
MELANIE YIN



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HIGHLIGHTS OF QUALIFICATIONS

- MA Economics candidate at Queen's University
- Extensive economic research experience doing data cleaning and analysis in **Stata** and **R** to write reports for both academic and non-specialist audiences
- Interdisciplinary undergraduate background to understand, critically analyze, and communicate statistical and scientific results within their larger social contexts
- Strong knowledge of and interest in Canadian public policy issues
- Good interpersonal skills to work well with different personalities
- A strong writer to communicate clearly and effectively to a variety of audiences
- Fluent in English and French

WORK EXPERIENCE

Research Assistant - McMaster University Department of Economics January 2019- August 2020

- Cleaned and analyzed data using Stata to produce descriptive statistics and graphs as well as run more advanced econometric regression models
- Wrote reports and papers to highlight important insights, answer research questions, inform public policy discussion, and advance recommendations

An example of a specific research project:

- Cleaned and analyzed data from Hamilton Food Share (network of food banks in Hamilton) intake surveys and user statistics to explore relationships between food bank usage, homelessness, and health with the goals of:
 - Helping Hamilton Food Share better understand the needs of their client base
 - Aiding in creating evidence-based lobbying goals for the organization
- Investigated how the 2016 increase in the Canada Child Benefit impacted food bank usage and the spending of food bank users
- Worked with Statistics Canada 2016 Census data to compare low-income populations in Hamilton who do and do not use food banks
- Collaborated with external partner Hamilton Food Share to set research goals and engaged regularly with them to build a relationship of trust and respect

Teaching Assistant

Queen's University - ECON 280 Population and Economic Change

Sept 2020- Dec 2020

McMaster University

Jan 2018 – May 2020

ARTSCI 3A06 Literature, ECON 1BB3 Introduction to Macroeconomics, ARTSCI 1D06 Calculus

- Created and delivered tutorial classes to reinforce lecture material and went through examples of varying difficulties to keep students of different levels engaged
- Wrote quizzes to ensure fair and comprehensive assessment of the class materials

Course Developer – McMaster University

June - August 2020

ECON 774 Economic Policy Analysis II, ECON 4G03 Econometrics II, ARTSSCI 1D06 Calculus

- Designed and wrote programming-based assignments and solution sets to teach MA students both the theoretical and practical econometrics necessary for them to conduct data analysis
- Coached professors in use of educational tools for online learning to help them redesign courses for an online teaching experience

Summer Student - Ontario Ministry of the Attorney General

Assessment Review Board

May-Aug 2017 & 2018

- Created training manual for Caseworkers and Case Coordinators
- Answered phone and email inquiries in French and English to help Ontarians apply for an extension of time to receive a property reassessment, processed incoming applications

Student Scholar

MacPherson Institute, McMaster University

Sept 2016-Aug 2017

- In a team setting, performed qualitative research on teaching and learning
- Designed and facilitated focus group discussion; collected and analyzed qualitative data
- Wrote a research paper and presented findings at academic conferences on teaching and learning

Policy & Program Assistant

Ontario Ministry of Health (Emergency Services)

May-June 2016

- Performed data entry, validation, manipulation, and analysis with MS Excel to create graphs and write reports
 - To evaluate performance of ambulance dispatch centres and provide recommendations for the enhanced performance
 - To assist the management in decision-making of funding allocation to different municipalities
- Worked in a team to revise the curriculum for training Ontario ambulance dispatchers

AWARDS & ACCOMPLISHMENTS

- Canada Graduate Scholarship – Master’s (CGS-M) 2020
- The Laura Dodson Prize (Arts & Sciences) 2020
- The H.L. Hooker Scholarship (Economics) 2019
- Phillip F. Connell Scholarship (Economics) 2017-2018

VOLUNTEER AND COMMUNITY EXPERIENCE

Team Lead – Scarborough Food Security Initiative

April-August 2020

McMaster Outdoors Club Leader

Sept 2018-May 2019

VP Functions – Society of Arts and Science Students

Sept 2018-May 2019

Music Director – Arts and Sciences Musical

Sept 2016-May 2019

Student Health Education Centre Volunteer

Sept 2016-April 2017