



# 13<sup>th</sup> Annual Conference of the Indian Health Economics and Policy Association



Health, Nutrition, and Wellbeing: Evidence, Evaluation, and Way Forward

Organized by

School of Humanities and Social Sciences  
Indian Institute of Technology Mandi

December 10<sup>th</sup>-13<sup>th</sup>, 2025

Venue: IIT Mandi, Himachal Pradesh

## Pre-Conference Workshop

### Workshop-1: Spatial Analysis in Health using R

Resource person: Dr. Pankaj Narula (Thapar University, Patiala, Punjab)

Spatial analysis reveals geographic patterns in healthcare access, disease burden, and resource gaps. This workshop equips researchers with R programming to analyse spatial health data (e.g., NFHS/LASI). Participants will learn to visualise disparities, process geospatial data, and generate evidence for equitable policy decisions in the Indian context.

#### Objectives of the Workshop

To empower young researchers with spatial analysis skills to:

- Analyse geographic disparities in health indicators using R.
- Process and visualise spatial data (vector/raster) for policy insights.
- Create publication-ready thematic maps and conduct spatial analyses.

#### Course Content

*Hands-on sessions using Indian datasets (e.g., literacy, elevation, health indicators):*

1. **R Programming Fundamentals**
2. **Data Visualisation with ggplot2**
3. **Spatial Data Processing**
4. **Geospatial Analysis Techniques**

Total seats: 25 (preference will be given to early career researchers)

Registration link: <https://forms.gle/dQC6rLgGqSNaPUPAA>

**Last date for application: 15<sup>th</sup> September 2025**