Sudipta Saha

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Education

University of Toronto   **Canada**
PhD student in Biostatistics, 3rd year   *Sept 2015 – Present*
Thesis topic: '*Causal Inference Methods for Secondary Analysis of Randomized Screening Trials.*'

University of Toronto   **Canada**
Master of Science in Biostatistics   *Sept 2014 – Aug 2015*

Ball State University   **U.S.A**
Master of Science in Mathematical Statistics,   *Aug 2011 – May 2013*
Master's thesis: '*A Comparative Analysis on Computational Methods for Fitting an Exponential Random Graph Model to Biological Network Data.*'

University of Dhaka   **Bangladesh**
Master of Science in Statistics   *Nov 2008 – Feb 2010*

University of Dhaka   **Bangladesh**
Bachelor of Science in Statistics   *Jul 2003 – Aug 2008*

Research Experience

Public Health Ontario   **Toronto, Canada**
Practicum Student   *Oct 2016 – May 2017*
○ *Evaluating the impact of a nutrition labelling system on consumers' food purchase.*

Cancer Care Ontario   **Toronto, Canada**
Student Analyst   *Jul 2015 – Sept 2015*
○ *Predicting the total number of Chronic Kidney Disease (CKD) patients in Ontario using Logistic regression.*

Centre for Addiction and Mental Health   **Toronto, Canada**
Practicum Student   *Oct 2014–Apr 2015*
○ *Comparative analysis of available methods for calculating area under the curve of longitudinal data.*

University of South Carolina   **Columbia, U.S.A**
Research Assistant   *Aug 2013 – May 2014*
○ *Application of discrete and continuous Markov models on Human papillomavirus infected patients'*

Ball State University   **Muncie, U.S.A**
Research Assistant   *May 2012 – Aug 2012*
○ *Network motif identification and structure detection with graphical models*

Research Interests

Causal Inference, Survival Analysis, Predictive Modeling

Teaching Experience

University of Toronto   **Toronto, Canada**
Teaching Assistant   *Sept 2014 – Dec 2017*
- Courses: *Intro to Applied Statistics (STA215) (UTM);*
  Statistics I (STAB22), Intro to Stat for Social Sciences (STAB23), Intro to Probability (STAB52), Intro to Statistics (STAB57) (UTSC);
  Intro to Statistical Methods for Clinical Trials (CHL5227H) (UTSG).

Ball State University   **Muncie, U.S.A**
Course Instructor   *Aug 2012 – May 2013*
- Taught a first-year level applied mathematics class (Math-125) for two semesters.

Awards & Achievements

University of Toronto Fellowship: Graduate scholarship   *Sept 2015 – Aug 2020*

University of Toronto Travel Grant: Travel award   *Sept 2015 – Aug 2020*

Welcome Speaker: 37th Annual Midwest Biopharmaceutical Statistics Workshop   *May 2013*

Ball State Fellowship: Graduate scholarship   *Sept 2011 – May 2013*

Dr. Mir Masoom Ali Research Grant: Academic fellowship   *Oct 2012*

Aspire Research Grant: Academic research grant   *May 2012*

Sweden-Bangladesh Travel Grant: National travel grant   *May 2012*

Software skills

Programming: R, SAS   **Statistical Software**: SPSS, Minitab, WinBUGS

Report Writing: Latex, Microsoft word   **Operating system**: Windows, Linux

Voluntary Activities

Ogranizer: Canadian Statistics Student Conference 2018   *Jun 2018*

Voluntear: Biostatistics Research Day 2015, 2016

Ongoing Projects

Public Health Ontario   **Toronto, Canada**
Statistical Consultant   *April 2017 – Mar 2018*
- Title: *Infant Feeding Surveillance: Multiple Time Point Survey.*
- Responsibilities: Implementing Syntax in four software: R, SAS, SPSS and STATA.

                                                   Toronto, Canada
Student Analyst   *Jan 2018 – Feb 2018*
- Title: *Factors Effecting the Survival of Short Bowel Syndrome patients*
- Responsibilities: Data analysis and reporting results.

Publications and Presentations

International Journal Publications
- **Saha, S.**, & Begum, M. 2015. A Comparative Analysis on Computational Methods for Fitting an Exponential Random Graph Model (ERGM) to Biological Network Data. *Network Biology*, 5(1), 1-12.
- Begum, M., Bagga, J., Blakey, A. & **Saha, S**. 2014. Network motif identification and structure detection with graphical models. Network Biology, 14(4), 155-169.

Conference Presentations
- **Saha**, S. & Sanches, M. 2015. Simulation on Area under the Curve (AUC) Methodology: Comparison between Summary Measures and Summary Statistics (Poster). Biostatistics Research Day, University of Toronto, Canada.
- **Saha, S.**, Indralingam, M., Varu, A., Panna, Y., Kanwar, P., & Xiao, B. 2015. Analysis of Youth Unemployment Trend after 2008 Financial Crisis (Poster). Annual Meeting of the Statistical Society of Canada, Dalhousie University, Canada.
- Soltanifar, M., Indraligam, M., Su, J., Varu, A., **Saha, S.**, & Xiao, B., 2015. A Meta-Analysis of Tiffeneau-Pinelli Spirometric Index in Men and Women: Does Race Matter? (Poster) Canadian Society for Epidemiology and Biostatistics Conference, Toronto, Canada.
- **Saha, S.** Begum, M., Bagga, J. & Blakey, A. 2013. A Comparative Analysis on Computational Methods for Fitting an Exponential Random Graph Model to Biological Network Data (Poster). Annual Midwest Biopharmaceutical Statistics Workshop, Ball State University, USA.
- **Saha, S.** 2010. Bivariate Exponential Distribution and Censoring. International Conference of Statistics, Dhaka University, Bangladesh.