

Abdullah Al Mahmud

CONTACT INFORMATION	Flat: B-19, Kortoa Building, Pabna Cadet College Pabna, Bangladesh	+880-1722-437040 almahmud.sbi@gmail.com Website Github
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RESEARCH INTEREST	Probability, Statistical Inference, and Machine Learning
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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

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| • 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 (statistics)	October 2019 - Present
Engineers and Advisors Ltd. (EAL)/ Dhaka/ 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 College. 	
OTHER RESEARCHES (UNPUBLISHED)	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	Feasibility Study Dhaka-Chattogram High-speed Rail Project Social Media Trend Analysis of Youth Students Project by Move Foundation	November, 2018 January, 2019
TECHNICAL SKILLS	Programming Languages: Statistical Programming: Statistical Packages: Database: Geospatial Framework: Document Processing: Internet Skills:	FORTRAN, Bash R STATA, SPSS, TABLEAU SQL GIS (with R) MS Office, Libreoffice, Markdown, Latex MathJax, HTML, CSS, SVG, JS
BOOKS	Bengali Translation of A Briefer History of Time Authored by Stephen Hawking and Leonard Mlodino Mohabishwer Simana (Edge of the Universe) Osim Somikoron (The Infinite Equation)	2017 Ekushey Book Fair 2019 Ekushey Book Fair 2019 Ekushey Book Fair
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	Coursera Introduction to Git and GitHub Courserap Linux Tools for Developers Data Camp Supervised Learning in R: Classification	August 2020 May 2020 June 2018
KAGGLE COMPETITIONS	Titanic: Machine Learning from Disaster Digit Recognizer Gouse Price Prediction	Accuracy: 76.55% Accuracy: 53% Accuracy: 92%

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	<ul style="list-style-type: none"> • 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: English: Arabic:	Mother Tongue Fluent in all areas Introductory
REFERENCES	<p>Dr. Md. Jafar Ahmed Khan Professor, Department of Statistics University of Dhaka Dhaka - 1000, Bangladesh E-mail: jafar@du.ac.bd Phone: 880-2-9661900/7219, +8801965350939</p> <p>Dr. Wasimul Bari Professor, Department of Statistics University of Dhaka Dhaka - 1000, Bangladesh E-mail: w_bari@du.ac.bd Phone: 880-2-9661900/7191, +8801747424348</p> <p>Dr. Taslim Sazzad Mallick Associate Professor, Department of Statistics University of Dhaka Dhaka - 1000, Bangladesh E-mail: tsmallick@du.ac.bd Phone: 880-2-9661900, 9001321, +8801747424348</p>	