CURRICULUM VITAE OF MD. SHAHAJADA MIA

Address

Md. Shahajada Mia

Assistant Professor

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CAREER OBJECTIVES

My goal is to advance knowledge through rigorous research in Statistics and Data Science, with a focus on producing meaningful insights that contribute to societal progress. I am committed to conducting research that not only fosters continuous growth but also addresses real-world challenges. Driven by principles of hard work, integrity, and dedication, I strive to make a lasting impact and drive innovation in my field.

RESEARCH INTEREST

Statistical Learning and Modeling, Data Mining, Machine Learning, Time Series Analysis, Econometrics

EDUCATION

PhD (ongoing), School of Computer Science and Engineering, The University of Aizu, Fukushima, Japan	2024-present
Master of Science (M.Sc.) with Thesis in Statistics, Begum Rokeya University, Rangpur **Result: 3.93** (Out of 4.00); Merit position: **1st** (in session: 2013-2014) **Thesis Title:** A Comparative Study of Different Time Series and Artificial Neural Network Models in Forecasting Exchange Rate of Bangladesh.	2013-2014
Bachelor of Science (B.Sc.) in Statistics, Begum Rokeya University, Rangpur **Result: 3.82** (Out of 4.00); Merit position: **1st** (in session: 2009-2010) **Project Title:** Social Structure and Cultural Practices in Slum: A Study in Rangpur City.	2010-2013

PROFESSIONAL EXPERIENCE

Position	Institution	Duration
Assistant Professor	Department of Statistics, Pabna University of Science and Technology, Pabna-6600	From 14-10-2019 to till now
Lecturer	Department of Statistics, Pabna University of Science and Technology, Pabna-6600	From 14-10-2017 to 13-10-2019

ADMINISTRATIVE EXPERIENCE

Assistant Director, Student Advisor Office, Pabna University of Science and Technology, Pabna-6600, from September 2022 to September 2024.

RESEARCH ARTICLE

(i) **Md Shahajada Mia**, Yutaka Watanobe, Md Mostafizer Rahman, Md Faizul Ibne Amin, and Daniel M. Muepu. "Attention-Driven Clustering of Programming Problem Difficulty Using Statistical and Machine Learning Techniques." IEEE Access (2025).

(ii) Saad Sahriar, Sanjida Akther, Jannatul Mauya, Ruhul Amin, **Md Shahajada Mia**, Sabba Ruhi, and Md Shamim Reza. "Unlocking stroke prediction: Harnessing projection-based statistical feature extraction with ML algorithms." Heliyon 10, no. 5 (2024).

(iii) **Md Shahajada Mia**, and Md Siddikur Rahman. "Evaluating the forecast accuracy of exchange rate volatility in Bangladesh using ARCH family of models." American Journal of Mathematics and Statistics 9, no. 5 (2019): 183-190.

(iv) **Md Shahajada Mia**, A. H. M. M. R. Nabeen, and Mst Masrufa Akter. "Modelling and forecasting the consumer price index in Bangladesh through econometric models." American Scientific Research Journal for Engineering, Technology, and Sciences (ASRJETS) 59, no. 1 (2019): 118-127.

(v) AHM Musfiqur Rahman Nabeen, Most Sonia Khatun, **Md Shahajada Mia**, and Md Maidul Husain. "Association between Antenatal Care and Infant Mortality in Bangladesh: Multivariate Survival Regression Analysis." Scientific Research Journal (SCIRJ), (2019).

(vi) **Shahajada Mia**, and Masrufa Akter. "Ready-made garments sector of Bangladesh: Its growth, contribution and challenges." Economics 7, no. 1 (2019): 17-26.

(vii) **Md Shahajada Mia**, and Mst Masrufa Akter. "Factors Affecting Gross Domestic Product of Bangladesh." IOSR Journal of Economics and Finance (IOSR-JEF) 10, no. 4 (2019): 66-70.

(viii) M. Alam, Md Siddikur Rahman, and **Md Shahajada Mia**. "Selection of Appropriate Artificial Neural Network Model for Predicting Monthly Exchange Rate (Taka per US Dollar)." Rese Revi J Stati 6, no. 2 (2017): 30-34.

(ix) **Md Shahajada Mia**, Md Siddikur Rahman, and Sukanta Das. "Forecasting the BTD/USD exchange rate: An accuracy comparison of artificial neural network models and different time series models." Journal of Statistics Applications & Probability Letters: An International Journal 4, no. 3 (2017): 131-138.

- **Research project (ongoing):**

Prevalence and Associated Risk Factors of Self-medication among Adult Peoples in Bangladesh.

AWARDS

- Dean's award, Begum Rokeya University, Rangpur, for 1st position B.Sc (Honours) in 2013 and 1st position M.Sc (Thesis) in 2014.
- Honour received from the Hall Provost, Bangabandhu Sheikh Mujibur Rahman Hall, for joining as a Lecturer in the Department of Statistics at Pabna University of Science and Technology, Pabna-6600.

- Japanese Government (Monbukagakusho) Scholarship awarded by the Ministry of Education, Culture, Sports, Science and Technology (MEXT) for PhD program in Japan (October 2024- present).

RESEARCH GRANT AWARDED

Financial Grants for Research Projects provided by University Grants Commission (UGC) (2018-2019, 2019-2020, 2020-2021, 2021-2022, and 2023-2024).

PROJECT SUPERVISION (WITHOUT GRANT)

A total of 20 students (5 students from 2015-2016 session, 7 students from 2016-2017 session, and 8 students from 2017-2018 session) completed their research project under my supervision.

COMPUTER SKILLS

Python, Statistical R, C/C++, Minitab, Eviews, SPSS, SAS, MS Word, MS Excel, PowerPoint.

LANGUAGE SKILLS

Writing and Speaking (fluently): English and Bengali.

REFERENCES

Dr. Yutaka Watanobe	Dr. Md. Siddikur Rahman
Professor	Associate Professor
Department of Computer Science and Engineering	Department of Statistics
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(Md. Shahajada Mia)