Suman Sarkar

Assistant Professor of Statistics,
Department of Rural Studies,
Visva-Bharati,
West Bengal, India.

suman.isi.stat@gmail.com
Skype: sumansarkar21
Phone: +919874122017

RESEARCH INTERESTS

Sequential Statistical Methods in Clinical Trials, Odds Ratio.

EDUCATION

- **PhD in Statistics, Indian Statistical Institute, Kolkata.**
  August 2012 - June 2018
  Thesis submitted: June 2018, PhD degree awarded: June 2020.
  Advisor: Prof. Atanu Biswas
  Dissertation Title: Some Sequential Methodologies on Different Types of Odds Ratios in Clinical Trials

- **M. Sc. (Statistics), University of Kalyani, West Bengal.**
  2009 - 2011
  Stood first in the first class.

- **B. Sc. (Statistics Honours), Presidency College, Kolkata.**
  2004 - 2007

JOURNAL ARTICLES (PUBLISHED)

1) Bandyopadhyay, U., **Sarkar, S.**, Biswas, A. (2021). Sequential Confidence Interval for Comparing Two Bernoulli Distributions in a Non-conventional Set-up. *Statistics and Probability Letters* 181 (2022) 109263.

2) Bandyopadhyay, U., **Sarkar, S.**, & Biswas, A. (2021). Fixed-width Confidence Interval for Treatment Difference in Multinomial Sampling. *Sequential Analysis – Design Methods and Applications* 40(2):198-208.

3) **Sarkar, S.**, Biswas, A. & Mukherjee, S. (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* 5(4): 300-313.

4) Bandyopadhyay, U., **Sarkar, S.** & Biswas, A. (2017). Fixed-width Confidence Interval of Log Odds Ratio for Joint Binomial and Inverse Binomial Sampling. *Sequential Analysis – Design Methods and Applications* 36(3): 345-354.

5) **Sarkar, S.**, & Biswas, A. (2016). Odds Ratio Based Group Sequential Analysis for Joint Binomial and Inverse Binomial Sampling. *Sequential Analysis – Design Methods and Applications* 35(2): 207-215.

WORK EXPERIENCE	- Assistant Professor of Statistics, Department of Rural Studies, Visva-Bharati. January 2022 - present. - Assistant Professor of Statistics, St. Xavier's University, Kolkata. September 2020 - December 2021. - Senior Consultant, PricewaterhouseCoopers Pvt. Ltd, Kolkata. April 2019 - September 2020. - Visiting Scientist, Indian Statistical Institute, Kolkata. October 2018 – March 2019. - Lead Statistician, GlaxoSmithKline Asia Pvt, Bangalore. June 2018 – September 2018. - Project Assistant, Indian Statistical Institute, Kolkata. October 2011 – July 2012.
CONFERENCES	**Conference for Statistics and Programming in Clinical Research (ConSPIC), organized by Indian Association for Statistics in Clinical Trials, Hydrabad, India (2016).** Poster presentation : "Two stage group sequential analysis on crossover data based on binary responses" **International Triennial Calcutta Symposium on Probability and Statistics, Calcutta, India (2015).** Contributed talk : "Odds Ratio Based Group Sequential Analysis for Joint Binomial and Inverse Binomial Sampling" **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"

AWARDS	• '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), organized by Indian Association for Statistics in Clinical Trials (2016).
	• 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 (Stood first class first in M.Sc) from University of Kalyani (2011).

TECHNICAL EXPERTISE:	**R**.

OTHER INFORMATION	• **Languages known :** English, Hindi, Bengali. • **Hobbies :** Writing, Reading, Music, Movies, Traveling, Documentary.

REFERENCES

Dr. Atanu Biswas	Dr. Nitis Mukhopadhyay
Professor	Professor
Applied Statistics Unit	Department of Statistics
Indian Statistical Institute, Kolkata	University of Connecticut, Storrs, United States
atanu@isical.ac.in	nitis.mukhopadhyay@uconn.edu

Dr. Bimal Kumar Roy

Professor

Applied Statistics Unit

Indian Statistical Institute, Kolkata

bimal@isical.ac.in