

SURYASIS JANA

Senior Research Fellow (Statistics) — Indian Statistical Institute, Kolkata
Assistant Professor, Dept. of Data Science — St. Xavier's College (Autonomous), Kolkata

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RESEARCH INTERESTS

- Robust Statistics
- Robust Non-linear Regression
- Robust Neural Networks

ACADEMIC QUALIFICATIONS

- 🎓 **Ph.D. in Statistics** (Pursuing)
Indian Statistical Institute, Kolkata [2022-Present]
- 🎓 **Master of Science (M.Sc.) in Statistics** [2020-2022]
Indian Institute of Technology, Kanpur
- 🎓 **Bachelor of Science (B.Sc.) in Statistics** [2017-2020]
St. Xavier's College (Autonomous), Kolkata

PROFESSIONAL EXPERIENCE

- 🏢 **Assistant Professor** July 2025 - Present
Department of Data Science, St. Xavier's College (Autonomous), Kolkata
- 🏢 **Senior Research Fellow** Aug 2024 – Present
Applied Statistics Unit, ISI Kolkata
- 🏢 **Junior Research Fellow** Aug 2022 – July 2024
Applied Statistics Unit, ISI Kolkata

LIST OF PUBLICATIONS

- 📄 **Robust inference for non-linear regression models with applications in enzyme kinetics**
Suryasis Jana, Abhik Ghosh. (2026). Journal of Applied Statistics.

PREPRINTS

- 📄 **Asymptotic breakdown point analysis of the minimum density power divergence estimator under independent non-homogeneous setups**
Suryasis Jana, Subhrajyoty Roy, Ayanendranath Basu, Abhik Ghosh. arXiv preprint arXiv:2508.12426 (submitted).
- 📄 **Provably robust learning of regression neural networks using β -divergences**
Abhik Ghosh, Suryasis Jana. arXiv preprint arXiv:2602.08933 (submitted).
- 📄 **rSDNet: Unified Robust Neural Learning against Label Noise and Adversarial Attacks**
Suryasis Jana, Abhik Ghosh. arXiv preprint arXiv:2603.17628 (submitted).

TEACHING EXPERIENCE

- 👤 **Teaching Assistant:** Multivariate Analysis, M.Stat. 2nd year, Autumn – 2024 (ISI Kolkata)
- 👤 **Teaching Assistant:** Designs of experiment, B.Stat. 3rd year, Spring – 2025 (ISI Kolkata)
- 👤 **Teaching Assistant:** ISI PGDAS Course: Multiple Regression, Spring – 2024

FELLOWSHIPS AND AWARDS

- 🏆 **CSIR-NET:** Qualified CSIR-NET June-2022 in Mathematical Sciences with **AIR 35**.
- 🏆 **GATE:** Qualified GATE - 2022 in Statistics with **AIR 8**.
- 🏆 **JAM:** Qualified JAM - 2020 in Mathematical Statistics with **AIR 20**.
- 🏆 **DST INSPIRE Scholarship:** Department of Science and Technology, Govt. of India [2017-2022].

TECHNICAL SKILLS

- 🔗 **Programming Languages:** R, RStudio, Python.
- 🔗 **Typesetting:** L^AT_EX, MS Word.

REFERENCES

Dr Abhik Ghosh

Associate Professor, ISRU

Indian Statistical Institute, Kolkata