



Name: Dr. Debayan Koley

Designation: Assistant Professor in Statistics

Qualifications: M.Sc., Ph.D.

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Biographical Sketch

Dr. Debayan Koley is currently working as an assistant professor in the Department of Statistics, Faculty of Science at St. Xavier's University, Kolkata. He was previously working as an adjunct faculty in the Department of Mathematical Sciences at Adamas University. He holds a doctoral degree in statistics from Banaras Hindu University, a master's degree in statistics from Visva-Bharati University and a bachelor's degree in statistics from Midnapore College (Autonomous). He was an INSPIRE scholarship recipient throughout his bachelor's and master's. He has attended and presented research papers in several national and international conferences, both in and outside of India.

Areas of Specialisation and Research

Reliability theory, Bayesian Inference, Censoring Techniques, Statistical Computation

Teaching Experience

January 2026 – Present: Assistant Professor, Department of Statistics, St. Xavier's University, Kolkata

July 2025 – December 2025: Adjunct Faculty, Department of Mathematical Sciences, Adamas University, Barasat

Publications

Article published in Peer-reviewed journals

- (2025) **"Some Characterizations of Log-Cauchy Distribution and Its Inferential Exploration Under Progressive First-Failure Censoring Scheme"**, Quality and Reliability Engineering International, (Debayan Koley, Sanku Dey, Abhimanyu Singh Yadav), Vol. 41 (8), Pp. 3717-3735, ISSN: 0748-8017

- (2025) **“Development and Estimation of Weighted Xgamma Exponential Distribution with Applications to Lifetime Data”**, STATISTICA, (Abhimanyu Singh Yadav, Shivanshi Shukla, Neha Jaiswal, Sanjay Kumar Singh, Debayan Koley), Vol. 83 (4), Pp. 247-269, ISSN: 1973-2201