

## 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	<p>MS in Statistics</p> <ul style="list-style-type: none"><li>• University of Dhaka (2018-2019)</li><li>• CGPA: 2.71 (out of 4)</li></ul> <p>B.S. in Statistics</p> <ul style="list-style-type: none"><li>• University of Dhaka (2012-2017)</li><li>• Project: <i>An Insight into Induced Seismicity in Bangladesh.</i></li><li>• Advisor: Md. Ahsan Uddin</li><li>• CGPA: 3.31 (out of 4)</li></ul> <p>Higher Secondary School Certificate</p> <ul style="list-style-type: none"><li>• Dhaka Board (July 2010)</li><li>• Udayan Higher Secondary School</li><li>• GPA: 5.00 (out of 5)</li></ul> <p>Secondary School Certificate</p> <ul style="list-style-type: none"><li>• Cumilla Board (May 2008)</li><li>• Poura Shahid Smrity Academy</li><li>• GPA: 5.00 (out of 5)</li></ul> <p><b>Test Scores</b></p> <ul style="list-style-type: none"><li>• <b>GRE:</b> 309 (Quantitative: 160, Verbal: 149)</li><li>• <b>TOEFL:</b> 89 (Reading: 24, Listening: 21, Speaking: 21 , Wriitng: 23 )</li></ul>																			
MAJOR COURSES	<table><tr><td>• Introduction to Statistics</td><td>• Simulations</td><td>• Time Series Analysis</td></tr><tr><td>• Probability</td><td>• Theory of Estimation</td><td>• Biostatistics</td></tr><tr><td>• Linear Algebra</td><td>• Regression Analysis</td><td>• Robust Statistics</td></tr><tr><td>• Calculus</td><td>• Operations Research</td><td>• Artificial Intelligence</td></tr><tr><td>• Mathematical Analysis</td><td>• Multivariate Analysis</td><td>• Design and Analysis of Experiment</td></tr><tr><td></td><td>• Stochastic Process</td><td></td></tr></table>		• 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	
• 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	<table><tr><td><b>Lecturer in Statistics</b> Pabna Cadet College /Pabna/ Bangladesh</td><td>October 2019 - Present</td></tr><tr><td><b>Research Asistant</b> Engineeers and Advisors Ltd. (EAL) / Dhaka/ Bangladesh</td><td>September 2019 - October 2019</td></tr><tr><td><b>Science Contributor</b> The Daily Prothom Alo/ Dhaka/ Bangladesh</td><td>October 2016 - August 2019</td></tr><tr><td><b>Content Developer</b> Statistical Research Consultants, Bangladesh/ Dhaka/ Bangladesh</td><td>November 2017 - August 2019</td></tr></table>		<b>Lecturer in Statistics</b> Pabna Cadet College /Pabna/ Bangladesh	October 2019 - Present	<b>Research Asistant</b> Engineeers and Advisors Ltd. (EAL) / Dhaka/ Bangladesh	September 2019 - October 2019	<b>Science Contributor</b> The Daily Prothom Alo/ Dhaka/ Bangladesh	October 2016 - August 2019	<b>Content Developer</b> Statistical Research Consultants, Bangladesh/ Dhaka/ Bangladesh	November 2017 - August 2019										
<b>Lecturer in Statistics</b> Pabna Cadet College /Pabna/ Bangladesh	October 2019 - Present																			
<b>Research Asistant</b> Engineeers and Advisors Ltd. (EAL) / Dhaka/ Bangladesh	September 2019 - October 2019																			
<b>Science Contributor</b> The Daily Prothom Alo/ Dhaka/ Bangladesh	October 2016 - August 2019																			
<b>Content Developer</b> Statistical Research Consultants, Bangladesh/ Dhaka/ Bangladesh	November 2017 - August 2019																			

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

LEADERSHIP SKILLS	<ul style="list-style-type: none"> <li>• Led a team of 11 members in a research project in fourth year</li> <li>• Was a coordinator of <a href="#">Scholar's Forum</a>, a student welfare organization.</li> <li>• Coordinated Science Writers' cell, a platform of Bengali Science Writers.</li> </ul>	
LANGUAGE SKILLS	Bengali: English: Arabic:	Mother Tongue Fluent in all areas Introductory
REFERENCES	<p><b>Dr. Md. Jafar Ahmed Khan</b>  Professor, Department of Statistics  University of Dhaka  Dhaka - 1000, Bangladesh  E-mail: <a href="mailto:jafar@du.ac.bd">jafar@du.ac.bd</a> Phone: 880-2-9661900/7219, +8801965350939</p> <p><b>Dr. Wasimul Bari</b>  Professor, Department of Statistics  University of Dhaka  Dhaka - 1000, Bangladesh  E-mail: <a href="mailto:w.bari@du.ac.bd">w.bari@du.ac.bd</a> Phone: 880-2-9661900/7191, +8801747424348</p> <p><b>Dr. Taslim Sazzad Mallick</b>  Associate Professor, Department of Statistics  University of Dhaka  Dhaka - 1000, Bangladesh  E-mail: <a href="mailto:tsmallick@du.ac.bd">tsmallick@du.ac.bd</a> Phone: 880-2-9661900, 9001321, +8801747424348</p>	