

Sudipta Saha

CONTACT INFORMATION	9 Sun Avenue Toronto ON M1R3T9	email: sudip.saha@mail.utoronto.ca website: https://sahasud1.github.io/
RESEARCH INTERESTS	Causal Inference, Survival Analysis, Predictive Modeling.	
EDUCATION	University of Toronto , Toronto, ON Ph.D. Candidate, Biostatistics, <i>Expected:</i> Aug 2020 <ul style="list-style-type: none">• Thesis Topic: <i>Causal Inference Methods for Secondary Analysis and Planning of Randomized Screening Trials</i>• Supervisor: Olli Saarela, Ph.D M.Sc., Biostatistics, Aug 2015 Ball State University , Muncie, IN M.Sc., Mathematical Statistics, May 2013 <ul style="list-style-type: none">• Thesis Topic: <i>A Comparative Analysis on Computational Methods for Fitting an Exponential Random Graph Model to Biological Network Data</i>• Supervisor: Munni Begum, Ph.D University of Dhaka , Dhaka, Bangladesh M.Sc., Statistics, Feb 2010 B.Sc., Statistics, Aug 2008	
STATISTICAL CONSULTANT	Consultant – Hannam Fertility Centre • Developing models/algorithm for optimal follicle stimulating hormone (FSH) level which will maximize the oocyte (no. of eggs) yield in patients undergoing In Vitro Fertilization (IVF). • Developing a R shiny application for illustration.	Oct 2018 to present
	Consultant – Oxford County Public Health • Developed methodology and codes for calculating quality indicators in several statistical software (e.g. R, SAS, SPSS, STATA). • Illustrated the logic of using flowcharts (details are available here).	Apr 2017 to Mar 2018
RESEARCH EXPERIENCE	Research Assistant Princess Margaret Cancer Centre , Toronto, Canada Supervisor: Norman Boyd , MD, DSc.	Jun 2018 to present
	Practicum Student Public Health Ontario , Toronto, Canada Supervisors: Lennon Li , Ph.D and Erin Hobin , Ph.D.	Oct 2016 to May 2017
	Student Analyst Cancer Care Ontario , Toronto, Canada Supervisors: Amy Liu , Ph.D.	Jul 2015 to Sept 2015
	Practicum Student Centre for Addiction and Mental Health (CAMH) , Toronto, Canada Supervisors: Marcos Sanches , M.Sc.	Oct 2014 to Apr 2015

Research Assistant

May 2012 to Aug 2012

Title: Network motif identification and structure detection with graphical models,
Ball State University, Muncie, USA

Supervisors: Munni Begum, Ph.D.

**JOURNAL
PUBLICATIONS**

1. **Saha, S.**, Liu, A., & Saarela, O.S. 2018. Estimating case-fatality reduction from randomized screening trials. *Epidemiologic Methods*, 7(1) . DOI: 10.1515/em-2018-0007
2. **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.
3. 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, Qubec, 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. Noelting J, Gramlich L, Whittaker S, Armstrong D, Marliss E, Jurewitsch B, Boudreault M, Raman M, Duerksen D, Lou Wendy, **Saha S** & Allard J (2018). Long-term survival of patients with short bowel syndrome receiving home parenteral nutrition: results from the Canadian national registry. Submitted to *Clinical Gastroenterology and Hepatology*.

**MANUSCRIPT
UNDER
PREPARATION**

1. Martin L, **Saha S**, Linton L, Taylor M, Zhu J, Chavez S, Stanisz G, Dunn S, Minkin S & Boyd N (2018). Association of diet and breast tissue composition at age 15-18. In preparation.

AWARDS
Travel Awards

- Statistical Society Canada 2015 Annual Meeting, Halifax, Nova Scotia June 2015
- Sweden-Bangladesh Travel Grant May 2012

	Academic Achievements	
	<ul style="list-style-type: none"> • University of Toronto Fellowship • Ball State Graduate Assistantship • Dr. Mir Masoom Ali Research Grant • Aspire Research Grant 	<p>Sept 2015 to Aug 2020 Aug 2011 to May 2013 Oct 2012 May 2012</p>
	Student Awards – Ball State University	
	<ul style="list-style-type: none"> • Outstanding Teaching Assistant Award 	Apr 2012 & 2013
TEACHING EXPERIENCE	Instructor – Ball State University	Fall 2012 & Spring 2013
	<ul style="list-style-type: none"> • MATH 125 - Mathematics and Its Applications 	
	Teaching Assistant – University of Toronto	Fall 2014 to present
	Graduate courses:	
	<ul style="list-style-type: none"> • CHL5227H: Introduction to Statistical Methods for Clinical Trials • CHL5210H: Categorical Data Analysis 	
	Undergraduate course:	
	<ul style="list-style-type: none"> • 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, 2019 Canadian Statistics Student Conference	May 2019
	<ul style="list-style-type: none"> • Contacting the career panelist 	
	Organizer of Career Session, 2018 Canadian Statistics Student Conference	Jun 2018
	<ul style="list-style-type: none"> • Contacted the career panelist • Moderated the career session 	
	Volunteer, Biostatistics Research Day	May 2015 & 2016
	<ul style="list-style-type: none"> • Assisted the organizers with registration, hospitality, student poster presentation. 	