

Abdullah Al Mahmud

CONTACT INFORMATION Dept. of Statistics, Pabna Cadet College Pabna, Bangladesh +880-1722-437040 almahmud.sbi@gmail.com Website Github

RESEARCH INTEREST Probability, Statistical Inference, and Machine Learning

EDUCATION

MS in Statistics

- University of Dhaka (2018-2019)
- CGPA: 2.71 (out of 4)

B.S. in Statistics

- University of Dhaka (2012-2017)
- Project: *An Insight into Induced Seismicity in Bangladesh.*
- Advisor: Md. Ahsan Uddin
- CGPA: 3.31 (out of 4)

Higher Secondary School Certificate

- Dhaka Board (July 2010)
- Udayan Higher Secondary School
- GPA: 5.00 (out of 5)

Secondary School Certificate

- Cumilla Board (May 2008)
- Poura Shahid Smrity Academy
- GPA: 5.00 (out of 5)

Test Scores

- **GRE:** 309 (Quantitative: 160, Verbal: 149)
- **TOEFL:** 89 (Reading: 24, Listening: 21, Speaking: 21, Writing: 23)

MAJOR COURSES

- | | | |
|------------------------------|-------------------------|-------------------------------------|
| • Introduction to Statistics | • Simulations | • Time Series Analysis |
| • Probability | • Theory of Estimation | • Biostatistics |
| • Linear Algebra | • Regression Analysis | • Robust Statistics |
| • Calculus | • Operations Research | • Artificial Intelligence |
| • Mathematical Analysis | • Multivariate Analysis | • Design and Analysis of Experiment |
| | • Stochastic Process | |

PROFESSIONAL EXPERIENCE

Lecturer in Statistics October 2019 - Present
Pabna Cadet College /Pabna/ Bangladesh

Research Assistant September 2019 - October 2019
Engineers and Advisors Ltd. (EAL) / Dhaka/ Bangladesh

Science Contributor October 2016 - August 2019
The Daily Prothom Alo/ Dhaka/ Bangladesh

Content Developer November 2017 - August 2019
Statistical Research Consultants, Bangladesh/ Dhaka/ Bangladesh

CONFERENCE PAPERS	<ul style="list-style-type: none"> • Mahmud, A, A and Rahman, M, M. Goodness of fit for uniform distribution: Benford's law method. National Conference on Applications of Statistics on Sustainable Development Goals, MBSTU-2018, 24 September 2018. ID: TS3-11, Tangail, Bangladesh. 	
ACCEPTED PAPERS	<ul style="list-style-type: none"> • Mahmud, A, A . 2018. Testing of Compliance of Benford's Law with Disaster Death Tolls. Journal of Bangladesh Cadet Colleges. 	
OTHER RESEARCHES (UNPUBLISHED)	<ul style="list-style-type: none"> • An Insight into the Concept and Applications of Negative Probability. • Prediction of Rainfall Pattern in Bangladesh Using Machine Learning Algorithms. • An Insight into Induced Seismicity in Bangladesh. 	
PROFESSIONAL RESEARCH	<p>Feasibility Study November, 2018 Dhaka-Chattogram High-speed Rail Project</p> <p>Social Media Trend Analysis of Youth Students January, 2019 Project by Move Foundation</p>	
TECHNICAL SKILLS	<p>Programming Languages: R, Bash, FORTRAN Statistical Packages: STATA, SPSS, TABLEAU Database: SQL Geospatial Framework: GIS (with R) Document Processing: MS Office, Libreoffice, Markdown, Latex Internet Skills: MathJax, HTML, CSS, SVG, JS</p>	
BOOKS	<p>Benglai Translation of A Briefer History of Time 2017 Ekushey Book Fair Authored by Stephen Hawking and Leonard Mlodino</p> <p>Mohabishwer Simana (Edge of the Universe) 2019 Ekushey Book Fair</p> <p>Osim Somikoron (The Infinite Equation) 2019 Ekushey Book Fair</p>	
WORKSHOPS	<ul style="list-style-type: none"> • July 2018: Day long workshop on <i>Statistics for Research</i> by Dr. Rahmatull Imon, professor, Ball State University, USA. • December 2014: Abdul Jabbar Workshop on Astronomy and Cosmology. • June 2016: Astronomy Workshop conducted by BAA and Russian Cultural Centre, Dhaka. 	
ONLINE COURSES	<p>Coursera August 2020 Introduction to Git and GitHub</p> <p>Courserap May 2020 Linux Tools for Developers</p> <p>Data Camp June 2018 Supervised Learning in R: Classification</p>	
KAGGLE COMPETITIONS	<p>Titanic: Machine Learning from Disaster Accuracy: 76.55%</p> <p>Digit Recognizer Accuracy: 53%</p> <p>Gouse Price Prediction Accuracy: 92%</p>	
EXTRA-CURRICULAR ACTIVITIES	<ul style="list-style-type: none"> • Member at Dhaka University Science Society (DUSS), University of Dhaka. • Writer at National Science Magazines, including BigganChinta. • Regular Public lectures on Mathematics and Astronomy • Writing for Wikipedia 	

LEADERSHIP
SKILLS

- Led a team of 11 members in a research project in fourth year
- Was a coordinator of **Scholar's Forum**, a student welfare organization.
- Coordinated Science Writers' cell, a platform of Bengali Science Writers.

LANGUAGE SKILLS

Bengali: Mother Tongue
English: Fluent in all areas
Arabic: Introductory

REFERENCES

Dr. Md. Jafar Ahmed Khan

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University of Dhaka
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DR. MD. Jamil Hasan Karami

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