Faculty Profile (DS)

Name : Debjit Sengupta

Designation : Assistant Professor

Institutional Email Id : debjitsengupta@sxccal.edu

Qualification : M.Sc. in Statistics, University of Calcutta

Teaching Experience : 10 years of teaching at the UG level.

Research Experience : Pursuing Ph.D. programme on the thesis entitled "Contributions to Inference in Count Data" at Calcutta University under the guidance of Prof. Surupa Chakraborty (St. Xavier's College, Kolkata), Prof. Gaurangadeb Chattopadhayay (University of Calcutta) and Prof. Tathagata Bandopadhyay (IIM, Ahmedabad).

Research Interests :

1. Modelling of Count data
2. Likelihood Based Inferences
3. Bootstrap Estimation

Publications :

1. **Sengupta, D.**& Roy, S. (2017): One-way ANOVA model with under reported counts. Calcutta Statistical Association Bulletin, 68(1&2) 1-15.

2. **Sengupta, D.**, Banerjee, T. & Roy, S. (2020): Estimation of Poisson mean with under-reported counts: a double sampling approach. Australian & New Zealand Journal of Statistics, 62(4), 508-535.

3. **Sengupta, D.**, Roy, S.& Banerjee, T. (2021): Testing of Poisson mean with under-reported counts. Brazilian Journal of Probability and Statistics, 35(3), 523-543.

4. **Sengupta, D.**& Roy, S. (2023): Modelling zero inflated and under-reported count data. Journal of Statistical Computation and Simulation, 93(14), 2390-2410.

Seminars :

1. Presented a paper entitled "One way ANOVA model with under reported counts" at the International Conference On Recent Advances In Statistics organized by the Department of Statistics, University of Mumbai in June 2016.

2. Presented a paper entitled "Analysis of Misreported Poisson Counts" at the Platinum Jubilee International Conference in Statistics organized by the Department of Statistics, University of Calcutta in December 2016.
3. Presented a paper entitled "Estimation of Mean of Underreported Poisson Counts" at the Tenth International Triennial Calcutta Symposium on Probability and Statisticsjointly organized by the Department of Statistics, University of Calcutta and Calcutta Statistical Association in December 2018.
4. Presented a paper entitled "Some Inference Problems on Misclassified Counts" at the STAT QUEST-2019 organized by the Department of Statistics, University of Calcutta in March 2019.