



CONTENTS

Preface	i-ii
1. Recasting Economic Measurement: The Promise and Trade-offs of Alternative Data <i>Ajit R. Joshi and Shweta Kumari</i>	1–12
2. Stochastic Models for Epidemic Processes in Open Populations with External Infections <i>Harsha Madushani U. K. A., Christine Soteris and Raj Srinivasan</i>	13–36
3. Professor VK Gupta's Influence on Design of Experiments and Sample Surveys <i>Rajender Parsad</i>	37–62
4. Enabling Artificial Intelligence in Health: Perspectives on Health Data Challenges, Mitigation Strategies, and the Current Ecosystem in India <i>Vishal Deo and Kratika Pandiya</i>	63–74
5. Waiting Time Until Success <i>Jyotirmoy Sarkar</i>	75–95
6. CPI Housing Index Methodology <i>Ashish Das and Praggya Das</i>	97–113
7. Performance Assessment of Statistical, Machine Learning and Hybrid Forecasting Approaches for Pearl Millet Production in the Jammu Division <i>Divyam Sharma, Manish Sharma and Nishant Jasrotia</i>	115–128
8. Estimating the Hazard Functions of Two Alternating Recurrent Events <i>Sugata Sen Roy and Moumita Chatterjee</i>	129–141
9. Valuing Free Digital Services in India: Experimental Consumer-Welfare Estimates and the 2025 SNA <i>Gulab Singh and A. C. Kulshreshtha</i>	143–167
10. Virtual Digital Assets: The Need for Regulatory Framework in India <i>Praggya Das</i>	169–189
11. Financial Statistics in India: Current Contours and Future Challenges <i>Partha Ray</i>	191–200
12. Shrinkage Priors for Bayesian Inference – A Contextual Survey <i>Anandamayee Majumdar</i>	201–218

13. Foundations First: How Will Mathematics and Statistics Shape India's AI Ambitions? 219–229

Sudeshna Guha Neogi, Abhijit Kulkarni, Ramasubramanian Sundararajan, Balaji Raman and Sourish Das
