Résumé of

Abdullah Al Mahmud

Lecturer in Statistics, Pabna Cadet College

Contact Information

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Github: *mahmudstat*

Website: Stat Mania

Employment History

Lecturer in Statistics

- *Pabna Cadet College*
- October, 2019 - Present

Research Assistant

- *Engineers and Advisers Ltd. (EAL)*
- September, 2019 - October, 2019

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)

Research Experiences

Conference Presentations

1. 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 Articles

1. Mahmud, A, A . 2018. Testing of Compliance of Benford's Law with Disaster Death Tolls. Journal of Bangladesh Cadet Colleges.

Submitted Papers

Professional Researchers

1. **Feasibility Study of Dhaka-Chattogram High-speed Rail Project**

- November, 2018

2. **Social Media Trend Analysis of Youth Students**

- January, 2019

Other Reseacrhes

- *An Insight into the Concept and Applictaions of Negative Probability*
- *Prediction of Rainfall Pattern in Bangladesh Using Machine Learning Algorithms*
- *An Insight into Induced Seismicity in Bangladesh*

Kaggle Competitions

- **Titanic: Machine Learning from Disaster**

  Accuracy: 76.55%

- **Digit Recognizer**

  Accuracy: 53%

- **House Price Prediction**

  Accuracy: 92%

Science Books

1. **Bengali Translation of** *A Briefer History of Time*

- 2017 Ekushey Book Fair
- Authored by Stephen Hawking and Leonard Mlodino

2. **Mohabishwer Simana (Edge of the Universe)**

- 2019 Ekushey Book Fair

3. **Osim Somikoron (The Infinite Equation)**

- 2019 Ekushey Book Fair

4. **Chondrojoyer 50 Bochor**

- 2020 Ekushey Book Fair
- Partially-authored

5. Translation of The Last Three Minutes*

- To be published in 2021 Ekushey Book Fair

Websites Developed

- *Stat Mania*
- *Statistics with R*
- *Bishwo.com*
- *Osim Somikoron*
- *The Last Three Minutes*
- *Astronomy in Bengali*

Technical Skills

Skills

- *Programming Languages:* R, Bash, FORTRAN
- *Statistical Packages:* STATA, SPSS, TABLEAU
- *Database Management:* SQL
- *Geospatial Framework:* GIS (with R)
- *Document Processing:* MS Office, Libreoffice, Markdown, Latex
- *Internet Skills:* MathJax, HTML, CSS, SVG, JS

Courses

1. **Introduction to Git and GitHub**

- Coursera
- August 2020

2. **Linux Tools for Developers**

- Coursera
- May 2020

3. **Supervised Learning in R: Classification**

- Data Camp
- June 2018

Talks

1. **Mathematics is Beautiful, So Is Programming**

- *MIU, 2018*

2. **How to catch a Cheat Using Statistics**

- *Notre Dame College, 2017*

Workshops

- **July 2018:** *Day long workshop on Statistics for Research 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*

Extra-curricular Activities

- *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