will help the young researcher to conduct their research scientifically. In India, government agencies publish various large-scale unit-level survey datasets for empirical research, for example are the National Sample Survey Organisation (NSSO), National Family Health Survey (NFHS), Longitudinal Ageing Study in India (LASI), etc. These databases are used to conduct empirical research and helpful for prediction and policy purposes. The main objective of the present Workshop is to provide a helping hand for those working basically on different NSSO rounds by using STATA and R Studio Software. In addition to this, distinguished academics and industry specialists will deliver talks on the practical applications of the large-scale survey datasets.

REGARDING NSSO DATASETS

The National Sample Survey Office (NSSO), Ministry of Statistics and Programme Implementation (MOSPI), Government of India, has been conducting nationwide integrated large-scale sample surveys since 1950 to aid in planning and policy formulation. The datasets provided by the NSSO are a rich source of information on many socio-economic aspects such as estimating, employment, poverty, migration, informality, inequality, health and education etc. The NSSO survey is conducted by interviewing specific sample households selected through scientific design as well as practical coverability of all the geographical areas of Indian territory. The NSSO unit-level dataset is unique because a larger sample size allows for greater disaggregation.

OBJECTIVES OF THE WORKSHOP

Although some researchers can handle NSS data, only a few possess a comprehensive knowledge of the principles behind sample weights and their role in producing aggregate estimates. This workshop will provide a unique experience of hands-on training on utilizing the NSSO unit-level datasets with the help of statistical software like STATA and R Studio. Through this Workshop, the Department of Economics and Finance intends to:

- provide a better understanding of documentation of NSSO-related surveys and enhancing critical thinking on the large-scale survey data analysis.
- Hands-on training platform, practice session and method of handling large-scale sample survey unit-level data analysis for qualitative and quantitative analysis using STATA and R Studio software.
- Understanding the sampling framework of the NSSO unit-level datasets.
- In addition, the workshop imparts appropriate methodologies for analyzing and doing empirical research by using NSSO unit-level datasets.

TOPICS TO BE COVERED IN THE WORKSHOP

- An Introduction to the NSSO unit-level Survey Data Analysis
  - Reading the raw data from the text files, understanding the layout file and schedule files of the NSSO.
  - STATA & R Studio software File Format and Data Management for big data analysis.
- Hands-on training/practice to extract the unit-level NSSO data
  - NSSO unit-level survey data analysis (Extraction, Merging, tabulation, etc.) using STATA and R Studio (NSSO PLFS & Health Data).
  - Generating summary statistics and creating visual tools using these software.
  - Practical application for empirical research from different NSSO unit level data sets in STATA and R Studio.

WHO CAN ATTEND THIS WORKSHOP?

- Ph.D. scholars who are in their various stage of their research in the fields of Economics, Finance, Management, Social Sciences & Humanities.
- Faculty / Research Associates / Postdocs / Corporate & Industry Professionals / Others from Universities, Institutes and collages of Higher education and learning across India and the World.

RESOURCE PERSONS

- Prof. Arup Mitra, Dean, South Asian University, New Delhi
- Prof. Udaya S. Mishra, International Institute for Population Sciences (IIPS), Mumbai
- Prof. Keshab Das, Dean, KIIT Bhubaneswar
- Dr. Partha Pratim Sahu, NIRD&PR, Hyderabad
- Dr. Md Zakaria Siddiqui, Jamia Milia Islamia University, New Delhi
- Dr. Pratap Chandra Mohanty, IIT Roorkee, Uttarakhand
- Dr. Jajati Keshari Parida, Central University of Hyderabad, Hyderabad
- Dr. William Joe, Institute of Economic Growth, New Delhi

IMPORTANT DATES

Last date for the Registration:	14th February 2024
Communication to the participants:	15th February 2024
Workshop dates:	21st to 25th February 2024

REGISTRATION FEE:

The registration fee payment is mandatory to attend this workshop. The fee is inclusive of all taxes.

Type of Participants	Participants from India (in ₹)		Participants from Outside India (in $)	
	Offline	Online	Offline	Online
Faculty / Research Associates / Postdocs,Corporate & Industry Professionals / Others	₹3500	₹3000	$250	$150
PhD Research Scholars/Students	₹3000	₹2000	$200	$100

Note:

- Registration fees, once paid, will not be returned in any circumstances.
- The registration fee only includes a workshop kit, high tea, and food (Breakfast, Lunch & Dinner) for the offline participants.
- The certificate will only be provided to the offline and online participants who have attended all the sessions during the valedictory session.
- Receipts to the scholars with fellowship will be provided to claim the registration fee in their contingencies.

BANK DETAILS:

Beneficiary Name :	Birla Institute of Technology & Science, Pilani		
IFSC CODE No.	ICIC0001538		
Bank Account No.	079901000123		
Bank	ICICI Bank Ltd.		
City | Branch	ICICI BANK LTD., PILANI		
MICR No.	333229175	Swift Code →	ICICINBBNRI

HOW TO APPLY

Participants (Offline/Online) can apply for the Workshop using the Google Link:

Offline - *https://forms.gle/ck5tDVrz2vrkrLkG6*

Online - *https://forms.gle/X8RhzQ8Kw6ECyWbZ6*

For any specific quries, write to us on: *nssodatabits2024@gmail.com*

The information relating to the workshop is accessible through the following link:

Workshop Convenor

Dr. Balakrushna Padhi

Department of Economics and Finance, BITS Pilani - Pilani Campus

Workshop Co-Convenors

Dr. Krishna M. (Head of the Department)
Dr. Debi Prasad Bal
Dr. Rahul Arora

Department of Economics and Finance, BITS Pilani - Pilani Campus

ABOUT THE INSTITUTE

The BITS Pilani is committed to delivering high-quality education and making significant contributions to the area of research.Started in the early 1900s as a small school, which gradually blossomed into a set of colleges for higher education ranging from Humanities to Engineering. Birla Institute of Technology & Science (BITS), Pilani, has been recognized as an institution deemed to be a university since 1964. The continuous effort of BITS Pilani to impart the highest quality of technical and management education has been rewarded by the Government of India recently when it achieved the status of Institution of Eminence. Over the years, BITS Pilani has provided the highest quality technical and management education to students from all over India, admitted on merit. BITS Pilani is located in the Vidya Vihar campus adjacent to Pilani in Rajasthan.

ABOUT THE DEPARTMENT OF ECONOMICS AND FINANCE

The Department of Economics & Finance at Pilani Campus is one of the oldest departments of the Institute. The current Master's degree in Economics program started in 1964. At present, it is offering two-tier programs, Integrated M.Sc. Economics with dual Engineering Degree and Ph.D. program of the Institute. The Department also offers a Minor in Finance, a Minor in Computational Economics, and a Ph.D. (Both Full-time and Part-Time). The Department promotes quality education, nurtures young talents, and enriches intellectual contributions regarding research output in identified thrust areas.

innovate achieve lead