


Lindsay Katz

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EDUCATION

Masters of Statistics, <i>University of Toronto</i>	2022
Relevant courses: Mathematical Statistics I & II, Methods of Applied Statistics I & II, Categorical Data Analysis, Economic Applications of Machine Learning	Toronto, Canada
Bachelor of Arts and Sciences, <i>University of Guelph</i>	2020
Specialization in Mathematical Science and International Development	Guelph, Canada

RESEARCH EXPERIENCE

Graduate Research Assistant, <i>Dr. Monica Alexander</i>	present
<ul style="list-style-type: none">- Working with data from Facebook's advertising platform to research demographic variation in short-term migration patterns across Canada and the US- Performed data cleaning, visualization and analysis in R- Computed summary metrics using statistical tools to inform conceptual framework of findings- Created a Shiny App  to allow users to visually explore our data	University of Toronto
Graduate Research Assistant, <i>Dr. Rohan Alexander</i>	present
<ul style="list-style-type: none">- Developing a new, comprehensive, publicly available database of all proceedings of the Australian parliamentary debates- Built four R scripts to parse XML versions of Hansard from 1998 to 2022, each producing a tidy, complete CSV file for each sitting day which is usable for large-scale text analysis	University of Toronto
Undergraduate Research Assistant, <i>Dr. Julie Horrocks</i>	2020
<ul style="list-style-type: none">- 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	University of Guelph
Independent Research Study, <i>Dr. Ryan Briggs</i>	2020
<ul style="list-style-type: none">- 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, "<i>An exploratory analysis of lived poverty in Africa</i>"	University of Guelph

WORK EXPERIENCE

Developer, <i>Investigative Journalism Foundation</i>	present
<ul style="list-style-type: none">- Developing and implementing data validation tools for 8 databases using Python- Working with team of developers and reporters with the goal of improving database quality and consistency, in a way which can be applied to data being scraped in real time	
Statistical Consultant, <i>Overseas Development Institute</i>	2022
<ul style="list-style-type: none">- Designed, executed, and summarized empirical analysis for ongoing research project on development spending and state power- Performed data sourcing, cleaning, visualization, and correlation analysis- Provided clear guidance and support to authors throughout process	
Statistics Tutor, <i>Tutors at Guelph</i>	2019
<ul style="list-style-type: none">- Tutored students in introductory undergraduate statistics courses- Helped to improve students' academic confidence, understanding, and exam performance	

PRESENTATIONS

Digitization of the Australian Parliamentary Debates (1998-2022)

- 10 February 2023, Innovative Datasets for Research Workshop, University of Western Ontario
- 07 December 2022, Text Analysis Across Domains, UC Berkeley (invited, conference canceled due to strike)
- 18 November 2022, Toronto Data Workshop, University of Toronto
- 04 November 2022, Toronto Political Behaviour Workshop, University of Toronto (poster)

Measuring short-term mobility in North America using Facebook data

- 12 April 2023, Population Association of America Annual Meeting (upcoming, poster)

Reproducibility and Dataset Construction: Digitizing the Australian Hansard

- 23 February 2023, Workshop on Reproducibility, University of Toronto

Who are the poorest? An exploratory analysis of lived poverty in Africa

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

DATASETS

Katz, Lindsay, & Alexander, Rohan. (2022). A new, comprehensive database of all proceedings of the Australian Parliamentary Debates [Data set]. Zenodo. <https://doi.org/10.5281/zenodo.7336076>

VOLUNTEER EXPERIENCE

Master's Student Co-Representative, University of Toronto Graduate Students' Union 2022

- Served as a point of contact between all Master's students and the Graduate Student Union
- Organized the creation and distribution of departmental merchandise

Volunteer Coordinator - Combining Two Cultures Conference, University of Guelph 2019

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

Volunteer Note Taker, 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)
- Duke of Edinburgh Bronze and Silver Awards (2014-2016)

SKILLS

R | RMarkdown | LaTeX | Quarto | Tidyverse | Data visualization | Data cleaning | Github | R Shiny
Stan | Academic writing | Scientific Communication | Python