

MOST SIFAT MUNTAHA SONI

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RESEARCH INTERESTS

Cancer epidemiology, HIV, Hepatitis C Virus (HCV) and sexually-transmitted infections (STIs); sexual risk behaviors, apply statistical methods on infectious diseases.

EDUCATION

Master of Science in Statistics, Biostatistics and Informatics (April 2011- November 2012)
University of Dhaka, Bangladesh
GPA: 3.77/4.00 (Secured 2nd Position)

Bachelor of Science in Statistics, Biostatistics and Informatics (March 2006- November 2011)
University of Dhaka, Bangladesh
CGPA: 3.75/4.00 (Secured 3rd Position)

Relevant coursework: Multivariate Analysis, Statistical Inference, Biostatistics, Design and Analysis of Experiments, Stochastic Process, Epidemiology, Sampling Techniques I & II, Regression Analysis, Econometrics, Probability Distribution, Time Series Analysis, Mathematical Analysis, Calculus I & II, Differential Equation, Linear Algebra, Numerical Mathematics.

PROGRAMMING SKILLS

Software and Programming: R, SAS, SPSS, STATA, S-plus, LaTeX.
Applications: Microsoft Office (Access, Excel, Word, PowerPoint, Publisher)

WORK EXPERIENCES

Assistant Professor (October 2016- Present)
Department of Statistics, Islamic University, Kushtia, Bangladesh

Lecturer (September 2013-September 2016)
Department of Statistics, Islamic University, Kushtia, Bangladesh

RESEARCH EXPERIENCES

Thesis: Contribution of Informed Reference Prior in Bayesian Meta-Analysis
University of Dhaka, Dhaka, Bangladesh
Advisor: Dr. Md. Belal Hossain

Contribution: I used this prior for both primary and summary dataset. I also compared this Prior's performance to that of other types of priors.

Project: Factors Influencing women empowerment level in Bangladesh

University of Dhaka, Dhaka, Bangladesh

Advisor: Prof. Murshida Khanam

Contribution: I investigated the effects of social, economic, and demographic issues on women empowerment in Bangladesh. The human empowerment index of the UN model is used to calculate empowerment levels in this study.

PUBLICATIONS

Parh, Sumy, and **Soni** et el. “Restaurant Revenue Prediction Applying Supervised Learning Methods”. Journal of Statistics Applications and Probability 12(1) (January 2023), pp.1-10.

Soni, Sazzad and Ireen et el. “Analysis of early Marriage among Young Women in Bangladesh using Multiple Classification and Logistic Model”. Journal of Applied Science and Technology 10 (2) (July 2016), pp.61-67.

Soni, Ireen, and Siddique et el. “Factors Influencing Empowerment Level of Women: A Case Study of Kushtia, Bangladesh”. The International Advanced Research Journal of Science, Engineering and Technology 3 (2) (Feb. 2016), pp. 93–97.

Soni and Hossain. “Contribution of Informed Reference Prior Using Primary and Summary Measure Data in Bayesian Meta-Analysis”. The Dhaka University Journal of Science 63(2) (July 2015), pp. 61–65.

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HONORS AND AWARDS

Dean’s Award from the Faculty of Science at the University of Dhaka, Bangladesh

EXTRA-CURRICULAR ACTIVITIES

- Lifetime member of Dhaka University Statistics Department Alumni Association (DUSDAA).
- Participated in the First International Conference on Theory and Application as a volunteer in Dhaka, Bangladesh.
- Worked as a member of Bangladesh Girl Guides at University of Dhaka.