

Arijit Dey | Curriculum Vitae

Second Year Graduate Student in Statistics – Duke University

✉ arijit.dey@duke.edu • 🌐 arijitdey22.github.io • in arijit-dey-556a1922a

Education

Duke University

Ph.D. in Statistics, GPA: 3.837/4

Durham, USA

2024–Present

Indian Institute of Technology Kanpur (IITK)

M.Sc. in Statistics, CPI: 9.55/10

Kanpur, India

2022–2024

Ramakrishna Mission Residential College (Autonomous), Narendrapur

B.Sc. in Statistics, CGPA: 9.58/10

Kolkata, India

2019–2022

Publications

Peer-reviewed

- Dey, A. and Hazra, A. (2025). A Semiparametric Generalized Exponential Regression Model with a Principled Distance-based Prior. *Statistical Papers*. [Link](#)

Submitted

- Dey, A., Yan, X., and Chakraborty, B. (2025+). Sample size calculation of SMART design with a skewed outcome: Application to the SMART+ study. Submitted in *Statistical Methods in Medical Research*.

Experiences

Teaching Assistant, Duke University

- STA199: Grading, Holding Office Hours, Lab Leader
- STA199: Grading, Holding Office Hours, Lab Leader
- STA199: Grading, Holding Office Hours, Lab Leader

Spring 25

Fall 25

Spring 26

Research Assistant, IIT Kanpur

Spring 24

Teaching Assistant, Online Degree Program, IIT Madras

Summer 23

Academic Achievements

- *N. Balakrishnan Award in Statistics* for the best final-year M.Sc. (2-year) statistics student, IIT Kanpur.
- *Academic Excellence Award* in Statistics for 2022 and 2023, IIT Kanpur.
- All India Rank 15 in Joint Admission Test for Masters (JAM) 2022 among 2912 candidates.
- *Swami Lokeshwarananda award* for best all-around performances in U.G. courses 2021-22.
- *DST-inspire scholarship* for being in the top 1 percentile of higher secondary board exams.

Relevant Coursework

PhD Level Course (Duke University)

Bayesian Statistical Modelling, Probability and Measure Theory, Linear Models, Statistical Inference, Probability and Statistical Models, High-dimensional Statistics.

Masters Level Course (IIT Kanpur)

Linear Algebra, Real Analysis, Complex Analysis, Probability and Measure Theory, Statistical Inference, Regression Analysis, Time Series Analysis, Multivariate Analysis, Stochastic Process, Statistical Computing, Non-parametric Inference, Game Theory, Data Science Lab I, II & III, Intro to Machine Learning.

Skills

Programming Expertise: *R* (Proficient), *Python*

System software: \LaTeX , GitHub, Microsoft Office

Languages: English (Professional), Bengali (Native), Hindi (Limited), Spanish (Beginner)

Extra Curricular

Positions of Responsibility:

- Secretary of *Raktarpan*, a club under *IITK* with the responsibility of organizing blood donation camps.
- General Secretary of the *Student's Council*, RKMRC Narendrapur, 2021-22.
- Convenor of the *Sports Subcommittee*, RKMRC Narendrapur, 2021-22.
- Junior Under Officer (JUO), *NCC wing* of RKMRC Narendrapur, 2021-22.

Sports: Active participation in games including Cricket, Football, and Volleyball.