

## Sudipta Saha

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CONTACT INFORMATION	525-35 Bastion Street Toronto ON M5V0C2	+1-647-889-3504 sudip.saha@mail.utoronto.ca
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, Biostatistics, <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: Olli Saarela, Ph.D</li></ul> M.S., Biostatistics, Aug 2015 <b>Ball State University</b> , Muncie, IN  M.S., Mathematical Statistics, 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: Munni Begum, Ph.D</li></ul> <b>University of Dhaka</b> , Dhaka, Bangladesh  M.S., Statistics, Feb 2010  B.Sc., Statistics, Aug 2008	
RESEARCH EXPERIENCE	<b>Research Assistant</b> Princess Margaret Cancer Centre, Toronto, Canada Supervisor: Norman Boyd, MD, DSc. <b>Practicum Student</b> Public Health Ontario, Toronto, Canada Supervisors: Lennon Li, Ph.D and Erin Hobin, Ph.D. <b>Student Analyst</b> Cancer Care Ontario, Toronto, Canada Supervisors: Amy Liu, Ph.D. <b>Practicum Student</b> Centre for Addiction and Mental Health (CAMH), Toronto, Canada Supervisors: Marcos Sanches, M.Sc. <b>Research Assistant</b>	June 2018 to present    Oct 2016 to May 2017   July 2015 to Sept 2015   Oct 2014 to Apr 2015  May 2012 to Aug 2012 Title: Network motif identification and structure detection with graphical models, Muncie, USA Supervisors: Munni Begum, Ph.D.

JOURNAL  
PUBLICATIONS

1. **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.
2. 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

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 April 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 April 2012 & 2013

TEACHING EXPERIENCE	Instructor – Ball State University	Fall 2012 & Spring 2013
	<ul style="list-style-type: none"> <li>• MATH 125 - Mathematics and Its Applications</li> </ul>	
	Teaching Assistant – University of Toronto	Fall 2014– present
	Graduate courses:	
	<ul style="list-style-type: none"> <li>• CHL5227H: Introduction to Statistical Methods for Clinical Trials</li> <li>• CHL5210H: Categorical Data Analysis</li> </ul>	
	Undergraduate course:	
	<ul style="list-style-type: none"> <li>• STAB22: Statistics I</li> <li>• STAB23: Introduction to Statistics for the Social Sciences</li> <li>• STAB52: Introduction to Probability</li> <li>• STAC51: Categorical Data Analysis</li> </ul>	
VOLUNTARY ACTIVITIES	Organizer of Career Session, <a href="#">Canadian Statistics Student Conference</a>	June 2018
	<ul style="list-style-type: none"> <li>• Contacted the career panelist</li> <li>• Moderated the career session</li> </ul>	
	Volunteer, <a href="#">Biostatistics Research Day</a>	May 2015 & 2016
	<ul style="list-style-type: none"> <li>• Assisted the organizers with registration, hospitality, student poster presentation.</li> </ul>	