

Rishabh Kumar

Deonar, Govandi East • Mumbai, 400088 • rishkphd@gmail.com • +918960677206

EDUCATION

International Institute for Population Sciences

Mumbai, Maharashtra

PhD, Biostatistics and Demography

Expected Dec 2026

Dissertation: "Seasonality in Mortality and Morbidity: An Investigation at National and Subnational levels in India."

Committee: Profs. Nandita Saikia, Abhishek Singh, and Preeti Dhillon.

Pre-PhD Coursework: Quantitative research, conducted qualitative interviews, book review, and completed credit paper in 'Mortality analysis'.
July 2022 - June 2023

Masters in Population Studies (MPS)

July 2020 - September 2021

Dissertation: "Factor affecting undernutrition among under five children in the most populous state of India: A situation analysis"

Advisor: Prof. S.K. Singh

Babasaheb Bhimrao Ambedkar University

Lucknow, Uttar Pradesh

MSc., Statistics

July 2018 - September 2020

Dissertation: "Comparison of Linear and Non-Linear Models for Mango Production of Kakori Block at Lucknow District of Uttar Pradesh State in India"

Advisor: Dr. Shubhash Kumar Yadav

Lucknow University

Lucknow, Uttar Pradesh

BSc., Major: Statistics Computer Applications Minor: Mathematics

January 2018

RESEARCH INTERESTS

Statistics Demography Mortality Climate and environment Public Health

STATISTICAL TOOLS

- Time Series Analysis
- Generalized Additive model (Cubic spline and Negative binomial approach)
- Joinpoint Regression Analysis
- Generalized Ordered Logistic Model
- Multivariate Decomposition Analysis
- Large Scale Dataset

SCHOLARLY PUBLICATIONS

- " Kumar, R., Saikia, N. Seasonality of pneumonia mortality among infants in India from 2018 – 2020: a joinpoint analysis. BMC Infect Dis (2026). <https://doi.org/10.1186/s12879-026-13229-2>
- Yadav, S. K., Arya, D., Kumar, R., Taruna, T., & Bouza, C. SEARCHING BEST FITTED REGRESSION MODELS FOR THE PRODUCTION OF MANGO AND SUGARCANE YIELDS.

- Impact of Indoor Air Pollution on Urogenital Diseases Among India's Elderly: Evidence from LASI Wave 1, BMC Urology (Under review).
- Gender and Age Differentials in Water borne disease among adults in India: Evidence from Longitudinal Ageing Study of India (LASI) (Under review).

CONFERENCES AND SEMINARS

- “Seasonal Dynamics of Asthma Mortality in India: A Decade of evidence from Million Death Study (MDS) in India”, Conference on Data-driven Statistical Decision-making (CDSMD- 2026), IIT Hyderabad, 27-28 March, 2026
- “Gender and Age Differentials in Water borne disease among adults in India: Evidence from Longitudinal Ageing Study of India”, (LASI), XXX IIPS National Seminar- Demographic and Health Transition: Challenges and Opportunities, Thiruvananthapuram, Kerala, 17-19 December 2025
- 46th Annual Indian Association for the Study of Population (IASP) conference, Kolkata, West Bengal, 27-29 November 2025
- “Uncovering Seasonal Dynamics in Neonatal Mortality: A Decade of Evidence from Million Death Study in India”, British Society for Population Studies (BSPS) conference, Swansea University, United Kingdom, 02-04 September 2025
- “Seasonality of Pneumonia Mortality among Infants in India: A Joinpoint Analysis”, 30th International Population Conference, IUSSP, Brisbane, Australia, 13-18 July 2025.
- Accomplishing the Child Survival Agenda in India, 20 March 2025, Harvard Chan IRC, Lower Parel, Mumbai.
- "Seasonality of Pneumonia Mortality among Infants in India from 2018-2020: A Joinpoint Analysis", IASP National Conference, New Delhi, Dec 2024
- "Seasonality of Pneumonia Mortality among Infants in Himachal Pradesh and Kerala from 2018-2020: A Joinpoint Analysis", Asian Population Association (APA) Conference, Kathmandu, Nepal, Nov 2024
- "Seasonality of Pneumonia Mortality among Infants in India from 2018-2020: A Joinpoint Analysis", ICPD 2024, Lucknow Uttar Pradesh, Nov 2024
- “Factors Affecting Undernutrition among Under Five Children in Gujarat: A Situation Analysis”, Western Regional Conference of the Indian Association for the Study of Population (IASP) National Seminar on "Population Dynamics and Sustainable Development: Insights from Western India", Vadodara, Gujarat, 30-31 May 2024.
- “Factors Affecting Undernutrition among Under-Five Children in the Most Populous State of India: A Situation Analysis”, XXVII IIPS National Seminar IIPS 2022-23, Feb 2023.

WORKSHOPS

- Meta Analysis using R programming, 25-26 April, 2026, (Online)
- Understanding Research Metrics: Essential Tools for Academic Excellence, 12 June 2025, Springer Nature (Online)
- Stakeholder Engagement Workshop to Inform Maternal Multimorbidity Research in South Africa and India, 8 April 2025, South African Medical Research Council, Online
- KOSTAT 2024 (Mortality Analysis), UNFPA, 15-19 July, 2024, Daejeon, South Korea
- Systematic Review and Meta Analysis, Tata Institute for Social Sciences, Mumbai, 19th April 2024
- Statistical Data Analysis using SPSS and R, 11-15 March, 2024.
- “Topics in Digital and Computational Demography”, (Online), 04-08 Dec 2023, Max Planck Institute for Demographic Research.
- “Statistics for Machine Learning with R (SMLR)”, Indian Institute of Information Technology, Allahabad, 03-06 July 2023.
- “Biostatistical Data Analysis and Research Methodology” by Science Tech Institute, Lucknow, Dec 21-27, 2022.
- “Sampling Methods in Population and Health Research”, IIPS, Mumbai, Aug, 2024

LEADERSHIP & ACTIVITIES

Cultural Secretary

Aug 2023 - June 2024

- Organized Christmas, Annual Function, New Year Celebration, Ganpati festival and some other cultural activities at International Institute for Population Sciences, Mumbai

SKILLS & INTERESTS

Technical: Course on Computer Concepts (CCC), SPSS, STATA, R, C, C++, Java Languages, Mortpak, Spectrum, LaTeX writing.

Language: English (Proficient), Hindi (Proficient), Japanese (beginner), German (beginner)

Interests: Sports and travelling, Sports certificate in Badminton, Kabaddi, Kho-Kho, Volleyball, Chess, Cricket at University level.

REFERENCES

Prof. Nandita Saikia, Ph.D.

Professor, Department of Public Health and Mortality Studies

International Institute for Population Sciences, Mumbai

(+91) 9717065242

nanditasts@gmail.com