Dr. Himanshu
Curriculum Vitae

Assistant Professor
Department of Statistics,
University of Delhi -110007, India
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Career

2025–Present	**Assistant Professor**, *Department of Statistics, University of Delhi*, Delhi, India.
2022–2025	**Assistant Professor**, *School of Management and Labour studies, Tata Institute of Social Sciences*, Mumbai, India.

Academic Qualifications

2017–2021	**Doctor of Philosophy**, *Banaras Hindu University*, Varanasi, U.P., India.
2013–2015	**Masters of Science**, *Indian Institute of Technology, Bombay*, Maharashtra, India.
2010–2013	**Bachelor of Science(Hons.)**, *Banaras Hindu University*, Varanasi, U.P., India.
2008–2009	**Intermediate**, *Govt. Inter Collage*, Varanasi, U.P., India.
2006–2007	**Matriculation**, *Govt. Inter Collage*, Varanasi, U.P., India.

Awards & Fellowships

CSIR-NET	JOINT CSIR-UGC National Eligibility Test, May 2018.
RET-BHU	Research Entrance Test-Banaras Hindu University, March 2017.

Research Areas

Bayesian Inference	Reliability and Survival Analysis
Competing Risks	Machine Learning
Advanced Bayesian Computation	

Computer Skills

Languages	C, C++, Python, R
Software	Jupyter Notebook, Google Colab, PyCharm, RStudio, SAS
Documentation	LaTeX, MS Office

Publications

Rai Himanshu and Sanjeev K. Tomer, *"Variational Bayes for analysis of masked data"*, Journal of Computational Science **(2025)**.

Tomer K. Sanjeev, M. S. Panwar, and Himanshu Rai, *"A Latent Variable Approach to the Analysis of Progressively Hybrid Censored Masked Data"*, Methodology and Computing in Applied Probability **(2025)**.

Rai Himanshu and Vineet Sharma, *"A Bayesian competing risk analysis of renal cancer patients based on SEER database"*, Cancer Epidemiology **(2024)**.

Sharma, Vineet, Himanshu Rai, Dev NS Gautam, Pradeep K. Prajapati, and Rohit Sharma, *"Emerging evidence on Omicron (B. 1.1. 529) SARS-COV-2 variant"*, Journal of Medical Virology **(2022)**.

Tomer K. Sanjeev, Himanshu Rai, *"Robust Bayesian estimation of cumulative incidence function for competing risk data with missing causes"*, Journal of Statistical Computation and Simulation **(2021)**.

Rai Himanshu, Sanjeev K. Tomer, and Anoop Chaturvedi, *"Robust estimation with variational Bayes in presence of competing risks"*, Metron **(2021)**.

Rai Himanshu, M. S. Panwar, and Sanjeev K. Tomer, *"Analysis of masked data with Lindley failure model"*, Communications in Statistics-Simulation and Computation **(2021)**.

Master's dissertation guided

24	**Master's dissertations supervised during 2022-25.**

Participation in Conferences/Seminars/Workshops

4 **Oral presentations at National/International Conferences/Seminars**.

2 **Workshop attended**.

2 **Workshop attended as a Tutor**.

Extra-Curricular Activities

Created a program of Sudoku solver in language C++ that solves 9×9 Sudoku puzzle. It was completed under the guidance of Prof. Supratim Biswas IIT Bombay (2013-2014).

Declaration

The information given above is true to the best of my knowledge.

Date: 06/10/2025

Place: Mumbai, India   (Dr. Himanshu)