



Name: Dr. Suman Sarkar

Designation: Assistant Professor in Statistics

Qualification: M.Sc., Ph.D. (Statistics)

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Biographical Sketch

Education:

- **B.Sc (Statistics Hons.)** (2007): Presidency College, Kolkata.
- **M.Sc (Statistics)** (2011) : University of Kalyani, West Bengal. **(First class first)**
- **PhD (Statistics)** (2020): Indian Statistical Institute, Kolkata.

Fellowship and Awards:

- Research Fellowship given by Indian Statistical Institute, Kolkata (2012-2018).
- 'Bose-Nandi Award' given by Calcutta Statistical Association (2019).
- Winner of the 'Student poster presentation', at the Conference for Statistics and Programming in Clinical Research (ConSPIC 2016), organized by Indian Association for Statistics in Clinical Trials (IASCT).
- Awarded by Government of West-Bengal, for securing first position in M.Sc Examination on Statistics Day (29th June, 2012).
- Saroj Behari Dasgupta Memorial Endowment Award (first class first rank in M.Sc) from University of Kalyani (2012).

International Conference and Workshop:

- The IISA Conference on Research Innovations in Statistics for Health, Education, Technology and Society. California, USA (2014)
Contributed talk: "Odds Ratio Based Group Sequential Analysis for Joint Binomial and Inverse Binomial Sampling"
- Workshop on Classification and Regression Trees. National University of Singapore. (2014).

Areas of Specialisation and Research

- Sequential methods in Statistics
- Binary response, Odds ratio

- Clinical trials

Work Experience

- **PwC, Kolkata**
Senior Associate
(2019 April – 2020 September)
- **Indian Statistical Institute, Kolkata**
Visiting Scientist
(2018 October – 2019 March)
- **GSK, Bangalore**
Lead Statistician
(2018 June – 2018 September)

Publications

Article published in Peer-reviewed journals

- (2019) “**Odds ratio based two-stage group sequential analysis for two-treatment two-period crossover trials**”, Communications in Statistics: Case Studies, Data Analysis and Applications, (Suman Sarkar, A. Biswas and S. Mukhopadhyay), Vol. 5 (4), Pp. 300-313 ISSN: 2373-7484 (Online)
- (2017) “**Fixed-width Confidence Interval of Log Odds Ratio for Joint Binomial and Inverse Binomial Sampling**”, Sequential Analysis – Design Methods and Applications, (U. Bandyopadhyay, Suman Sarkar and A. Biswas), Vol. 36 (3), Pp. 345-354, ISSN: 0747-4946 (Print) 1532-4176 (Online)
- (2016) “**Odds Ratio Based Group Sequential Analysis of Joint Binomial and Inverse Binomial Sampling**”, Sequential Analysis – Design Methods and Applications, (Suman Sarkar and A. Biswas), Vol. 35 (2), Pp. 207-215, ISSN: 0747-4946 (Print) 1532-4176 (Online)