

FACULTY PROFILE (SB)

Name: Dr. 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).

Email ID: sancharee93@sxccal.edu

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 Probability, Demography and Sampling Distributions at the Department of Statistics of St. Xavier’s College, Kolkata, since 1st July, 2022.

Research Interests:

- Classical parametric inference.
- Minimum Distance Inference.
- Robust Inference.
- 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:

- Participated and presented a talk in the Ninth International Conference on Statistics for Twenty-First Century 2023 (ICSTC 2023), organized by the International Statistics Fraternity (ISF), School of Physical and Mathematical Sciences and the Department of Statistics, University of Kerala, Trivandrum in December 2023.
- Participated and presented a talk in the International Conference on Statistical Theory and its Applications (ICSTA 2023), organized by the Department of Statistics, Bharathiar University, Coimbatore in September 2023.
- Participated and presented a talk in the Eighth International Conference on Statistics for Twenty-First Century 2022 (ICSTC 2022), organized by the International Statistics Fraternity

(ISF), School of Physical and Mathematical Sciences and the Department of Statistics, University of Kerala, Trivandrum in December 2022.

- Participated and presented a talk in the VI International Scientific and Practical Conference 'Statistics and its applications', organized by the Namangan Institute of Engineering and Technology, Namangan, Uzbekistan in October 2022.
- Participated and presented a talk at the Stat Quest (2018), organized by the Department of Statistics, University of Calcutta, Kolkata.
- 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.