

FACULTY PROFILE (SB)

Name: Sancharee Basak.

Designation: Assistant Professor.

Department: Statistics.

Qualification:

- M.Sc. in Statistics, University of Calcutta (2015).
- Ph.D. in Statistics, Indian Statistical Institute, Kolkata (2022).

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Doctoral Research Topic: “*Minimum divergence estimation using the extended Bregman divergence and optimal tuning parameter selection*”.

Teaching Experience:

- Taught Sampling Distribution, Statistical Inference, Probability and R Programming at the Department of Statistics of Sister Nivedita University.
- Teaching at the Department of Statistics of St. Xavier’s College, Kolkata, since 1st July, 2022.

Research Interests:

- Minimum Distance Inference.
- Density-based Divergences and their uses in Robust Inference.
- Multivariate Analysis.
- Bayesian Inference.

Publications:

- Sancharee Basak, Ayanendranath Basu and M. C. Jones (2021): **On the ‘optimal’ density power divergence tuning parameter**, *Journal of Applied Statistics*, Volume 48, Issue No. 3, pp 536-556, DOI: 10.1080/02664763.2020.1736524.
- Sancharee Basak and Ayanendranath Basu (2022): **The extended Bregman divergence and parametric estimation**, *Statistics*, Volume 56, Issue No. 3, pp 699-718, DOI: 10.1080/02331888.2022.2070622.

Paper Presentation and Participation in Conferences/Seminars/Workshops:

- Attended and presented a talk titled 'On the "optimal" robustness tuning parameter' at the 2018 Stat Quest event organized by the Department of Statistics, University of Calcutta.
- Participated and got certified for securing 3rd position in a national level seminar on Application of Statistical Tools and Techniques in Multidisciplinary Fields, sponsored by the UGC, the CSA and the Ministry of Statistics and Programme Implementation (MoSPI), Government of India.