
Education

- 2019 - present **PhD, Statistics**, *Carnegie Mellon University*, Pittsburgh, PA.
- 2019 - 2020 **MS, Statistics**, *Carnegie Mellon University*, Pittsburgh, PA.
- 2013 - 2018 **BMath, Pure Math & Statistics**, *University of Waterloo*, Waterloo, ON.
With Distinction - Dean's Honours List

Publications

- I. Waudby-Smith, A. S. Pickard, F. Xie, and E. M. Pullenayegum. Using both time tradeoff and discrete choice experiments in valuing the EQ-5D: Impact of model misspecification on value sets. *Medical Decision Making*, 2020.
- I. Waudby-Smith and A. Ramdas. Confidence sequences for sampling without replacement. *NeurIPS*, 2020.
- I. Waudby-Smith, N. Tran, J. A. Dubin, and J. Lee. Sentiment in nursing notes as an indicator of out-of-hospital mortality in intensive care patients. *PloS one*, 13(6), 2018.

Teaching Experience

- Jan - May 2020 **Graduate Teaching Assistant**, *Carnegie Mellon University*, Pittsburgh, PA.
36-462: Data Mining
- Aug - Dec 2019 **Graduate Teaching Assistant**, *Carnegie Mellon University*, Pittsburgh, PA.
36-401: Modern Regression

Presentations

- Aug 2020 **Confidence sequences for sampling without replacement**, *Joint Statistical Meetings*, Remote due to COVID-19.
Poster presentation.
- Jun 2016 **Multi-state models for chronic kidney disease prevalence projections in Ontario**, *Statistical Society of Canada Annual Meeting*, St. Catharines, ON.
Poster presentation.

Experience

- June - Aug 2020 **Research Data Science Intern**, *Adobe Inc.*, Remote due to COVID-19.
Supervisors: Dr. David Arbour & Dr. Ritwik Sinha
◦ Nonparametric confidence sequences for causal effects (paper in progress).
- Apr - Aug 2019 **Research Student**, *The Hospital for Sick Children (SickKids)*, Toronto, ON.
Supervisor: Dr. Eleanor Pullenayegum
◦ Understanding model misspecification in quality-of-life surveys — [link to paper](#).
- 2016 - 2018 **Research Assistant**, *Health Data Science Lab, University of Waterloo*, Waterloo, ON.
Supervisors: Dr. Joel Dubin & Dr. Joon Lee
◦ Sentiment analysis and mortality in intensive care patients — [link to paper](#).
- Apr - Aug 2017 **Research Assistant**, *Department of Statistics, University of Waterloo*, Waterloo, ON.
Supervisor: Dr. Pengfei Li
◦ Robust statistical tests for zero-inflated data — [link to R package](#).
- Jan - Apr 2017 **Research Assistant**, *Department of Pure Mathematics, University of Waterloo*, Waterloo, ON, Canada.
Supervisor: Dr. Yu-Ru Liu
◦ Sieve methods in analytic number theory.
- Jan - Apr 2016 **Student Analyst - Strategic Analytics**, *Cancer Care Ontario*, Toronto, ON.
Supervisor: Dr. Zhihui (Amy) Liu
◦ Multi-state models for forecasting chronic kidney disease progression.

Computational Skills

Programming languages **R, Python, Haskell, C++**

Technologies **SQL, Linux, git, L^AT_EX**

Awards

- 2017 - 2018 **David Johnston International Experience Award**, *University of Waterloo*, Waterloo, ON.
- 2016 - 2017 **NSERC Undergraduate Student Research Award**, *The Natural Sciences and Engineering Research Council of Canada*.
- 2016 - 2017 **President's Research Award (1)**, *University of Waterloo*, Waterloo, ON.
- 2016 - 2017 **President's Research Award (2)**, *University of Waterloo*, Waterloo, ON.
- 2013 - 2014 **University of Waterloo President's Scholarship of Distinction**, *University of Waterloo*, Waterloo, ON.
- 2012 - 2013 **Top Ontario Scholar**, *Peel District School Board*, Region of Peel, ON.