

## Sudipta Saha

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CONTACT INFORMATION	525-35 Bastion Street Toronto ON M5V0C2	email: <a href="mailto:sudip.saha@mail.utoronto.ca">sudip.saha@mail.utoronto.ca</a> website: <a href="https://sahasud1.github.io/">https://sahasud1.github.io/</a>
RESEARCH INTERESTS	Causal Inference, Survival Analysis, Predictive Modeling.	
EDUCATION	<b>University of Toronto</b> , Toronto, ON  Ph.D. Candidate, <b>Biostatistics</b> , <i>Expected</i> : Aug 2020 <ul style="list-style-type: none"><li>Thesis Topic: <i>Causal Inference Methods for Secondary Analysis of Randomized Screening Trials</i></li><li>Supervisor: <b>Olli Saarela</b>, Ph.D</li></ul> M.S., <b>Biostatistics</b> , Aug 2015 <b>Ball State University</b> , Muncie, IN  M.S., <b>Mathematical Statistics</b> , May 2013 <ul style="list-style-type: none"><li>Thesis Topic: <i>A Comparative Analysis on Computational Methods for Fitting an Exponential Random Graph Model to Biological Network Data</i></li><li>Supervisor: <b>Munni Begum</b>, Ph.D</li></ul> <b>University of Dhaka</b> , Dhaka, Bangladesh  M.S., <b>Statistics</b> , Feb 2010  B.Sc., <b>Statistics</b> , Aug 2008	
RESEARCH EXPERIENCE	<b>Research Assistant</b> <b>Princess Margaret Cancer Centre</b> , Toronto, Canada Supervisor: <b>Norman Boyd</b> , MD, DSc. <b>Practicum Student</b> <b>Public Health Ontario</b> , Toronto, Canada Supervisors: <b>Lennon Li</b> , Ph.D and <b>Erin Hobin</b> , Ph.D. <b>Student Analyst</b> <b>Cancer Care Ontario</b> , Toronto, Canada Supervisors: <b>Amy Liu</b> , Ph.D. <b>Practicum Student</b> <b>Centre for Addiction and Mental Health (CAMH)</b> , Toronto, Canada Supervisors: <b>Marcos Sanches</b> , M.Sc. <b>Research Assistant</b> Title: <b>Network motif identification and structure detection with graphical models</b> , Muncie, USA Supervisors: <b>Munni Begum</b> , Ph.D.	Jun 2018 to present    Oct 2016 to May 2017   Jul 2015 to Sept 2015   Oct 2014 to Apr 2015   May 2012 to Aug 2012
JOURNAL PUBLICATIONS	<ol style="list-style-type: none"><li><b>Saha, S.</b>, &amp; Begum, M. 2015. A Comparative Analysis on Computational Methods for Fitting an Exponential Random Graph Model (ERGM) to Biological Network Data. <i>Network Biology</i>, 5(1), 1-12.</li><li>Begum, M., Bagga, J., Blakey, A. &amp; <b>Saha, S.</b> 2014. Network motif identification and structure detection with graphical models. <i>Network Biology</i>, 14(4), 155-169.</li></ol>	

CONFERENCE  
PRESENTATIONS

1. **Saha, S.**, Liu, A., & Saarela, O.S. 2018. Causal Inference Methods for Secondary Analysis of Screening Trials. Statistical Society Canada 2018 Annual Meeting, McGill University, Montreal, Quebec, Canada.
2. **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.
3. **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.
4. 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.
5. **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.
6. **Saha, S.** 2010. Bivariate Exponential Distribution and Censoring. International Conference of Statistics, Dhaka University, Bangladesh.

SUBMITTED  
JOURNAL  
PUBLICATIONS

1. **Saha, S.**, Liu, A., and Saarela, O.S. Estimating case-fatality reduction from randomized screening trials, 2018. Submitted to *Epidemiologic Methods*.

STATISTICAL  
CONSULTANT

- Consultant – Oxford County Public Health Apr 2017 to Mar 2018
- Developed methodology for calculating quality indicators in several statistical software.
  - Illustrated the logic of using flowcharts (details are available [here](#)).

AWARDS

- Travel Awards
- Statistical Society Canada 2015 Annual Meeting, Halifax, Nova Scotia June 2015
  - Sweden-Bangladesh Travel Grant May 2012
- Academic Achievements
- University of Toronto Fellowship Sept 2015 to Aug 2020
  - Ball State Graduate Assistantship Aug 2011 to May 2013
  - Dr. Mir Masoom Ali Research Grant Oct 2012
  - Aspire Research Grant May 2012
- Student Awards – Ball State University
- Outstanding Teaching Assistant Award Apr 2012 & 2013

TEACHING  
EXPERIENCE

- Instructor – Ball State University Fall 2012 & Spring 2013
- MATH 125 - Mathematics and Its Applications
- Teaching Assistant – University of Toronto Fall 2014 to present
- Graduate courses:
- CHL5227H: Introduction to Statistical Methods for Clinical Trials
  - CHL5210H: Categorical Data Analysis

Undergraduate course:

- STAB22: Statistics I
- STAB23: Introduction to Statistics for the Social Sciences
- STAB52: Introduction to Probability
- STAC51: Categorical Data Analysis

VOLUNTARY  
ACTIVITIES

Organizer of Career Session, [Canadian Statistics Student Conference](#)

Jun 2018

- Contacted the career panelist
- Moderated the career session

Volunteer, [Biostatistics Research Day](#)

May 2015 & 2016

- Assisted the organizers with registration, hospitality, student poster presentation.