



Lindsay Katz

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 <https://github.com/lindsaykatz>

Education

Masters of Science in Statistics, **University of Toronto**, 2022

Bachelor of Arts and Science, **University of Guelph**, 2020

- Specialization in Mathematical Science and International Development

Research Experience

Graduate Research Assistant, **University of Toronto**, present (*Professor Monica Alexander*)

- Working with data from Facebook's advertising platform to research demographic variation in short-term migration patterns across Canada and the US

Graduate Research Assistant, **University of Toronto**, present (*Professor Rohan Alexander*)

- Developing a new, comprehensive, publicly available database of all proceedings of the Australian parliamentary debates
- Building R scripts to parse XML versions of Hansard from 1901 to present

Undergraduate Research Assistant, **University of Guelph**, 2020 (*Professor Julie Horrocks*)

- Developed 14 packages of learning materials with complimentary exercises for a new fourth-year statistics course with data science applications
- Topics covered included web-scraping, data wrangling and visualization using Tidyverse, and programming fundamentals such as how to write loops and functions

Independent Research Study, **University of Guelph**, 2019 (*Professor Ryan Briggs*)

- Analyzed Afrobarometer survey data to investigate how identity factors interact to shape lived poverty in Africa, both over time and across countries
- Performed data cleaning, visualization, and regression analysis in R

- Co-produced research paper, "*An exploratory analysis of lived poverty in Africa*"
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Employment Experience

Consultant, *Overseas Development Institute* (2022)

- Designed and executed empirical analysis for ongoing research project on development superpowers
- Provided clear guidance and justification to authors throughout analysis

Statistics Tutor, *Tutors at Guelph* (2018-2019)

- Tutored students in introductory undergraduate statistics courses
 - Helped to improve students' academic confidence, understanding, and exam performance
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Presentations

Who are the poorest? An exploratory analysis of lived poverty in Africa, with Ryan Briggs

- 21 November 2019, African Studies Association Conference, Boston MA

Digitization of the Australian Parliamentary Debates (1901-2022), with Rohan Alexander

- 04 November 2022, Toronto Political Behaviour Workshop, University of Toronto
 - 18 November 2022, Toronto Data Workshop, University of Toronto
 - (*Upcoming*) 07 December 2022, Text Analysis Across Domains, UC Berkeley
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Volunteer Experience

Volunteer Coordinator - Combining Two Cultures Conference (2019)

- Planned and executed a two-day conference at the University of Guelph focused on the value of interdisciplinary education

Volunteer Notetaker - University of Guelph Student Accessibility Services (2019)

- Provided detailed lecture notes in introductory programming and upper-level statistics courses for students enrolled in Student Accessibility Services

Grants and Awards

Don Posterski Memorial Travel Grant (2019)
University of Guelph Dean's Honour List (2016-2020)
University of Guelph Entrance Scholarship (2016)
The York School Academic Excellence Award (2015-2016)
The York School Community Service Award (2015)
Duke of Edinburgh Bronze and Silver Awards (2014-2016)

Skills

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|----------------------------------|------------|
| - Academic writing | - LaTeX |
| - Data cleaning and wrangling | - Bookdown |
| - Data visualization | - R |
| - Exploratory data analysis | - C |
| - Bayesian analysis (using Stan) | - Python |