

CURRICULUM VITAE

JOYDEEP BASU, Ph.D.

PERSONAL DETAILS

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Nationality Indian

EDUCATION

Ph.D. (Statistics)	University of Calcutta, Kolkata	2021
M. Sc. (Statistics)	University of Calcutta, Kolkata	2008
B.Sc. (Statistics Hons.)	Presidency College, Kolkata	2006
Higher Secondary (XII-Level)	St. Xavier's College, Kolkata	2003
Madhyamik (X-Level)	New Barrackpore Colony Boys' High School	2001

TEACHING EXPERIENCE

State Aided College Teacher (SACT) - I	Statistics (Hons)	Basanti Devi College Kolkata	Nov, 2009 – Present
Guest Faculty (Special Lectures)	Statistics (Hons)	Lady Brabourne College, Kolkata	2017
Guest Faculty	Statistics (General)	Muralidhar Girls' College Kolkata	2016-17
Guest Faculty	Statistics (General)	The Bhawanipur Education Society College, Kolkata	2019
Guest Faculty	Statistics (Compulsory)	University of Calcutta (Department of Library and Information science)	2019

COURSES TAUGHT

Probability theory, Statistical inference, Linear algebra, Real analysis, Exploratory data analysis, Design of experiments, Sample survey, Demography

OTHER EXPERIENCE

PROJECT ENGAGEMENT:

- State Coordinator, *Title: National Survey on Extent and Pattern of Substance use in India-2019*, Implemented by - NDDTC (AIIMS), Funding - MSJE (Ministry of Social Justice and Empowerment, GOI), Tenure - August 2017 to September 2018
- Project monitor and Statistician, *Title: Sample Survey of Other Backward Communities in West Bengal*, Implemented by - Centre for the study of social exclusion and inclusive policy, University of Calcutta, Funding - The State Government of West Bengal, India, Tenure - 2nd July 2010 to 15th September 2010

JOB:

Technical Associate Tech Mahindra Limited 26th September 2008 to
27th January 2009

RESEARCH INTEREST AREA

Longitudinal (Categorical) data analysis, Causal inference, Clinical trials, Epidemiology, Public health

PROFESSIONAL MEMBERSHIP

Calcutta Statistical Association (CSA) Life Member

International Indian Statistical Association (IISA) Member

REVIEWED PAPERS IN THE FOLLOWING JOURNALS

Journal of Applied Statistics

Journal of Statistical Theory and Applications

RESEARCH PUBLICATIONS

- Bandyopadhyay, U., Basu, J. and Dutta, G. *Crossover design in clinical trials for binary response*, *Journal of Applied Statistics*, Vol.42, issue 10 (2015), pp. 2100 – 2114, ISSN: 0266-4763 (Print), 1360-0532 (Online)

- Basu, J., Bandyopadhyay, J. and Dutta, G. *Nonparametric testing under crossover design for ordered categorical response*, *Journal of the Korean Statistical Society*, Vol.46 (2017), pp. 539-550, ISSN: 1226-3192
- Basu, J., Bandyopadhyay, U. and De, S. *Testing in AB/BA crossover design under binary response*, *Journal of Applied Probability and Statistics*, Vol.14 (2019), No. 1, pp. 13-30, ISSN: 19306792

PAPER PRESENTATION

- **Title:** *Crossover design in clinical trials for binary response*: STAT QUEST – 2014; organized by **Department of Statistics, University of Calcutta**
- **Title:** *The different aspects of clinical trials*: Research Scholars’ Meet on Reliability Theory, Survival Analysis and Related Topics, 26-28 February 2013; organized by SQC & OR Unit, **Indian Statistical Institute, Kolkata**
- **Title:** *Inference regarding binary surrogate response on crossover design*: Stat Quest- 2012, 6th February; organized by **Department of Statistics, University of Calcutta**

PARTICIPATION IN SEMINARS

- Tenth International Triennial Calcutta Symposium on Probability and Statistics on 27th – 30st December 2018; organized by department of Statistics, University of Calcutta and Calcutta Statistical Association
- Ninth International Triennial Calcutta Symposium on Probability and Statistics on 28th – 31st December 2015; organized by department of Statistics, University of Calcutta and Calcutta Statistical Association
- National Seminar: Advances in Statistics, Techniques and Applications, 19th & 20th December 2013; organized by Department of Statistics, Asutosh College and Calcutta Statistical Association
- Eighth International Triennial Calcutta Symposium on Probability and Statistics on 27th – 30th December 2012; organized jointly by department of Statistics, University of Calcutta and Calcutta Statistical Association
- UGC Sponsored One Day National Level Seminar: “Surrogacy in India: Ethical Values vis-à-vis Commercialization” on 10th October 2012; organized by Basanti Devi College, Kolkata
- International Conference on Contemporary Issues and Applications of Statistics held during January 2 – 4, 2012 at the Indian Statistical Institute, Kolkata

- National Level Seminar on Application of Statistical Tools and Techniques in Multidisciplinary Fields held on 25th and 26th November 2011; organized by Department of Statistics, Lady Brabourne College, Kolkata.
- Workshop on “Application of Statistical Techniques in the Natural Sciences”, held on Dec 30-31, 2010; organized by Department of Statistics (C.U.) and IUCCA, Pune
- One Day Seminar on “Recent Advances in Applied Statistics”, held on July 28, 2010; organized by Department of Statistics, West Bengal State University

RELEVANT SKILLS

Languages known: R, C

Statistical Packages: SPSS, MINITAB