



National Workshop on Sample Size Determination & Survival Analysis in Health Research

Mode: Virtual/Online

January 21-27, 2026

Organized by

**Department of Health Research-Multidisciplinary Research Unit
Uttar Pradesh University of Medical Sciences, Saifai, Etawah, U.P.**

(As per UP Government Act No 15 of 2016 to provide for establishment of a Medical Sciences University)
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MKSES, Lucknow, UP, India



About Uttar Pradesh University of Medical Sciences: The Uttar Pradesh University of Medical Sciences, is a medical college, hospital, and medical research institution in Saifai, Etawah, U.P., India., running with full-fledged Medical College, Dental College (postgraduate), Paramedical College, Nursing College, Pharmacy College, Multi-Specialty 850 bedded hospital, 150 bedded trauma and burn center and 500 bedded Super Specialty hospital. The Medical University is transforming in order to support clinical research and offer better patient care.

About Department of Health Research-Multidisciplinary Research Unit: Established under aegis of DHR, MoHFW, Govt. of India at Uttar Pradesh University of Medical Sciences, Saifai, Etawah (206130). The Unit is to perform cutting-edge research in the field of health sciences, with a special emphasis on patient care in non-communicable diseases, and provide a central instrumentation facility and research environment for faculties and SR/JR PG students to choose and carry out their top research priorities on their own premises.

MKSES Lucknow

The MKSES is one of the premier Educational Society of Lucknow dedicated to organize various academic activities like Conferences, FDP, seminars, workshops and Training programme and Certificates Course in collaboration with many National & International organizations and Institute have own Publications House and Journals to be publish various fields of books, Research papers and Magazine. The MKSES is run by Manraj Kuwar Singh Educational Society, Lucknow. The Society is working for the development of deprived socio-economic students by providing them quality education.

| Date and Time | Course Content |
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| Day- 1 (21 Jan, 2026) Timing: 04:30 PM- 06.30 PM(Panel Discussion) Timing: 06:30 PM- 08.30 PM(Live Class) | <ul style="list-style-type: none"> ❖ Understanding of statistical Inference and importance of sample size in the study ❖ Brief about normal distribution, sampling distribution, confidence interval, study designs ❖ Concept of margin of error, variability, and estimating sample size for prevalence, mean, correlation, and sensitivity/specificity ❖ Introduction of online calculator and practical examples |
| Day- 2 (22 Jan, 2026) Timing: 04:30 PM- 06.30 PM(Panel Discussion) Timing: 06:30 PM- 08.30 PM(Live Class) | <ul style="list-style-type: none"> ❖ Adjustment needed in computation of sample size for estimation and practical examples using online calculators ❖ Hypothesis testing, brief about errors, and other key factors ❖ Sample size determination in hypothesis testing for one sample and two sample mean and proportion ❖ Practical examples using online calculator |
| Day- 3 (23 Jan, , 2026) Timing: 04:30 PM- 06.30 PM(Panel Discussion) Timing: 06:30 PM- 08.30 PM(Live Class) | <ul style="list-style-type: none"> ❖ Sample size determination under different study designs: Cohort, Case control design, diagnostic studies ❖ Concept of paired study design ❖ Sample size determination under paired study design ❖ Reporting of sample size paragraphs ❖ Practical examples using online calculators ❖ Discussion and queries |
| Day- 4 (24 Jan, 2026) Timing: 04:30 PM- 06.30 PM(Panel Discussion) Timing: 06:30 PM- 08.30 PM(Live Class) | Introduction and Basic Concepts Introduction to R, JASP and JAMOVI Basic Concepts Introduction to Survival Analysis |
| Day- 5 (25 Jan, 2026) Timing: 04:30 PM- 06.30 PM(Panel Discussion) Timing: 06:30 PM- 08.30 PM(Live Class) | Nonparametric Estimation Kaplan–Meier and Nelson– Aalen Estimators Comparing Survival Distributions Log-rank, Gehan, Tarone– Ware, and Peto–Peto Tests Cox Proportional Hazards Model |
| Day-6 (26 Jan, 2026) Timing: 04:30 PM- 06.30 PM(Panel Discussion) Timing: 06:30 PM- 08.30 PM(Live Class) | Parametric Regression Models & Competing Risks Analysis: introduction Competing Risks Analysis Cumulative Incidence Function (CIF) |
| Day- 7 (27 Jan, 2026) Timing: 04:30 PM- 06.30 PM(Panel Discussion) Timing: 06:30 PM- 08.30 PM(Live Class) | Covariate Testing: Gray's Method, Pepe & Mori's Method Modeling with Competing Risks: Cause-Specific and Sub distribution Hazards |

Highlights of the Workshop-

1. Registered participants will get e-certificates mentioned with Credit Hour.
2. Study material in the form of ppt and video recording of all sessions will be provided to all registered participants.
3. **Workshop** by Subject Experts from and other reputed Institute & Universities
4. **Workshop** will be on the Zoom meeting platform.

For further queries, please mail us at:

sciencetech487@gmail.com or call us at +918299547952

REGISTRATION DETAILS

<https://sciencetechinstitute.com/upmus -national-workshop-on-sample-size-determination-survival-analysis-in-health-research/>

Nature of Participants: Faculties, Residents from Medical Colleges, Nursing Colleges, Agriculture College, SIHFW and Demographers, Epidemiologist, Statistical officer, Data Analyst and other researchers who are interested to learn data from Govt. and Pvt. organizations are eligible to apply and also all Faculty members (regular/ad-hoc/temporary/guest) from any Indian/Foreign University/College, Ph.D. (Research Scholars) and UG, PG Students of MBBS & MD, B.PT.& M.PT., B.Sc.& M.Sc. B.Ph. & M.Ph. Paramedical students and all the discipline of health and Social Science.

Note :

- After Successful registration , the participants will receive a confirmation via email.
- Please keep checking the spam folder of the email as the bulk email sent may end up in the spam folder and report not spam then you will get all email in inbox
- An official group has been made for communication with the participants on “Whatsapp.”

Resource Persons

Dr. RAJEEV KUMAR MALHOTRA, Senior Scientist (Statistics), Dr BRA IRCH, AIIMS Delhi,

Educational Qualification: Ph.D. (Biostatistics) from the Department of Biostatistics and Medical Informatics, UCMS under the University Department of Community Medicine, Faculty of Medical Sciences, Delhi University.



Research and Teaching Experience: More than 25 years of research experience in guiding and statistical analysis of faculty PGs, and PhD students starting from planning to study to the interpretation of study results. Published 1 research articles in National and International journals, wrote two chapters and co-author of a book "Medical Biostatistics". Co-supervisor in the MD thesis for more than 20 students. Co-investigator in various projects. Bio-statistical lectures for radiotherapy MD students and in academic session of the Dr BRA IRCH, AIIMS, Delhi.

Area of Interest: Generalized linear mixed model, Cancer Epidemiology, Generalized estimating equation (GEE), Survival Analysis, Sample size determination, Longitudinal data analysis, Bootstrapping, Meta- analysis, and Diagnostic methods.

Dr. M.Ramakrishnan Assistant Professor, PG and Research Department of Mathematics, Ramakrishna Mission Vivekananda College, Mylapore, Chennai. Dr. M. Ramakrishna has done his Ph.D. in Mathematics- Statistics from the University of Madras. He has twenty six years of teaching Experience in Mathematics. His specializations are Mathematical Statistics, Ordinary Differential Equations. His Research area is Survival Analysis. He has expertise in handling Software SPSS, STATA, R Programming, WINBUGS, EXCEL and SCILAB. He has published Research Papers in National and International Journals and Presented Papers in many National and International Conferences in the field of Survival Analysis throughout India. He has conducted several R courses in all over India.



Dr. Atul Juneja Ph.D, MNAMS, Former Scientist F ,& Coordinator Clinical Trials Registry-India (CTRI) ICMR-National Institute of Medical Statistics Ansari Nagar New Delhi (presently National Institute of Research in Digital Health and Data Sciences) With more than 30 years of experience in Biomedical Research with in handling number of research project since designing to application statistical analysis and use of statistical models and which could contribute to policy implications. supported report writing of the projects. Presented Research findings in more than 75 national and internation conferences. Presently serving as Assoc Prof (Guest) at A & U Tibbia College and Nehru Homeopathic Medical College Govt. of NCT Delhi for Research Methodology and Biostatistics.



Dr. Anup Kumar is, Associate Professor, Department of Biostatistics, & Health Informatics, SGPGIMS, Lucknow has completed his Ph.D. from Banaras Hindu University, Varanasi in the field of Mathematical Modeling of Human Fertility in 2012. Currently his area of interested is Stochastic Modelling, Big Data Analysis, Text Mining and Biostatistics. He has published more than 20 research articles in reputed international and national journal. He has delivery more than 25 talks on applied statistics at various national level workshop. Working software for data analysis are R & SPSS.



Chief Patron



Prof.(Dr.) Ajai Singh
Honourable Vice Chancellor,
U P University of Medical
Sciences, Saifai, Etawah, U.P

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