CURRICULUM VITAE OF CHITRADIPA CHAKRABORTY

PERSONAL DETAILS:

Name:	Chitradipa Chakraborty
Nationality:	Indian
Designation:	Postdoctoral Fellow
Affiliation:	Beijing Institute of Mathematical Sciences and Applications (BIMSA)
Mobile:	+86-13121757013, +91-8787096578
E-mail:	chitradipachakraborty@bimsa.cn, chitradipachakraborty@gmail.com

EDUCATION:

2006   Secondary (89.25%), West Bengal Board of Secondary Education.

2008   Higher Secondary (85.14%), West Bengal Council of Higher Secondary Education.

2008–2011   B.Sc. in Statistics (Honors with 76.40%, 1st Class), St. Xavier's College, Kolkata, India.

2011–2013   M.Sc. in Statistics (8.5 CPI out of 10), Indian Institute of Technology, Kanpur, India.

2013–2014   Ph.D. in Statistics, course-work (7.67 CPI out of 10), Indian Institute of Technology, Kanpur, India.

2014– 2019   Ph.D. in Statistics, Indian Institute of Technology, Kanpur, India. Title of the Thesis: "A Study on Non-parametric Methodologies Related to Location Parameter, Scatter Parameter and Regression Function". Supervisor: Dr. Subhra Sankar Dhar.

EMPLOYMENT DETAILS:

- Postdoctoral Fellow at Beijing Institute of Mathematical Sciences and Applications (BIMSA), Beijing, China: From August 19, 2024 to present.

- Assistant Professor in Statistics under Faculty of Commerce & Management in St. Xavier's University, Kolkata, India: From October 12, 2020 to March 31, 2023.

- Visiting Scientist at Theoretical Statistics and Mathematics Unit, Indian Statistical

Institute, Kolkata, India: From December 2, 2019 to September 30, 2020.

- Visiting Scientist at Theoretical Statistics and Mathematics Unit, Indian Statistical Institute, Bangalore Centre, India: From June 1, 2019 to November 30, 2019.

EDITORIAL SERVICE:

- Associate Editor of Journal of Academic Advancement from November, 2022 to July, 2023.
- Advisory Board of Kolkata Bidhannagar Society for Academic Advancement from July, 2023 to August, 2024.

RESEARCH INTEREST:

- Non-Parametric Inference and Regression Problems

- Robust Statistical Methods and Estimation

- Measurement Error Models

- Bayesian Statistics

- Statistical Methodologies in Business

LIST OF ARTICLES (ACCEPTED/PUBLISHED):

1. **Chitradipa Chakraborty** (2019) Testing Multivariate Scatter Parameter in Elliptical Model based on Forward Search Method. *Statistics and Probability Letters*, **147**, 66– 72.

2. **Chitradipa Chakraborty** and Subhra Sankar Dhar (2020) A Test for Multivariate Location Parameter in Elliptical Model based on Forward Search Method. *Sankhya A*,**82**, 68–95.

3. **Chitradipa Chakraborty** (2024) Sampling in Business Research: A Profound Understanding. *International Journal of Research and Analytical Reviews (IJRAR)*, **11(1)**, 520-538.

BOOK CHAPTERS (PEER-REVIEWED):

1. Shalabh, Subhra Sankar Dhar, **Chitradipa Chakraborty** and Prashant Jha (2022+) Goodness of Fit Based and Variable Selection in Non-parametric Measurement Error Model. *Provisionally accepted in: Chadra Sekhar and Raghaw Raman Sinha (eds) Statistical Modeling and Applications on Real-Time Problems, Taylor's & Francis, CRC Press.*

2. **Chitradipa Chakraborty** (2024) Leveraging Data Analytics in Business: A Comprehensive Insight, *Emerging Paradigm in Education and Research, Vandana Publications*, 9– 23.

SPEAKER IN CONFERENCES/ DEPARTMENTAL SEMINARS/ FACULTY DEVELOPMENT PROGRAMMES/ WORKSHOPS:

1. International Conference on Robust Statistics (ICORS), January 12-16, 2015, Indian Statistical Institute, Kolkata, India. Title of the Talk: "On Multivariate Forward Search Estimator for Location and Scatter Parameters in Elliptical Model."

2. International Indian Statistical Association (IISA) International Conference on Celebrating Statistical Innovation and Impact in a World of Big and Small Data, December 20-24, 2015, Savitribai Phule Pune University, Pune, India. Title of the Talk: "Multivariate Forward Search Estimator for Location Parameter in Elliptical Model and Associated Tests."

3. Department of Mathematics and Statistics, Indian Institute of Technology, Kanpur, India, January 23-24, 2016 (on Research Scholar Day at IIT Kanpur). Title of the Talk: "Multivariate Forward Search Estimator for Location Parameter in Elliptical Model and Associated Tests."

4. Department of Mathematics and Statistics, Indian Institute of Technology, Kanpur, India, January 27-28, 2018 (on Research Scholar Day at IIT Kanpur). Title of the Talk: "On Coefficient of Determination in Non-parametric Measurement Error Model."

5. Theoretical Statistics and Mathematics Unit, Indian Statistical Institute, Bangalore Centre, India, August 22-24, 2019 (Symposium by doctoral and post-doctoral fellows).Title of the Talk: "On Goodness of Fit in Non-parametric Measurement Error Model."

6. (Resource Person, online mode) Faculty Development Programme on Research Methodology and Data Analysis, November 21-27, 2022, Kolkata Bidhannagar Society for Academic Advancement jointly with Nowgong College (Autonomous), Assam, Jhargram Raj College, Jhargram and Domkal Girls' College, Murshidabad, India. Title of the session: "Simple Use of Sampling in Research".

7. (Convenor and Speaker) Workshop on Application of Statistics in Research, December 19-20, 2022, Faculty of Commerce and Management in collaboration with Fr. Lafont Centre for Excellence in Research and Innovation (LCERI), St. Xavier's University, Kolkata. Title of the session: "Use of Sampling in Research".

8. (Resource Person, online mode) International Lecture on Sampling and Its Application in Research, June 3, 2023, Kolkata Bidhannagar Society for Academic Advancement, West Bengal, India.

9. (Resource Person, online mode) Faculty Development Programme on Research Methodology, Publication and Ethics, December 10-19, 2023, Kolkata Bidhannagar Society for Academic Advancement, West Bengal in association with the Department of Commerce and IQAC, Chittaranjan College, Kolkata. Title of the session: "Data Analytics in Business".

WORKSHOPS/SEMINARS/CONFERENCES/WEBINARS ATTENDED:

- Workshop on Empirical Likelihood Based Methods in Statistics, June 6-24, 2016, Institute of Mathematical Sciences, National University of Singapore, Singapore. Title of the Poster: "Multivariate Forward Search Location Estimator in Elliptical Model."

- International Conference on Importance of Statistics in Global Emerging Scenario (ISGES) in conjunction with 22nd Annual Conference of Society of Statistics, Computer and Applications, January 02-04, 2020, Savitribai Phule Pune University, Pune, India.

- Webinar on NAAC Assessment and Accreditation Process: The Know How, October 17, 2020 organized by St. Xavier's University, Kolkata, India.

- Online Panel Discussion on the Impact of National Education Policy, November 20, 2020 conducted by IQAC, St. Xavier's University Kolkata, India.

- Online Faculty Develop Program on Data Analysis using Python, June 27, 2022 to July 1, 2022 conducted by St. Xavier's College, Kolkata in collaboration with E&ICT Academy, IIT Kanpur, India.

INTERNSHIP:

- Summer Internship on Official Statistical System, May 14 - July 13, 2012, Data Processing Division, National Sample Survey Office, Ministry of Statistics & Programme Implementation.

TEACHING EXPERIENCE/TEACHING ASSISTANCE/ TUTORSHIP:

- Main instructor and Subject Coordinator for the course Statistical Inference II: Large Sample Theory (for M.Sc. in Statistics 2nd semester), St. Xavier's University, Kolkata, 2022-2023 (Number of students: 7).

- Main instructor for the course Business Statistics (for M.Com.1st semester), St. Xavier's University, Kolkata, 2021-2022 (Number of students: 30) and 2020-2021 (Number of students: 24).

- Main instructor and Subject Coordinator for the course Business Research Methods Theory (for B.Com. 6th semester), St. Xavier's University, Kolkata, 2022-2023 (Number of students: 106 in 3 separate sections), 2021-2022 (Number of students: 89 in 3 separate sections) and 2020-2021 (Number of students: 99 in 2 separate sections).

- Co-instructor for the course Business Quantitative Techniques and Operation Research (for B.M.S. 5th semester), St. Xavier's University, Kolkata, 2022-2023 (Number of students: 140 in 3 separate sections).

- Main instructor and Subject Coordinator for the course Business Mathematics and Statistics (for B.Com. 4th semester), St. Xavier's University, Kolkata, 2022-2023 (Number of students: 87 in 2

separate sections), 2021-2022 (Number of students: 240 in 4 separate sections) and (Number of students: 88 in 2 separate sections).

- Main instructor and Subject Coordinator for the course Business Mathematics and Statistics (for B.Com. 3rd semester), St. Xavier's University, Kolkata, 2022-2023 (Number of students: 92 in 2 separate sections) and 2021-2022 (Number of students: 240 in 4 separate sections).

- Tutor for the course Probability and Statistics, Indian Institute of Technology, Kanpur,India, Summer, 2016-2017.

- Teaching Assistant for the course Probability and Statistics, Indian Institute of Technology, Kanpur, India, 2nd semester, 2015-2016.

- Teaching Assistant for the course Writing in Mathematics, Indian Statistical Institute, Bangalore Centre, India, 1st semester, 2019-2020.

PROJECT SUPERVISOR:

- Main Supervisor of 25 B.M.S 4th Semester students for their Term Paper Project.

ADMINISTRATIVE EXPERIENCE:

- Acted as a member of Equal Opportunity Facilitation Cell (EOFC), St. Xavier's University, Kolkata from November 25, 2022 to March 31, 2023.

RESEARCH GAP:

During the period from 2020 to 2023, I experienced a gap in publications due to medical issues related to maternity and gynecology. Despite this gap, I actively maintained my academic skills and stayed updated on developments in my field by participating in various academic events and training programs. As a Resource Person, I contributed to Faculty Development Programmes focusing on research methodology, data analysis, and publication ethics, and also delivered an international lecture on sampling methods. Additionally, I attended conferences such as the International Conference on the Importance of Statistics in the Global Emerging Scenario, and engaged in webinars and panel discussions relevant to higher education. These activities ensured that I remained actively involved in academic discourse and continuously improved my expertise in statistics and research methodology.

OTHER EXPERIENCES AND ACHIEVEMENTS:

- All India Rank-34 in the Joint Admission Test for M.Sc. (JAM) in 2011.

- Inspire Scholarship holder for 5 years based on the result in 12th Standard.

- Mess Secretary of Girls' Hostel, Indian Institute of Technology, Kanpur, India, June -

August, 2017.

- Selected for GAANSOI session 2020-21 under Smt Jayati Chakraborty.

COMPUTATIONAL SKILLS:

R, C and C++

LANGUAGES:

English [fluent in reading, speaking and writing], Bengali [fluent in reading, speaking and writing], and Hindi [fluent in speaking].

NON-ACADEMIC ACTIVITIES:

Singing and Recitation, Reading story books, Watching movies, Listening music.