

Md Rasel Biswas, M.S.

Institute of Statistical Research and Training (ISRT)

University of Dhaka, Dhaka 1000, Bangladesh

Email: rasel@du.ac.bd

Web: rasel.rbind.io

EDUCATION

University of Dhaka

Master of Science (MS) in Applied Statistics

Dhaka, Bangladesh

Jan 2020 – Jan 2022

- GPA: 4.00/4.00 (Ranked 1st among 21 thesis-group students)
- Thesis: *Evaluation of the Methods for Multi-Parameter Hypothesis Testing in Multiple Imputation*
- Advisor: [Dr. A.H.M. Mahbub-ul Latif](#)

University of Dhaka

Bachelor of Science (BS) in Applied Statistics

Dhaka, Bangladesh

Jan 2016 – Dec 2019

- CGPA: 3.96/4.00 (Ranked 1st among 46 students)
- Thesis: *The Impact of Sample Sizes on the Accuracy of Estimates for a Multi-Level Logistic Regression Model*
- Advisor: [Ms. Noor Jahan Aktar](#)

TEACHING EXPERIENCE

LECTURER

Institute of Statistical Research and Training, University of Dhaka

July 2022 – Present

- Teach undergraduate courses and supervise student research projects.
- Undergraduate Courses Taught:

Year	Course
2024	AST230: R for Data Science (Course site: https://ast230.netlify.app)
2024 –2022	AST301: Design and Analysis of Experiments II (Site: https://ast301.netlify.app)
2024	AST405: Lifetime Data Analysis (Course site: https://ast405.netlify.app)
2023	AST403: Multivariate Statistics II
2023, 2022	AST406: Research Methodology and Social Statistics
2023, 2022	AST332: Statistical Computing VIII

- Developed course materials and conducted lab sessions for multiple “*Applied Statistics and Data Science using R*” training programs at ISRT, University of Dhaka, since 2022.

TEACHING FELLOW

James P Grant School of Public Health, BRAC University

Mar 2022 – Apr 2022

- Assisted in teaching biostatistics for the Master of Public Health (MPH) program.
- Conducted computing lab sessions and provided student support.

GRADUATE STUDENT TUTOR

Institute of Statistical Research and Training, University of Dhaka

Mar 2020 – Sep 2020

- Provided academic support for undergraduate courses, including AST101: Elements of Applied Statistics, AST102: Elements of Probability, AST105: Calculus, AST107: Linear Algebra, AST201: Sampling Distributions and Simulation, AST203: Statistical Inference I, AST204: Design and Analysis of Experiments I, and AST206: Sampling Methods I.

ADVISING AND MENTORING

MASTER'S PROJECTS SUPERVISED

- Samiul Ehsan (MS Session 2022-23): *The Impact of Maternal Employment on Child Nutritional Diversity in Bangladesh: A Causal Forest Analysis with Clustered Data*
- Tanjim Ahmed Ardi (MS Session 2022-23): *Investigating The Role of Rural Residence in Early Marriage in Bangladesh: A Causal Analysis Approach*

UNDERGRADUATE PROJECTS SUPERVISED

- Tayaba Cheragee Prachee (BS Project 2022-23): *Exploring the socioeconomic determinants of dietary diversity in rural bangladesh: A longitudinal study* ([Published article](#))
- Md. Al Amin (BS Session 2022-23): *Modelling and Forecasting Maximum Temperature of the Dhaka City*
- Jannatul Yasmin (BS Session 2022-23): *Knowledge of HIV/AIDS Among Married Women: Comparison Between Three South Asian Countries*
- Md. Aminul Islam Shazid (BS Session 2021-22): *Factors Associated with Fertility: A Poisson Regression Approach*

PUBLICATIONS

ORCID: [0000-0002-7391-7608](https://orcid.org/0000-0002-7391-7608)

PUBLISHED

1. Prachee TC, **Biswas MR**, Islam S (2025) Exploring the socioeconomic determinants of dietary diversity in rural Bangladesh: A longitudinal study. *PLOS ONE* 20(2): e0317623. DOI: [10.1371/journal.pone.0317623](https://doi.org/10.1371/journal.pone.0317623)
2. Barua P, Mahjuba S, **Biswas MR**, Alamgir Khan A, Rahman MK, & Musa S (2024) Socio-Demographic Factors Associated with the Knowledge, Attitude and Practice (KAP) of Dengue Patients of Dhaka City During 2021 Dengue Outbreak. *Bangladesh Journal of Zoology*, 52(2), 167–184. DOI: [10.3329/bjz.v52i2.77271](https://doi.org/10.3329/bjz.v52i2.77271)
3. Barua P, Mahjuba S, Khan AA, **Biswas MR**, Rahman MK, & Musa S (2024) Clinical manifestations and seasonal occurrence of patients with dengue hospitalized at Dhaka city of Bangladesh in 2021. *Dhaka University Journal of Biological Sciences*, 33(1), 33–46. DOI: [10.3329/dujbs.v33i1.72468](https://doi.org/10.3329/dujbs.v33i1.72468)

ACCEPTED / UNDER REVIEW

1. Ehsan S and **Biswas MR** (2025). The Impact of Maternal Employment on Child Nutritional Diversity in Bangladesh: A Causal Forest Analysis with Clustered Data. *Journal of Statistical Research*. Under Review.

TECHNICAL SKILLS

- Programming & Software: Proficient in **R**; intermediate in **Stata** and **SPSS**; beginner in **Python**
- Document Preparation & Version Control: Skilled in **Quarto/R Markdown**, **LaTeX**, **Git**, and **GitHub**
- Data Analysis & Visualization: Expertise in the **tidyverse** ecosystem and **ggplot2** for data manipulation, analysis, and visualization in **R**

HONORS / AWARDS

- 2020: **National Science and Technology Fellowship**, for MS thesis research Govt. of Bangladesh
- 2020: **ISRT Golden Jubilee Gold Medal**, for graduating top of the class in BS Honors Univ. of Dhaka
- 2020: **Dean's Honor Award**, Awarded by the Faculty of Science Univ. of Dhaka
- 2017: **ISRT Merit Stipend** Univ. of Dhaka
- 2017: **Moulovi Ahmed Ullah Memorial Trust Fund Stipend** Univ. of Dhaka

CONFERENCES, AND WORKSHOPS

PRESENTATIONS

- **Invited Talk:** *Evaluation of the Methods for Multi-Parameter Hypothesis Testing in Multiple Imputation: A Focus on Correlated Responses*
Presented at the **8th International Conference on The Role of Statistics and Data Science in 4IR** (Dec 26, 2024).
- **Poster Presentation:** *The Impact of Sample Sizes on the Accuracy of Estimates for a Two-level Logistic Regression Model*
Presented at the **2nd International Conference on Applied Statistics (ICAS2019)** (Dec 29, 2019).

WORKSHOPS AND PARTICIPATION

- **Report Writing Workshop on Bangladesh Demographic and Health Survey 2022**
Organized by **The DHS Program** at NIPORT, Dhaka (Aug 6–14, 2023).
Acknowledged as a contributor to the [2022 BDHS Final Report](#).
- **useR! 2021 – The R Conference**
Participated online (Jul 5–9, 2021).

AFFILIATION

Life Member, Bangladesh Statistical Association (BSA) 2022 - Present

ACADEMIC SERVICE

Galley Proofreader, *Journal of Statistical Research* 2022 — Present

- Formatted galley proofs for 20+ articles in this Scopus-indexed journal, ensuring accuracy and consistency in publication standards.

REFERENCES

1. **Dr. A.H.M. Mahbub-ul Latif**
Professor, ISRT
University of Dhaka, Bangladesh
Email: mlatif@isrt.ac.bd
2. **Dr. Tamanna Howlader**
Professor & Director, ISRT
University of Dhaka, Bangladesh
Email: tamanna@isrt.ac.bd