Jayabrata Biswas

Assistant Professor

Department of Statistics

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Personal Information

Name of Father	Late Jayanta Kumar Biswas
Name of Mother	Smt. Usha Biswas
Gender	Male
Date of Birth	04-th May, 1989
Mailing Address	4/C, 4-th Floor, "Krishna Kunja" Apartment
	Bandel Station Road, Hooghly - 712 103, West Bengal

Academic Qualification

Year	Description
2020	Ph.D. in Statistics
	Interdisciplinary Statistical Research Unit (ISRU), Applied Statistics Division, Indian Statistical Institute (ISI), Kolkata
	Thesis Supervisor: Dr. Kiranmoy Das, ISRU
	Thesis Tile: `Bayesian Linear Mixed Models for Analyzing Semi-Continuous Longitudinal Outcomes`
2013	M.Stat.(Application Specialization) Statistics
	Indian Statistical Institute, Chennai Center, India
	Course Duration: 2 Years
	Marks Obtained: 70.1%
2011	B.Sc. Statistics (Honours)
	College: Ramakrishna Mission Residential College, Narendrapur
	University: The University of Calcutta, Kolkata
	Course Duration: 3 Years
	Marks Obtained: 68.3% (in Honours)

Year	Description
2008	Higher Secondary Examination
	School: Hooghly Collegiate School
	Board: West Bengal Council of Higher Secondary Education
	Marks Obtained: 81.2% (overall)
2006	Secondary Examination (Madhyamik Parikhsha)
	School: Bandel St. Johns High School
	Board: West Bengal Board of Secondary Education
	Marks Obtained: 85.5%

Projects

1. Done a project on Indian statistical system under Central Statistical Organization.

2. Done a project on "Analysis for Optimization of Multiple Response Data" under the guidance of Dr. Surajit Pal (ISI,Chennai Center).

Academic Experience

1. Assistant Professor, The University of Burdwan, Purba Burdwan (2020 - till date)

2. Assistant Professor, Barrackpore Rastraguru Surandranath College, Barrackpore (2019 - 2020)

3. Guest Lecturer, Pratibandhi Kalyan Kendra, Bandel (2018-2019)

Area of Research

1. Longitudinal Study

2. Zero-Inflated Distribution

3. Modeling on Missing Value

4. Quantile Regression

5. Extreme Value Distribution

6. Bayesian Statistics

Technical Skill

I have Knowledge of the following:

1. Programming Language C/C++

2. Programming Language Python

3. Statistical (Programming) Language R

4. Latex

5. Statistical package Minitab

Teaching Skill

In the University of Burdwan, I am teaching the following MSc. level courses:

1. Mathematical Analysis

2. Sampling Distributions

3. Multivariate Techniques (Partially)

4. Python Programming

5. Advanced Statistical Methods (Partially)

6. Time Series Analysis

7. Clinical Trials (Bio-statistics Special I)

Student Supervised

I have supervised the following student(s) during their MSc. project/ term paper.

1. Argha Nath Bhattacharyya (University of Burdwan, 2021)

List of Publication

1. **J Biswas**, H Kulkarni, & K Das (2017). Quantile regression in biostatistics. *Biostatistics and Biometrics Open Access Journal*, Volume 2.

2. P Bhuyan, **J Biswas**, P Ghosh, & K Das (2018). A Bayesian two-stage regression approach of analysing longitudinal outcomes with endogeneity and incompleteness. *Statistical Modelling*, Volume 19, 157-173.

3. H Kulkarni, **J Biswas**, & K Das (2019). A joint quantile regression model for multiple longitudinal outcomes. *AStA Advances in Statistical Analysis*, Volume 103, 453–473.

4. **J Biswas** & K Das (2019). A Bayesian approach of analysing semi-continuous longitudinal data with monotone missingness. *Statistical Modelling*, Volume 20, 148-170.

5. **J Biswas**, P Ghosh, & K Das (2020). A Bayesian joint quantile regression approach to zero-inflated incomplete longitudinal outcomes. *AStA Advances in Statistical Analysis* Volume 104, 261–283.

6. A Chatterjee, **J Biswas**, & K Das (2020). An automated patient monitoring using discrete-time wireless sensor networks. *International Journal of Communication Systems*, https://doi.org/10.1002/dac.4390

7. **J Biswas** & K Das (2020). A Bayesian quantile regression approach to multivariate semi-continuous longitudinal data. *Computational Statistics*, Volume 36, 241-260.

Talks and Presentations

1. A Bayesian joint quantile regression approach to zero-inflated incomplete longitudinal outcomes, *Young Statisticians Meet (YSM) 2021, Indian Statistical Institute, Kolkata, March 2021*

Other Professional Activities

Reviewed Paper for the Journal : Sankhya; Series B.

Membership : Life member of Calcutta Statistical Association (CSA)