

Md. Shaddam Hossain Bagmar

Biostatistics
McGill University
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EDUCATION

Department of Epidemiology, Biostatistics and Occupational Health
McGill University, Canada
PhD Candidate (Biostatistics).

Sep' 2019 - present

Department of Mathematics and Statistics,
University of Calgary, Canada
Master's in Statistics (Thesis based).

Sep' 2017 - Aug 2019

Thesis: Causal Inference with Missingness in Confounders.

Institute of Statistical Research and Training (ISRT),
University of Dhaka, Dhaka, Bangladesh
Master of Applied Statistics,

Jan' 2012 - Apr' 2013

Thesis: Comparing robustness properties of optimal designs for standard and compound criteria.

Institute of Statistical Research and Training (ISRT),
University of Dhaka, Dhaka, Bangladesh
Bachelor of Applied Statistics,

Feb' 2008 - Dec' 2011

Project: Modelling the determinants of chronic poverty in Bangladesh using classical and Bayesian approach: a case study.

RESEARCH INTERESTS

Causal Inference, Design of Experiments, Biostatistics, Bayesian Analysis, Stochastic Processes, Time Series Data Analysis

WORKSHOPS

“Functional Data Analysis for Big Data” workshop at 47th Annual Meeting of the Statistical Society of Canada (SSC) in Calgary, Canada, May 2019.

“PIMS Industrial Problem Solving Workshop (IPSW)” workshop at University of Calgary, Alberta, Canada in August 2018.

“CANSSI/SAMSI Summer School on Mathematical and Statistical Model Uncertainty” workshop at Simon Fraser University, British Columbia, Canada in July 2018.

“Discovery of causal structure in high dimensions ” workshop at University of Montreal, Quebec, Canada in August 2018.

RESEARCH TALKS

“Causal inference with missingness in confounders” contributed research talk at 47th Annual Meeting of the Statistical Society of Canada (SSC) in Calgary, Canada, May 2019.

“Modeling survival time of German breast cancer patients” a poster presentation as a course requirement at University of Calgary, Canada, April 2018.

“Modified version of criteria in selecting optimal designs”, research seminar presentation at Department of Mathematics and Statistics, University of Calgary, Canada, January 30, 2018.

“Factors Affecting Birth Intervals in Bangladesh: Clustered Data Approach”, research project presentation as a course requirement at University of Calgary, Canada, December 6, 2017.

“A comparative study on different class of optimal design criteria”, a conference talk in the International Statistical Institute Regional Statistics Conference (ISIRSC) 2014, 16-19 November 2014, Kuala Lumpur, Malaysia.

“Robustness properties of optimal designs with standard and compound criteria” a seminar talk at Institute of Statistical Research and Training (ISRT), University of Dhaka, May 15, 2014, Dhaka, Bangladesh.

“Comparing Robustness Properties of Optimal Designs for Standard and Compound Criteria”

thesis presentation at Institute of Statistical Research and Training (ISRT), University of Dhaka, April 3, 2013, Dhaka, Bangladesh.

PUBLICATIONS

Khudri, M., **Bagmar, S. H.**, and Redwan, A. M. Characterization of Spatio-Temporal Trend in Temperature Extremes for Environmental Decision Making in Bangladesh. Accepted in *International Journal of Global Warming*, 2019.

Emran, A., Roy, S., **Bagmar, S. H.**, and Mitra, C. Assessing Topographic Controls on Vegetation Characteristics in Chittagong Hill Tracts (CHT) from Remotely Sensed Data. *Remote Sensing Applications: Society and Environment* 11: 198-208, 2018.

Bagmar, S. H. Performance of new proposed criteria in inferential procedures and robustness under missing observations. *Journal of Information and Optimization Sciences*, 40 (1): 115-128, 2018.

Bagmar, S. H., and Khudri, M. Tracking Changes and Identifying Determinants of Child Malnutrition Status over the Past Decade in Bangladesh. *Pakistan Journal of Nutrition*, 14 (12): 964-971, 2015.

Husain M. M., and **Bagmar, S. H.** Modeling Under-dispersed Count Data Using Generalized Poisson Regression Approach. *Global Journal of Quantitative Sciences*, 2 (4): 22-29, 2015.

Bagmar, S. H., Ahmed, S., and Deepty, S. T. Comparative Analysis of Revenue and Expenditure of Bangladesh Railway and the Future Trends. *Journal of Finance and Banking, University of Dhaka*, 12 (1 & 2): 45-61, 2014.

AWARDS AND ACHIEVEMENTS

PIMS Financial Support for attending '2018 Industrial Problem Solving Workshop' (IPSW) held at University of Calgary, Alberta, Canada in August 19-24, 2018. [CAD 200]

CANSSI/SAMSI Travel Award for attending the workshop on uncertainty quantification (UQ) held at Simon Fraser University, British Columbia, Canada in July 23-27, 2018. [CAD 850]

CRM Travel Award for attending the workshop on causal inference held at University of Montreal, Quebec, Canada in June 25-27, 2018. [CAD 500]

ISI RSC Travel Award for attending the ISI Regional Statistics Conference 2014, Kuala Lumpur, Malaysia in November 16-19, 2014. [CAD 1100]

Dean's Award 2011 under the Faculty of Science, University of Dhaka for the academic excellence in B.S. Honours Examination.

Talent Pool Scholarship from University of Dhaka for the academic excellence in B.S. Honours Examination.

Undergraduate Scholarship on each academic year from Institute of Statistical Research and Training (ISRT), University of Dhaka for the results in undergraduate level.

Dhaka Board Scholarship 2006 for the outstanding result in the higher secondary certificate examination.

Dhaka Board Scholarship 2004 for the outstanding result in the secondary school certificate examination.

Junior Scholarship 2001 from educational board Dhaka for the outstanding result in the examination.

EMPLOYMENT

Graduate Teaching Assistant at the Department of Mathematics and Statistics at University of Calgary, Canada. [September 1, 2017 - Present]

Assistant Professor (on leave) of Applied Statistics, Institute of Statistical Research and Training (ISRT), University of Dhaka, Dhaka, Bangladesh. [May, 2017 - Present]

Member of basketball committee at University of Dhaka, Dhaka, Bangladesh. [July, 2016 -

August, 2017]

Sports Teacher at Institute of Statistical Research and Training (ISRT), University of Dhaka, Dhaka, Bangladesh. [June, 2015 - January, 2017]

Assistant House Tutor at Amar Ekushey Hall, University of Dhaka, Dhaka, Bangladesh. [January, 2015 - August, 2017]

Lecturer of Applied Statistics, Institute of Statistical Research and Training (ISRT), University of Dhaka, Dhaka, Bangladesh. [February, 2014 - May, 2017]

Senior Research Assistant at International Centre for Diarrhoeal Disease Research, Bangladesh (icddr,b) under the project on “Coverage of Child Immunization in Bangladesh”. [July, 2013 - September, 2013]

Research Associate at Associates for Development Services Limited (ADSL) under the project entitled, “ Implementation of Monitoring and Evaluation (M & E) for IFC Bangladesh”. [May, 2013 - June, 2013]

COMPUTER
SKILLS

Computer Fundamentals : \LaTeX , Beamer, Microsoft Word, Excel, Power Point
Programming Software : R, SPSS, SAS, Minitab and C
Operating System : Windows.

PERSONAL
DETAILS

Name : Md. Shaddam Hossain Bagmar
Fathers Name : Mohammad Ali Bagmar
Mothers Nmae : Late Jamana Khatun
Date of Birth : November 14, 1988
Nationality : Bangladeshi, **Blood Group:** B(+)
Spouse's Name : Ajmery Jaman
Adress : Apartment-16, 3563 Rue University, Montreal, Quebec, Canada.
