



Curriculum vitae

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Researcher's Name: Dr. Md. Tahidur Rahman

Academic Career (Only higher education degrees mentioning Universities name and results):

PhD degree awarded from Department of Statistics, Rajshahi University (Result published on 2024).

M.Phil. degree awarded from Department of Statistics, Rajshahi University (Result published on 2017)

Career Objective:

To contribute to teaching and research in Statistics and Data Science by applying my expertise in statistical analysis, data modelling, and research methods. My main research interests include **Public Health, Biostatistics, Bioinformatics, Clinical Trials, and Health in Education**, with a focus on developing and applying statistical and data science methods to address real-world health and social issues. I also aim to support student learning, interdisciplinary research, and evidence-based decision-making.

Expertise in Areas/Fields:

Public Health, Bioinformatics, Biostatistics, and Clinical trials

Professional Experience :

Associate Professor: 17 Feb 2023 to present, Department of Statistics and Data Science, Islamic University, Kushtia

Assistant professor: 17 Feb 2019 to 16 Feb 2023, Total 4 years, Department of Statistics, Islamic University, Kushtia.

Lecturer: 17 Feb 2018-16 Feb 2019, Total 01 year, Department of Statistics, Islamic University, Kushtia.

Senior Statistical programmer: 01 Jan 2010-15 Feb 2018, Total 08 Years 01 Month 15 days, Shafi Consultancy Limited (Research organization, UK based), 93-Kajol sha, Sylhet sadar, Sylhet-3100.

Prior Experience in Implementing Project/Research

Title of the project	Donor/ Sponsor	POSTION IN THE PROJECT	The value of completed projects in BDT	Year	
				From	To
Prevalence and predictors of prehypertension among tertiary level students in Bangladesh	UGC, Bangladesh	Project director	120000	2018	2019
Prevalence and predictors of common mental health disorders in river erosion-prone areas of Bangladesh	UGC, Bangladesh	Project director	127000	2023	2024

Number of Publication's (Journal/Conference/Seminar etc.) with details:

List of Journal Publications (12):

- **Rahman, M.T.,** Rohman, M.L., Alam, M.J. et al (2026). Factors associated with malnutrition among under five children in Bangladesh: a multivariate analysis. J Health Popul Nutr (2026).

<https://doi.org/10.1186/s41043-026-01347-1>

- **Rahman, M. T.**, Rashid, M., Arafat, Y., Fahim, M., Sultana, P., & Islam, M. M. (2026). Prevalence and associated factors of undernutrition among children under the age of 5 years: a cross-sectional study in riverbank erosion areas of Bangladesh. *BMJ open*, 16(2), e103984.
- **Rahman, M. T.**, Alam, M. J., Ahmed, N., Roy, D. C., & Sultana, P. (2023). Trend of risk and correlates of under-five child undernutrition in Bangladesh: an analysis based on Bangladesh Demographic and Health Survey data, 2007–2017/2018. *BMJ open*, 13(6), e070480
- **Rahman, M. T.**, **Alam, M. J.**, Roy, D. C., & Sultana, P. (2022). The cut-off point of obesity among under-five children and analyse the trend in Bangladesh. *International Journal of Statistical Sciences (IJSS)*, Vol. 23(1), March 2023
- Morshed, S., **Rahman, M. T.**, Rokonzaman, S., and Hossain, A. (2022). The Economic Impact of Monsoon Flood and Its Spillover on the Households of Bangladesh. *Journal of Sustainable Development*, 15(3).
- Joy, S. C., **Rahman, M. T.**, and Sultana, P. (2022). Prevalence and predictors of heavy smoking in Bangladesh: Ordinal logistic regression approach. *International Journal of Statistical Sciences, IJSS*, Vol. 23(1).
- **Rahman, M. T.**, Akter, D., Alam, M. J., Uddin K., M., Hossain, A. (2020). Divorce and its Associated Risk Factors: A Case Study in Kushtia District of Bangladesh, *Journal of Science, Islamic University Kushtia, Bangladesh*
- Hossain A, Akter I, Uddin K.M., **Rahman, M. T.** (2020). Depression and Its Associated Risk Factors in River Erosion Area of Bangladesh, *Journal of Applied Science and Technology (JAST) Islamic University Kushtia, Bangladesh*
- Zahan, S., Haque, M. R., **Rahman, M., T.**, Hossain, M. S., Hossain, A. (2020). Impact of river erosion and displacement on BMI: Evidence from Rajbari district, Bangladesh, *Journal of Science, Islamic University Kushtia, Bangladesh*
- Sultana, P., **Rahman, M. T.**, and Roy, D. C. (2018). Tobacco control policies to promote awareness and smoke-free environments in residence and workplace to reduce passive tobacco smoking in Bangladesh and its correlates, *PLoS ONE* 13(6): e0198942.
- Sultana, P., **Rahman, M. T.**, Roy D. C., Akter, S., Rahman, M. M., and Akter, J. (2017). Marketing Policy that accelerates tobacco use in Bangladesh: A Statistical investigation, *Journal of Biostatistics and Bioinformatics*, Vol 8(6): 386
- **Rahman, M. T.**, Roy, D. C., and Sultana, P. (2016). Knowledge and attitude towards tobacco use in Bangladesh, *Journal of the Institute of Bangladesh Studies (JIBS), University of Rajshahi, Vol-38(2015)*.

List of Conference Publications (6):

- **Rahman, M. T.**, Sultana, P., Roy, D. C. (2024). Forecasting the progress of nutritional status towards the target of SDG among under five children in Bangladesh. *8th International Conference on “The Role of Statistics and Data Science in 4IR”* December 26 – 28, 2024 Organized by Department of Statistics University of Rajshahi, Bangladesh
- **Rahman, M. T.**, Sultana, P., Roy, D. C. (2023). Trend of risk and correlates of under-five child

undernutrition in Bangladesh: an analysis based on Bangladesh Demographic and Health Survey data, 2007–2017/2018. *International Conference on The Role of Science and Technology Towards 4IR*, October 5 - 6, 2023, Faculty of Sciences, University of Rajshahi, Rajshahi, Bangladesh

- Sultana P, **Rahman T**, Roy DC(2018). Determining Significant marketing policy that accelerates tobacco use in Bangladesh. *International conference on Public Health 13-14 April 2018 London UK*.
- **Rahman T**, Sultana P and Roy DC (2015). Measuring the Level of Knowledge of Tobacco Use in Bangladesh. *The second international conference on statistics for population and development, 27-29 December 2015, Dhaka, Bangladesh. Organized by: Dhaka University Statistics Department Alumni Association (DUSDAA)*.
- **Rahman T** and DC Roy (2010). “Selecting Auxiliary Variables to Increase the Precision of the Ratio Estimator ” *Eleventh National Statistical conference, 4-5 June, 2010, Dhaka, Bangladesh*.
- DC Roy, **Rahman T** and Rahman M (2010). “Selection of the Auxiliary Variables to improve the Precision of the Product Estimators” *The First International Conference on Theory and applications of Statistics, 26-28 December, 2010, Dhaka, Bangladesh*.

Training (International/Local) with details:

Course title : Probability Theory and Application in Machine Learning
 Institute : Department of Statistics, University of Rajshahi
 Period : 09-10 September 2011

Course title : **MS- Visual Basic 6.0**
 Institute : Rajshahi University Computer Center
 Period : 1 March 2007 to 30 April 2007

International Seminar : **Global Environmental-cum-Ecological Challenges and Sustainability: Statistical Issues**
 Institute : Department of Statistics, University of Rajshahi
 Period : 19-21 December 2006

Workshop : **Multivariate Analysis Its Recent Developments**
 Institute : Diagnostic-Robust-Resampling Statistics and Data Mining Research Group, Department of Statistics, University of Rajshahi
 Period : 27-29 September 2006

Communication Skills:

English (Fluent), Bangla (Native)

Computer Skills:

Programming Applications: C & C++

Statistical Packages and Languages: Expert in SAS, SPSS, Stata and R Language.

General Applications: Expert in MS Office (including MS Access), Internet and E-mailing

Personal information:

Father's Name: Md. Nizamuddin

Mother's Name: Mrs. Jarina Begum

Permanent Address: Vill-Uttar Paria, Post- Bamunia, Thana-Baliadangi, District: Thakurgaon

Date of Birth: 20Aug1983

Nationality: Bangladeshi by birth

Marital Status: Married

Others:

I worked as an **assistant Social welfare and Invitational Secretary** (2006) and **Pro Vice-president** (2007) at Rajshahi University Statistical Association (RUSA).

-I worked as a president of BADHON (A voluntary blood donor's organization) Reg. no: DHA-06152



Signature