Md. Mazharul Islam

House# 290, South Monipur, Mirpur
Dhaka, Bangladesh
+880 1685184477
mislam6@isrt.ac.bd

Curriculum Vitae

Education

2014 **Master of Science in Applied Statistics**, *Institute of Statistical Research and Training*, University of Dhaka, Bangladesh, *CGPA – 3.74 (On a scale of 4.00)*.

2013 **Bachelor of Science in Applied Statistics**, *Institute of Statistical Research and Training*, University of Dhaka, Bangladesh, *CGPA – 3.64 (On a scale of 4.00)*.

Professional Research Experience

Mar, 2019 - present **Research Associate**, *Bangladesh Institute of Governance and Management*, Dhaka

Aug, 2018 - Feb, 2019 **Data Scientist**, *Insightin Technology*, Dhaka.

Jan, 2018 - Jul, 2018 **Statistician & Project Manager**, *Eusuf and Associates*, Dhaka.

Jun, 2016 - Dec, 2016 **Statistician**, *National Institute of Mental Health (NIMH)*, Dhaka.

May, 2015 - Jun, 2016 **Senior Research Assistant**, *Nutrition Program Evaluation Unit, NCSD (old CNFS)*, icddr,b.

Academic Research Experience

Thesis (MS) "Modified profile likelihood estimation and inference techniques for survival distributions and models", under the supervision of Dr. Md Hasinur Rahaman Khan , Associate Professor of Applied Statistics, Institute of Statistical Research and Training, University of Dhaka.

Project (BS) "An evaluation of conventional sample selection procedure and a suggestion as well as justification of response based selection procedure", under the supervision of Dr. Sharif Mahmood, Instructional Faculty, Department of Statistics & Actuarial Science, University of Iowa.

Research Publications

Journal Article

1. Islam MM , Khan MHR and Hawlader T. (2019). *Modified profile likelihood estimation for the Weibull regression models in survival analysis.* Communications in Statistics - Theory and Methods, *48*(9), 2329-2343

2. Islam MM , Khan JR and Raheem E (2017). *Bradley-Terry model for assessing the performance of ten ODI cricket teams adjusting for home ground effect.* Journal of Data Science, 16, 657-668.

3. Khan JR, Islam MM, Awan N and Muurlink O (2017). *Analysis of low birth weight and its co-variants in Bangladesh using a mixed effects model.* BMC pediatrics, 18(1), 100.

4. Islam MM, Khan JR, Kabir A and Khan DMJR (2019). *Early childhood development and its correlates among pre-school aged children in Bangladesh.* Under review.

5. Khan JR, Islam MM, Biswas RK, Sultana A (2019). *An assessment of child-mother anemia clustering in Bangladesh.* Under review.

6. Islam MM, Sultana T, Dey S, *Predicting Hypertension from Survey Questionnaire using Machine Learning Techniques.* Submitted.

Software Package

R package

1. Islam MM, Khan JR and Khan MHR (2017). **mapReasy** *: Producing Administrative Boundary Map with Additional Features Embedded.* **CRAN**(online link)

2. Islam MM and Khan MHR (2016). **MPLikelihoodWB** *: Modified Profile Likelihood Estimation for Weibull Shape and Regression Parameters.* **CRAN**(online link)

Conference Proceedings

Islam MM and Khan JR (2015). *Assessing the performance of Top-ten cricket teams in ODI cricket: using a paired comparison model,* The Second International Conference on Theory and Applications of Statistics, December 27-29, 2015, University of Dhaka, Bangladesh.(Presented)

Islam MM and Khan MHR (2015). *Modified profile likelihood estimation and infer- ence techniques for survival distributions and models ,* International conference on "Bioinformatics and Biostatistics Applications in Cancer Genomics Research" , April 26-28, 2015, Qatar University, Qatar. (Accepted)

Courses taken

1. Hands-On Quantitative Analysis for Executives. Course Assistant Director & Instructor, Bangladesh Institute of Governance and Management.

2. Data Analytics in R and Python. Course Co-director & Instructor, Bangladesh Institute of Governance and Management.

Computer Skills

Operating System	Windows, Linux
Programming Language	R, Python, SPSS, SAS, Stata, C (basic)
Document Processing	Microsoft Office, Latex

On-line Courses

1. Machine learning A-Z: Hands-On Python & R In Data Science. *Udemy, completed on October 6, 2017.*

2. Data Science A-Z: Real-Life Data Science Exercises. *Udemy,*

Volunteer Experience

International Conference on Applied Statistics, December 27-29, 2014, University of Dhaka, Bangladesh