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# Résumé

of *Abdullah Al Mahmud*

Lecturer in Statistics, Pabna Cadet College

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## Contact Information

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**Github:** *mahmudstat*

**Website:** statmania

## 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 Reseaches

- *An Insight into the Concept and Applctaions 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*
- *Bishow.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