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MD MATIUR RAHMAN MOLLA

Work : Department of Statistics, Faculty of Sciences, Islamic University, Kushtia, Bangladesh., Present Address: Metro Plaza, Mir Misarrof Hossain Road, Arua Para, , 7003, Kushtia, Bangladesh

Email: matiuriustat@gmail.com **Email:** mollarahman792@gmail.com

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Gender: Male **Date of birth:** 02/02/1987 **Nationality:** Bangladeshi

ABOUT ME

A passionate data science Ph.D. candidate with over 10 years of experience in academia. Able to work independently and as part of a multi-disciplinary team. A good command of specialized software (RStudio, Python). Proposed Ph.D. research topic: "**Classifying Ethnicities of Bangladesh over Facial Features Using Deep Learning."**

WORK EXPERIENCE

[01/10/2023 – Current]

Associate Professor, Department of Statistics, Faculty of Sciences

Islamic University

City: Kushtia

Country: Bangladesh

- **Lecture:** Planning, preparing, delivering, and motivating students
- **Exam questions**: Setting questioners, preparing, moderating, and evaluating answer scripts
- **Result:** Collecting Marks, Preparing & Publishing
- **Research:** Generating idea and publishing research papers
- **Supervisions**: Project and Thesis (Undergraduate and Graduate)

[01/10/2016 – 30/09/2023]

Assistant Professor

Department of Statistics, Faculty of Sciences, Islamic University, Kushtia-7003,

Country: Bangladesh

- **Lecture:** planning, preparation & delivery
- **Exam questions**: preparing and evaluating answer scripts
- **Result:** Preparing & Publishing
- **Research:** Creating idea and publishing papers
- **Supervisions**: Project and Thesis (Undergraduate and Graduate)

[30/09/2013 – 30/09/2016]

Lecturer

Department of Statistics, Faculty of sciences, Islamic University, Kushtia-7003, Bangladesh.

City: Kushtia

Country: Bangladesh

- **Lecture:** planning, preparation & delivery
- **Exam questions**: preparing and evaluating answer scripts
- **Result:** Preparing & Publishing
- **Research:** Creating idea and publishing papers
- **Supervisions**: Project and Thesis (Undergraduate and Graduate)

EDUCATION AND TRAINING

[09/03/2010 – 24/12/2011]

Master of Science in Statistics

Jahangirnagar university, Savar-1342, Dhaka, Bangladesh https://juniv.edu/

Field(s) of study: Statistics

Final grade: 3.73 (out of 4.00)

-Multivariate Analysis and Categorical Data Analysis
-Advanced Statistical Inference
-Applied Stochastic Process and Stochastic Simulation
-Epidemiology and Biostatistics

[28/02/2006 – 05/01/2010]

Bachelor of Science in Statistics

Jahangirnagar university, Savar-1342, Dhaka, Bangladesh https://juniv.edu/

Field(s) of study: Natural sciences, mathematics and statistics

Final grade: 3.56 (out of 4.00)

- Basic Statistics, Elements of Probability, Linear Algebra, Introduction to Computer with Task-Oriented Software, Numerical Analysis and Basic Computer Programming & Calculus
- Probability Distribution, Sampling Distribution, Regression Analysis, Mathematical Analysis and Differential Equations, Statistical Simulation and Data Processing
- Statistical Inference , Stochastic Process, Analysis of Variance, Econometrics, and Time Series Analysis
- Data Mining, Multivariate Analysis, Design of Experiments, and Advanced Econometrics

LANGUAGE SKILLS

Mother tongue(s): Bengali

Other language(s):

English

LISTENING B2 **READING** B2 **WRITING** C1

SPOKEN PRODUCTION C1 **SPOKEN INTERACTION** B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

MS office | Microsoft Excell | Microsoft Powerpoint | Social Media | Google Docs | RStudio | Python | SPSS

PUBLICATIONS

[2023]

Comparison to the Proposed Hybrid Model and Machine Learning Techniques for Survival Prediction of Corona, Infected Patients

Reference: Md.Asadullah, Md. Murad Hossain, Md. Matiur Rahman Molla, Md. Matiur Rahaman

- This paper was submitted in 2020 but accepted for publication in November 2023, and **Published** on December 31, 2023.

[2023]

"Quantifying Trends of Historical Climatic Variables in the Jessore Region of Bangladesh".

Reference: Asian J. Prob. Stat., vol. 25, no. 1, pp. 89-99, 2023.

[2023]

Quantifying the Interconnection of Economic Growth and Key Macroeconomic Factors Using the VECM Perspective of Bangladesh.

Reference: Haque, A., Rana, M.S., Soni, M.S.M., Kamal Uddin, M., Hossain, M.S., and Molla, M.M.R.

[2023] **Forecasting Climatic Variables using Vector Autoregression (VAR) Model.**

Reference: Md. Nuruzzaman, M. Sifat Muntaha Soni, Md. Shohel Rana, Md. Sazzad Hossain, Md. Matiur Rahman Molla

[2023] **On A New Probability Distribution with Properties and Application**

Reference: Rahman, M.M., Molla, M.M.R, Rana, M.S. (2023).Journal of Sciences, Islamic University, Bangladesh.

[2022] **The Pareto-Rayleigh Distribution: Theory with Some Real-life Applications.**

Reference: Rana, M.S., Molla, M.M.R., Rahman, M.M. (2022).

[2023]

Symmetric Positive Solution for the Coupled System of Nonlinear Fourth Order Ordinary Differential Equations with Three-Point Boundary Value Conditions.

Reference: Asaduzzaman, M., Ali, M.Zulfikar, Soni, M.S.M, and Molla, M.M.R. (2023). Journal of Sciences, IU.

[2023]

Determinants of Institutional Delivery in Bangladesh: A Multilevel Analysis of a Nationwide Population-Based Survey

Reference: Ireen , S., Soni , ..., S., Parvin , S., Sultana , R., Begum , M., & Molla , M. M. R. (2023).

[2016]

Modelling Monthly Precipitation in Faridpur Region of Bangladesh Using ARIMA

Reference: Md. Matiur Rahman Molla , Md. Shohel Rana, Dr. M. Sazzad Hossain , S.M. Nuruzzman

RECOMMENDATIONS

Professor (Vaice-Chancellor)

Name: Dr. Md. Forhad Hossain
Phone number: (+880) 01720105692
Email: forhad.ju88@yahoo.com

Professor Hossain was my class teacher in Bachelor of Honors and Masters in Statistics at Jahangirnagar University, Bangladesh.

Professor

Name: Dr. Md. Kamal Uddin
Phone number: (+880) 01714130235
Email: kamal.iustat@gmail.com

He is my colleague and was the head of the statistics department.

HONOURS AND AWARDS

[25/05/2012] **Masters Merit Scholarship in Department of Statistics Awarding institution:** Jahangirnagar University

This scholarship is awarded to the top students who perform very well in the department under the MS label.

[05/04/2007] **Bachelor of Honors Merit Scholarship Awarding institution:** Jahangirnagar University

This scholarship is awarded to the top students who perform very well in the bachelor of honours programs, successively from the 1st year to the 4th year. I achieved this scholarship over a span of four years.

HOBBIES AND INTERESTS

I am keenly interested to know my ancestors.

- Reading history books
- Reading anthropological books
- To know ethnicity
- Reading newspapers

COMMUNICATION AND INTERPERSONAL SKILLS

Good Command in Communications Skills

- Problem Solving
- Communication
- Teamwork
- Confidence
- Patience
- Confidence
- Networking and building relationships