

SUMMARY OF EXPERIENCE AND QUALIFICATIONS

I am a Behavioural Scientist working in government, and an Adjunct Professor in Epidemiology and Biostatistics at Western University. I have a proven track record of leading successful and well-funded research programs, utilizing advanced research methods, and communicating complex findings effectively to stakeholders. My leadership skills are exceptional, and I have a strong ability to manage projects, priorities, and stakeholder relationships.

WORK EXPERIENCE

Behavioural Science Fellow

Nov 2022 – Present

Impact and Innovation Unit, Privy Council Office

Toronto, ON

Behavioural Science Office, Public Health Agency of Canada

- Lead behavioural science research to inform policy development by identifying barriers and developing evidence-based solutions.
- Develop and lead the implementation of qualitative focus group interviews, quantitative nationwide surveys, and evaluation of new interventions or products.
- Develop and maintain close partnership with internal and external partners to develop and facilitate the implementation and delivery of nationwide surveys and services.
- Use advanced statistical modeling (R and SAS) to analyze user behaviour and evaluate the effectiveness of proposed solutions.
- Develop robust data management and collection systems optimizing the user experience while ensuring data security and compliance with privacy laws.
- Provide scientific expertise, strategic advice, and briefings to a wide range of stakeholders.

Adjunct Research Professor

May 2022 – Present

PhD Candidate Researcher

Sept 2016 – Apr 2021

Department of Epidemiology & Biostatistics, Western University

London, ON

- Received \$600,000 as principal investigator to lead and develop a research program focused on understanding and improving mental health problems in children.
- Conduced advanced statistical analyses and communicated findings, resulting in >50 scientific manuscripts.
- Recognized as an expert in the field with >15 awards/recognitions, 7 book chapter publications, >10 presentations in prestigious national and international conferences.
- Designed and maintained systems to facilitate research conduct, intervention delivery, and databases to maintain complex data structures.
- Teach graduate-level courses focused on health research methodology and biostatistics.
- Lead large team of researchers and students and provide mentorship and support.

Project Scientist

Mar 2021 – Nov 2022

Institute for Mental Health Policy Research, Centre for Addiction and Mental Health, Toronto, ON

- Identified and leveraged nationally representative epidemiologic data, health surveys, and mortality data resulting in 8 scientific publications directly informing public health policy.
- Designed and implemented the methodological and statistical approach used by an international team of researchers to quantify and explain mortality from a variety of causes.
- Identified potential areas for growth and opportunities, and initiated and led the development of grant applications that secured nearly \$300,000 in external funding.
- Appraised and synthesized relevant sources of information, conducted advanced statistical analyses, and presented results in scientific, technical, and lay-audience publications.
- Built strategic partnerships and provided leadership to international and multidisciplinary teams to effectively manage concurrent projects, deadlines, and priorities.
- Lead large team of researchers and students and provide mentorship and support.

Statistician

Jul 2018 – Aug 2021

Department of Medicine, Western University

London, ON

- Led the development of the department’s statistical support program, standard operating procedures, and trainee resources as the inaugural staff statistician.
- Provided scientific expertise and leadership on research methodology, including protocol development, execution of study procedures, data analysis, and communication of results.
- Analyzed and interpreted data using a wide variety of advanced statistical methods.
- Drafted scientific manuscripts and lay summaries to communicate study results.
- Clearly explained technical concepts and statistical results to a broad range of audiences.
- Provided leadership, trained new team members, and managed competing deadlines.

Methodology and Statistics Consultant

Jan 2017 – Dec 2017

Department of Epidemiology & Biostatistics, Western University

London, ON

- Assessed clients’ needs, developed study protocols, and conducted advanced data analysis.
- Provided scientific expertise and strategic advice to clients with a broad range of skillsets.
- Clearly explained and communicated technical concepts and statistical results.

Clinical Research Project Coordinator

Dec 2010 – Aug 2016

Department of Psychology, Hospital for Sick Children and University of Toronto

Toronto, ON

- Coordinated and managed a wide variety of clinical research studies.
- Conducted statistical analyses and developed the knowledge translation plans.

EDUCATION

<u>Degree</u>	<u>Discipline</u>	<u>Institution</u>	<u>Years</u>
PhD	Epidemiology and Biostatistics	Western University	2016 – 2021
HBSc	Psychology and Biology	University of Toronto	2009 – 2013