



**International Institute for Population  
Sciences Alumni Association (IIPSAA)**



**&**

**International Institute for Population Sciences (IIPS)**

*organizing an offline*

# **Five-Days Workshop on Sampling Methods in Population and Health Research:**

**Types, Techniques, Examples**

**DEC 12 - 16, 2022**



**Venue: IIPS, Mumbai**

**Register here**



**Application Deadline: 5 Dec, 2022**

**Seats Available: 30**



For more information ~ Email: [alumni.iipsaa@gmail.com](mailto:alumni.iipsaa@gmail.com)



## About IIPSAA

A professional body of IIPS-trained population graduates, termed IIPS Alumni Association (IIPSAA), was engendered and registered by faculties and the alums of the Institute under the Society Registration Act 21, 1860 (Regd. No. 2893/2011/GBBSD) and the Charity Commission Act 1950 (Regd. No. F49222-Mumbai). The IIPS alums hold distinguished positions in several organizations such as Child Fund, Indian Institute of Health Management Research, International Centre for Research on Women, Population Council, Population Service International, Public Health Foundation of India, Tata Institute of Social Sciences, United Nations Population Fund, United Nations Children's Fund, World Health Organization, and National Council of Applied Economic Research. In addition, several IIPS alums are recruited in different national and international universities and colleges. IIPSAA vigorously organizes several activities, including lectures, workshops, and debates for students, encouraging them to connect with eminent personalities who are experienced professionals in various fields related to population sciences.

## Objective of the Workshop

The sample size is essential in any research, and its estimation is one of the most crucial steps in designing a study. The primary purpose of the sample size estimation is to determine the minimum number of subjects/participants required in a study to derive valid conclusions with a prefixed precision, significance level, and power. This workshop is proposed to enhance the researchers' knowledge regarding the importance of sample size and essentials in its estimation, along with sample size estimation methods in different scenarios added with hands-on training in population and health research.

## Certificate

The certificate will be given to the participants after successfully completing the course conducted by Resource persons and IIPSAA.

## Course Content

- Introduction and importance of sampling and sampling frames (Introduction, concepts, and theory of sampling frames in health research)
- Single and Multistage sampling design.  
(Example of NFHS, LASI, and NSS)
- Sample Size estimation for different study designs.
- Importance of Sampling weight and its estimation for different sampling methods.
- Sample size estimation in clinical trials using EPI info & statistical packages.



## Resource Persons



**Prof. T.K. Roy** is Former Faculty (1966-1999) & Director and Senior Professor (1999-2004) at IIPS. He is a statistician and demographer with more than 40 years of teaching and research experience. Prof. Roy was engaged in the NFHS survey from its inception. He served as an expert on the Sampling Review Committee for the Global Adult Tobacco Survey (GATS), USA, CNNS and designed many other large-scale sample surveys. He is an expert in estimating sample size, processing, and managing large-scale cross-sectional and longitudinal data sets. His book, "Statistical Survey Design and Evaluating Impact", is extensively used by researchers and students.

**Dr S.N. Dwivedi** is a retired Professor of the Department of Biostatistics, All India Institute of Medical Sciences (AIIMS-New Delhi). He is a PhD in Statistics (BHU-1985). Dr Dwivedi is associated with various professional bodies, including an elected Fellow of the Royal Statistical Society member of the International Statistical Institute. More than seventy-five articles published in national/ international journals are to his credit. He has been the recipient of awards (e.g., the title "Fellow of the Indian Society for Medical Statistics (FSMS)" and its Dr R N Srivastava Award for best paper). His current interest is in epidemiological modelling using comparatively advanced methodologies like time-to-event/multilevel analysis and randomised controlled trials.



**Dr Sayeed Unisa** is currently working as a Professor at the International Institute for Population Sciences (IIPS), Mumbai. She holds PhD degree from IIPS, Mumbai and two Master's degrees from Osmania University, Hyderabad (Statistics and Education). Her research interests are nutrition, gender, infertility, health and education. She carried out cross-sectional, impact evaluation and longitudinal studies in most of the states of India with funding from UNICEF, WHO, World Bank, Ford Foundation and the Government of India. Prof Unisa has published more than 100 articles in refereed journals and six books. Dr Unisa is the recipient of prestigious awards in population studies.



**Dr Shahina Begum** is a Scientist-E and Head, Department of Biostatistics, ICMR NIRRCH. She holds a master's degree in statistics (BHU) and an MPS degree in Population studies (IIPS, Mumbai). She got her PhD in biostatistics from AIIMS, New Delhi. She has published several research papers in academically acclaimed journals. Her area of expertise is Reproductive Health and Clinical Trials. Her professional experience has been as an Assistant Professor (RDGMC, Ujjain), then Scientist 'C' and Scientist 'D' at National Institute for Research in Reproductive Health.



**Dr Laxmi Kant Dwivedi** is currently working as a Professor in the Department of Survey Research & Data Analytics, International Institute for Population Sciences (IIPS), Mumbai. He holds a Master's Degree in Statistics (Banaras Hindu University, Varanasi) and a PhD in Population Studies (IIPS, Mumbai). His area of expertise is Demographic Models; Applied Econometrics; Applied Multivariate Analysis; Impact Evaluation, and Large-scale Survey Research Methods in Demography and Health.





## Important Dates

- Date of Training: 12th Dec - 16th Dec, 2022
- Last Date to Receive Application: 5 Dec 2022
- Date For Sharing the Final List of Participants: 7 Dec 2022
- Last date payment: 10 Dec 2022
- Valedictory Session: 16 Dec 2022

## Organising Committee

### Workshop Coordinators

Prof. Sayeed Unisa  
Prof. R. Nagarajan  
Prof. L.K. Dwivedi

### Student volunteers(Workshop)

Sourav Dey (+91 9903349584)  
Pankaj Kumar Patel  
(+91 8318422807)

### IIPSAA Management Team

Patron:	Prof K S James
President:	Prof. Irudaya Rajan S.
Vice-President:	Prof. Sayeed Unisa
	Prof. R. Nagarajan
General Secretary:	Prof. Nandita Saikia
Joint Secretary:	Dr. A. M. Guntupalli
Treasurer:	Prof. Dhananjay W. Bansod
Joint Treasurer:	Dr. Dilip T. R.

### Members:

Prof. A. K. Sharma  
Dr. Bashir A. Bhat  
Dr. Sucharita Pujari  
Dr. Kunal Keshri  
Dr. Sandhya R. Mahapatro  
Dr. Illias Kanchan Sheikh

## Registration & Course fee

Registration/ Course fee for this workshop:

- IIPSAA Member- 1000
- Non-Member- 2000

Fill Google form on or before 5th Dec 2022. The final list of participants will be decided by the IIPSAA and selected participants will be informed by 7th Dec 2022.

Google form link

[https://docs.google.com/forms/d/e/1FAIpQLSe\\_wPYbz3zIQ3UunwIo37n4zreAvwBLameJ56IB7x\\_omUW77Q/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLSe_wPYbz3zIQ3UunwIo37n4zreAvwBLameJ56IB7x_omUW77Q/viewform?usp=sf_link)