RIJJI SEN

HOME: Vivekananda Pally
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COLLEGE: Department of Statistics
Behala College, University of Calcutta.
Kolkata.

AREA OF INTEREST

Reliability and Survival Analysis, Accelerated Testing and Stress Strength Models, Bayesian Inference and computation

EDUCATION

Ph.D. in Statistics   November 2012-may 2017
Thesis title: **Bayesian Analysis of Some non-regular Families**
 in Accelerated Life Testing   **Awarded on 13 May, 2017**
Banaras Hindu University
Supervised by **Prof. S.K. Upadhyay**

Master of Science, Statistics   May 2012
Banaras Hindu University, Varanasi

Bachelor of Science (Hons), Statistics   June 2010
Statistics (Hons.) with Economics and Mathematics
Lady Brabourne College, Calcutta University

Senior Secondary Certificate, (ISC)   June 2007
The Assembly of God Church School, Sodepore

Higher Secondary Certificate, (ICSE)   June 2005
Loreto Convent, Asansol

TEACHING AND RESEARCH EXPERIENCE

Taught two semesters of **Computer Intensive Statistical Methods (**Comprising mainly of Regression Analysis and Model diagnostics**)** in Masters Degree Program of Statistics, BHU.

Taught two semesters of **Practical papers based on Statistical Inference** in Bachelors Degree Program of Statistics, BHU.

Three years of Research Experience in Bayesian modelling pertaining to reliability and survival analysis, specifically in **Accelerated Testing, Stress Strength modelling, Bayesian regression modelling, Bayesian Model Diagnostics and Classical survival analysis**.

Mentored post graduate summer internship projects on survival analysis

Currently teaching in Department of Statistics (UG) and Department of Mathematics (PG) at Behala College, University of Calcutta.

DETAILS OF PUBLISHED RESEARCH PAPERS

Sl No.	Title of Paper	Journal	Authors	ISSN	Issue and Volume
1.	A Bayes study of inverse Gaussian based strength models with accelerating stress	COMMUNICATIONS IN STATISTICS- SIMULATION AND COMPUTATION	Rijji Sen, Satyanshu K. Upadhyaya	1532-4141	Published online: 01 Sep 2021
2.	Bayes analysis of some important lifetime models using MCMC based approaches when the observations are left truncated and right censored	Reliability Engineering and System Safety	Rakesh Ranjan, Rijji Sen, Satyanshu K. Upadhyaya,	1879-0836	Volume- 214 (2021)
3.	A Bayes Analysis of ARMA Models for Predicting GDP Growth Rate of India	Statistics in Transition new series, Statistics Poland.	Praveen Kumar Tripathi, Rijji Sen, S. K. Upadhyay	1234-7655 (print) 2450-0291 (online)	Vol. 22, No. 2, pp. 1 – 12, June 2021
4.	A Bayes Analysis of Inverse Gaussian based Accelerated Test Models	International Journal of Reliability, quality and safety engineering	Rijji Sen and S K. Upadhyay	0218-5393 (print) 1793-6446 (online)	Volume - 26, Issue - 2, April, 2019
5.	A simple Bayes analysis of Weibull Based Accelerated Test Model	International Journal of System Assurance Engineering and Management	Rijji Sen, Rakesh Ranjan and S.K. Upadhyay	0975-6809	Vol-8 Supplement-1, January, 2017

6.	Bayesian Analysis of Exponentiated Exponential Distribution through Gibbs Sampler Algorithm	Research and Review Journal of Statistics	S. K. Upadhyay, Meena Vazirani, I.A. Javed, Rijji Sen	(Print): 2348-7909 (Online):2 278-2273	Special Issue Volume 1, 2014 on Recent Statistical Methodologies and Applications

PAPER PRESENTED IN CONFERENCES

Delivered a contributory talk entitled "Bayesian Analysis of High Dimensional Data-An Application to Adenocarcinoma Survival" at XV Biennial Virtual Conference of International Biometric Society-India Region organised by Department of Statistics, ICMR- National Institute for Research in Tuberculosis, Chennai on November 16-17, 2021.

Delivered a contributory talk entitled "A Bayes Analysis of Inverse Gaussian Based Accelerated Test Models " at International Virtual Conference on Prof. C.R. Rao School of Thought on Statistical Sciences Jointly organised by Department of Statistics, Ramanujan School of Mathematical Sciences, Pondicherry University and Department of Mathematics and Statistics, Mrs. A.V.N. College, Vishakhapatnam on November 21-22 and 28-29, 2020.

Delivered a contributory talk entitled "An Analysis of GDP Growth Rate Data-A Bayesian Analysis Of ARMA models" at Two day International Seminar on Sustainable Development and Inclusive growth-Methods to Methodology Jointly organised by Department of Statistics and Department of Geography, Lady Brabourne College, University of Calcutta, March 03-04, 2020.

Delivered an invited talk entitled "Bayesian Analysis of Accelerating Stress-Strength Models" at 2nd International Conference on Applied Statistics organised by Institute of Statistical Research and Training, University of Dhaka, December 27-29, 2019.

Attended the " International Conference on Migration and Displacement: Global Perspectives on Issues and Challenges" Organised by Behala college on 10-11 January, 2019.

Delivered a contributory talk entitled "Bayesian Analysis of Some Cumulative Damage Models" at Tenth International Triennial Calcutta Symposium on Probability and Statistics Jointly organised by Department of Statistics, University of Calcutta and Calcutta Statistical Association, December 27-30, 2018.

Delivered a contributory talk entitled "A Comparison of Weibull and Lognormal based Accelerated test Models: a Bayesian Study" at National Conference on Advanced Developments in Theoretical and Applied Statistics, at Banaras Hindu University, November 13-15, 2017.

Delivered a contributory talk entitled "A Bayes analysis of Weibull based accelerated test model"
at National Seminar on Use of Statistics in Industry and Corporate World held at Banaras Hindu University, October 25-26, 2015.

Delivered a contributory talk entitled "Weibull and lognormal based accelerated test models: A Bayesian study" at International Conference on Statistics, Equity, Sustainability and Development held at Lucknow university, November 28-30, 2015.

WORKSHOPS ATTENDED

Attended ISRU workshop on Bayesian Inference and Computation at ISI, Kolkata, 19-23rd December 2022.

Attended the 52nd Annual Convention of Computer Society of India in conjunction with National IT Congress held at Science City, Kolkata, 19-21 January, 2018.

Attended a workshop entitled "Statistical Ecology and Related Topics" at Indian Statistical Institute, Bangalore, December 08-11, 2016.

Attended a workshop entitled "A short course on Introduction to Bayesian Statistical Modelling, DST Centre for Interdisciplinary Mathematical Sciences and Department of Statistics, Banaras Hindu University, January 27-31, 2014.

Attended workshop entitled "Latex Training Programme", held at DST-Center for interdisciplinary Mathematical Sciences, BHU, from 3rd to 9th September, 2013

Attended ISBA Regional Meeting and International Workshop/Conference on Bayesian Theory and Applications, DST Centre for Interdisciplinary Mathematical Sciences and Department of Statistics, Banaras Hindu University, January 6-10, 2013.