



A National Workshop on Advanced R for Health Econometrics: Visualization, Causal Inference, and Time Series



Organized by School of Humanities and Social Sciences, IIT Mandi | In collaboration with IASSH (Indian Association for Social Science and Health)

14-18 December 2026 (5 Days) | Venue: Indian Institute of Technology Mandi, Kamand, Himachal Pradesh

About the Workshop

This five-day workshop provides advanced training in R-based econometric methods for health and social science research. The curriculum is built up in such a way that it covers basic foundations in R, data management and statistical literacy. It will also cover the topics like regression analysis with robust inference, panel data econometrics and causal identification strategies such as Difference-in-Differences, Instrumental Variables and Regression Discontinuity Design. The program covers the time-series method including the stationarity testing, ARIMA forecasting and Vector Autoregression. Each module combines econometric theory and practical implementation in R, so that the participants can build both conceptual understanding and practical coding skills. The daily assignments and an engaging case study will provide opportunities for the participants to apply problem-solving skills to real-world datasets.

Objectives

- Build R programming and data-management skills for organizing, visualizing, and presenting research data clearly.
- Develop proficiency in core econometric techniques, including regression, panel-data, and non-linear models.
- Strengthen skills in causal inference and policy evaluation, covering Instrumental Variable, Difference in Difference, and modern treatment-effect methods.
- Enable application of time-series and robust inference methods to participant's own research using R practices.

Who Should Attend

Faculty members, scientists, PhD scholars and advanced postgraduate students from Public Health, Medicine, Epidemiology, Statistics, Economics, Data Science, Computer Science, Engineering and allied disciplines. Preference will be given to researchers actively engaged in public health, population-data using R Software.

Programme Highlights

Day	Focus Area
Day 1	Basic R Foundations
Day 2	Regression Analysis & Statistical Inference
Day 3	Panel Data & Causal Inference I
Day 4	Causal Inference II & Time Series I
Day 5	Advanced Time Series, Methods Overview & Integration

Registration

Registration Fee: ₹2,500 per participant (inclusive of food) - will be paid after the confirmation of selection.

Registration Window: 10th September 2026 – 25th September 2026

Seats: Limited to 40 participants only

Accommodation charges and other logistical details are provided in the registration form.

Registration Link

<https://forms.gle/ZTnBHgQ5E2wbKydW9>

Key Dates

Events	Date
Registration opens	10 September 2026
Registration closes	25 September 2026
Confirmation of selection	5 October 2026
Workshop dates	14 -18 December 2026

Organizing Committee

Convener: Dr. Ramna Thakur, School of Humanities and Social Sciences, IIT Mandi

Collaborators: Indian Association for Social Sciences in Health (IASSH) - Prof. R. Nagarajan (President, IASSH), Dr. V. Selvaraju (General Secretary, IASSH) and team.

Local hosts: Shivani Kumaria, Bhanupriya Pareek, Prateek Singh, Tarsem Kasnia, Atma Prakash

Contact us

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