



Online National Workshop on Systematic Reviews with Meta –Analysis and Regression Analysis

Mode: Virtual

April 21-27, 2025

Organized by

Multi-Disciplinary Research Unit (MRU)

Pt. B.D. Sharma, PGIMS, Rohtak

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Science Tech Institute, Lucknow, UP, India



About Pt. B.D. Sharma, PGIMS, Rohtak

Pt. B.D.Sharma, PGIMS, Rohtak is situated at a distance of about 240 km from Chandigarh and about 70 km from Delhi on Delhi-Hissar-Sirsa-Fazilka National Highway (NH-10). It is the only major Institution for Medical Education and Research and a tertiary care centre for provision of specialized health care services not only to the people of the State of Haryana, but also to those from Punjab, Rajasthan, Delhi and western U.P. The Institute was started under the name of Medical College, Rohtak in the year 1960. For the first three years, the students were admitted to Medical College, Patiala which acted as a host Institution. In 1963, the students were shifted to Rohtak. In the subsequent years, multifaceted expansion measures have transformed the Institute into a fully developed center of Medical Education and research in all the major disciplines of Medicine. In the year 1994, Medical College, Rohtak was renamed as Pt. B.D.Sharma, Medical College, Rohtak and subsequently it was upgraded to a Post Graduate Institute of Medical Sciences in the year 1995. Today Pt. B.D.Sharma, PGIMS, Rohtak is a famous institution not only for medical education but also for the health care facilities both at the National as well as International level.

Science-Tech Institute(Run By: MKS Educational Society Lucknow)

The Science-Tech is one of the premier Institutes 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 Institute 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.

About the Workshop

Systematic reviews with meta-analyses and Regression analysis are method of evidence synthesis that present results by combining and analyzing data from different studies conducted on similar research topics. These methods are considered to produce highest quality of research and recently there is an upsurge in the number of systematic review and meta-analysis being conducted by various field experts. This method of research is extremely useful in the era where a huge amount of research is produced each year, often with conflicting findings. In those instances, Systematic reviews with meta-analyses and Regression analysis can offer scientifically sound and powerful alternatives that can overcome the difficulties in addressing bias, heterogeneity and quality of the studies. However, often poorly conducted systematic review and meta-analysis could yield misleading results. Therefore, various guidelines have been suggested for conducting systematic reviews and meta-analyses to help standardize the independent study findings and to improve their quality. This workshop will cover all aspects of systematic review and meta-analysis as and will provide participants with hands-on experience with the software and practical aspect of the subject.

Objective: The course will explain the fundamental concepts of Systematic reviews with meta-analyses and Regression analysis in health. Course materials include video lectures reading/resource materials, example accompaniments, workbooks, lecture handouts. The methodology of the course will comprise of: Online lecture, participatory discussion, Demonstrations Problem solving.

Day	Topics Covered	Date & time of
Day-1	<p>Introduction to Systematic Reviews and Meta-Analysis Overview of systematic reviews and meta-analyses, their importance in research, and the basic steps involved.</p> <p>Formulating a Research Question How to formulate a clear, answerable research question, and the importance of PICOS (Population, Intervention, Comparison, Outcome, Study Design) framework.</p> <p>Q&A and Discussion</p>	<p>Date: 21/04/2025 Live Class Time: 6:30 PM -08:30 PM</p>
Day-2	<p>Literature Search and Study Selection Techniques for searching literature databases, strategies for identifying relevant studies, and the process of selecting studies for inclusion and the software used in literature search.</p> <p>Data Extraction and Management Methods for extracting data from included studies, data management tools, and handling missing or incomplete data.</p> <p>Q&A and Discussion</p>	<p>Date: 22/04/2025 Live Class Time: 6:30 PM -08:30 PM</p>
Day-3	<p>Quality Assessment and Risk of Bias Criteria for assessing the quality of included studies, tools for evaluating risk of bias, and the impact of bias on meta-analysis.</p> <p>Meta-Analysis Techniques Statistical methods for meta-analysis and software to conduct meta-analysis, interpretation of results, and presentation of findings.</p> <p>Q&A and Discussion</p>	<p>Date: 23/04/2025 Live Class Time: 6:30 PM -08:30 PM</p>
Day-4	<p>Simple Regression Analysis Hands on jamovi</p>	<p>Date: 24/04/2025 Time: 6:30 PM -08:30 PM</p>
Day-5	<p>Multiple Regression Analysis Hands on jamovi</p>	<p>Date: 25/04/2025 Live Class Time: 6:30 PM-08:30 PM</p>
Day-6	<p>Logistic Regression Analysis Hands on SPSS</p>	<p>Date: 26/04/2025 Live Class Time: 6:30 PM -08:30 PM</p>
Day-7	<p>Multinomial Regression Analysis Hands on SPSS</p>	<p>Date: 27/04/2025 Live Class Time: 6:30 PM -08:30 PM</p>

Highlights of the Workshop-

1. Registered participants will get e-certificates mentioned with Credit Hour.
2. Study material in the form 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

REGISTRATION & PAYMENT DETAILS

Details of Registration Fees:

1. For Indian Participants : INR 600/(Non-Refundable)
2. For Foreigner :USD(\$ 10/- (Non-Refundable)

For registration & payment please click on the given link:

https://sciencetechinstitute.com/gims-rohtak_online-national-workshop-on-systematic-reviews-with-meta-analysis-and-regression-analysis-april-25/

Nature of Participants

Workshop is open for Medical & Nursing faculties, PG JR/ SR from all Institutions, Colleges, and Universities. SIHFV and Demographers, Epidemiologist from Govt. and Pvt. organization are eligible to apply and also all Ph.D. Students & Researcher and M.Sc., MBBS & MD, MPT & BPT Paramedical Students from any University or College and all students of the medical, Public health, Science & Social Sciences background are eligible.

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. An official group has been made for communication with the participants on "Whatsapp." The link to join the official group will be provided in the confirmation mail.

Resource Person

Dr. Anamika Gulati is an Assistant Professor at the Jawaharlal Nehru university, specializing in Pharmaceutics with a focus on Biomedical Waste management. She holds a Ph.D. from MM University, Ambala, and M .Pharm. from Panjab University, Chandigarh. Dr. Gulati has extensive experience in scientific writing, having worked with Novartis Healthcare Pvt. and Bres Med Health Solutions India Pvt. Ltd., where she managed Multiple projects, conducted systematic reviews and meta-analyses.



Dr. Ranjit Kumar Paul is Senior Scientist at IASRI, New Delhi. He has published many research paper in national and international journals. He has published two books. He received the Young Scientist Award in Social Science for the biennium 2015-16 by National Academy of Agricultural Sciences (NAAS), he Received ICAR Lal Bahadur Shastri Outstanding Young Scientist Award in Social Sciences for 2016.



Dr. Amit Kumar did his Doctor of Philosophy (Ph. D) from All India Institute of Medical Science, India. Currently he is serving as an Associate Professor and Head of Department of Laboratory Medicine Rajendra Institute of Medical Sciences, Ranchi, Jharkhand, India. He has participated many National and International level workshops & conferences as well as presented his research work in National & International conferences. He has invited as a resource person in National level workshop. His research interests focus on forecasting, Regression analysis.



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.



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.



Chief Patron



Dr. H.K. Aggarwal
Vice Chancellor,
Pt BD Sharma UHS, Rohtak

Chairperson



Dr. S.K. Singhal
Director,
PGIMS, Rohtak

Organizing Secretary



Dr. Sanjay Kumar
Nodal Officer
MRU & Professor,
Department of
Pathology, PGIMS,
Rohtak

Patrons



Mrs. Shweta Singh
Chairman
Governing Body
MKSES Educational
Society Lucknow,
UP, India,

Workshop Advisor



Dr. Sushil Kumar Shukla
Professor in Statistics
U P University of
Medical Sciences, Saifai
Etawah, U. P.

Course Coordinator



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Joint Secretary

Dr. Madhu Sharma, Professor, Dept. of Microbiology, Pt. B. D. Sharma, PGIMS, Rohtak
Dr. Niti Mittal, Associate Professor, Dept. of Pharmacology, Pt. B. D. Sharma, PGIMS, Rohtak
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