MD. Monowar Hossain

✉ mmhossain1@isrt.ac.bd   📞 01580802931   in Linkedin

Education

University of Dhaka

Master of Science (M.S.) in Applied Statistics & Data Science   August 2025 – Present

- **Relevant Coursework:** Bayesian Statistics, Environmental and Spatial Statistics, Causal Inference, Longitudinal Data, Signal Processing, Machine Learning, Big Data Analytics.

University of Dhaka

Bachelor of Science (B.S.) in Applied Statistics   June 2021 – July 2025

- CGPA: 3.72.
- **Relevant Coursework:** Generalized linear models; Survival Analysis; Bayesian Statistics; Time Series; Sampling Methods; Multivariate statistics: PCA, FA, Classification, Clustering; Epidemiology; Population Studies and Demography, Econometric modeling.
- **B.S. Project:** Geospatial and Sociodemographic Inequities in Non-Communicable Diseases Among Ever-Married Women in Bangladesh: Insights from the BDHS 2021–22.

Research Experience

Undergraduate Research

Institute of Statistical Research and Training, University of Dhaka   January 2025 - August 2025

- **Supervisors:** Mr. Priom Saha ↗
- **Project:** Geospatial and Sociodemographic Inequities in Non-Communicable Diseases Among Ever-Married Women in Bangladesh: Insights from the BDHS 2021–22.

Survey

Dhaka University Research Society (DURS)   September 2024- Dec 2024

- **Topic:** Students' Opinion Regarding Party-based Student Politics and Political Activities at the University of Dhaka. [Published in Dhaka University Website] ↗

                    December 2024- May 2025

- **Topic:** Opinions and expectations of current Dhaka University students on state reform of Bangladesh.

                    October 2025- Dec 2025

- **Topic:** Tourism and Coastal Livelihood Transformations: Adaptation and Risk in Bangladesh.

Conferences & Presentations

3rd International Conference on Applied Statistics and Data Science (ICASDS) 2025   28,29 Dec 2025

- **Poster:** Mapping Inequities in Women's Non-Communicable Diseases in Bangladesh: A Geospatial and Machine Learning Approach toward SDG 3.4
- **Poster:** Tourism and Coastal Livelihood Transformations: Adaptation and Risk in Bangladesh.

Teaching Experience

Online Student Trainer

Bangladesh Research Society (BDRS)

Topic: Training on Statistical Tools for Research: SPSS, R and STATA.   July 2025 – Dec 2025
- Conducted advanced training sessions on statistical tools including SPSS, R, and STATA.
- Designed course materials and live demonstrations tailored for research applications.

Topic: Basic Data Analysis Course on SPSS.   Mar 2025 – Apr 2025
- Delivered a foundational course on SPSS for beginners in academic research.
- Focused on data entry, descriptive statistics, and visualization techniques.

Topic: Basic Data Analysis Course on STATA.   Dec 2024 – Jan 2025
- Led a hands-on training program on STATA focused on data management and basic analysis.
- Trained nearly **300 students and professionals** from diverse academic and professional backgrounds.

Professional Experience

Dhaka University Research Society (DURS)

Joint Secretary   Sep 2024- Present
- Assisted in leading the strategic direction and operational management of the organization.
- Coordinated inter-university research programs and academic events.
- Supervised internal teams, maintained stakeholder communication, and ensured timely project delivery.

Center for Robotic Innovation & Development USA (CRID USA)

Research Officer (Voluntary)   Aug 2024- Aug 2025
- Assisted in research projects focused on healthcare innovation and technology.
- Supported data collection, literature review, and analysis of global health trends.
- Ensured quality control and effective communication among research stakeholders.

Dhaka University Research Society (DURS)

Coordinator   Jan 2024- June 2024
- Lead and manage research paper writing projects, ensuring high quality and alignment with academic goals.
- Coordinate research teams and organize programs across BDRS member universities.
- Oversee quality management, provide mentorship, and communicate with stakeholders on project progress.

Dhaka University Runners Community (DURC)

Data Management Specialist   Jan 2024- Present
- Organize and manage both virtual and on-site running events across the university.
- Maintain participant databases, handle digital communication (email and social media), and oversee race logistics.
- Responsible for bib generation, certification, chip timing, and final ranking of participants.

Professional Development & Training

- **DHS Datasets User Online Course** — Certificate of Completion, The Demographic and Health Surveys (DHS) Program, USAID.
- **Research Paper Writing Project** — Certificate of Participation, Dhaka University Research Society (DURS), October 2023–December 2024.
- **Research Learning Program 2024** — Certificate of Completion (Outstanding Performance), Bangladesh Research Society (BDRS), February–August 2024.
- **EconProdigy 6.0** — Certificate of Achievement for outstanding contribution, Young Economists' Forum (YEF), North South University School of Business & Economics.
- **Students' Opinion Regarding Party-Based Student Politics and Political Activities at the University of Dhaka** — Certificate of Appreciation (Researcher), Dhaka University Research Society (DURS), August–September 2024.
- **Research Paper Writing Project** — Certificate of Achievement (Project Coordinator, ICT & Engineering Team), Dhaka University Research Society (DURS), October 2023–December 2024.
- **Online Course on Coronavirus Disease (COVID-19)** — Certificate of Participation, Directorate General of Health Services (DGHS), MuktoPaath.
- **DURC 10K 2025 (Run for Green Campus)** — Certificate of Appreciation (Volunteer Service), Dhaka University Runners Community.

Co-Curricular Activities

- Actively participated in poem recitation performances at the Nobin Boron ceremonies from 2021 to 2024, contributing to the cultural enrichment of the event
- Performed poem recitation at the ISRT Alumni Association (ISRTAA) Reunion 2023.
- Organized the Nobin Boron program 2022, demonstrating strong leadership, coordination, and event management skills.

Technologies

Software skills

- Statistical software: **R** (proficient), **STATA** (intermediate), **SPSS** (intermediate), **Power BI** (beginner), **SQL** (beginner).
- Proficient in **RMarkdown/Quarto**, **LaTeX** and **Microsoft Office/Google Suite**.

Technical skills

- Data analysis and visualization in using **tidyverse** family and **ggplot2** packages.

Reference

Dr. Md Hasinur Rahaman Khan
Professor
Institute of Statistical Research and Training (ISRT), University of Dhaka.
Email: hasinur@isrt.ac.bd

Mr. Priom Saha
Lectuer
Institute of Statistical Research and Training (ISRT), University of Dhaka.
Email: psaha@isrt.ac.bd