

MATTHEW J. TUDBALL

CONTACT

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EDUCATION

Doctor of Philosophy (PhD), Statistical methods for selection bias in Mendelian randomisation studies (Wellcome Trust funded), MRC Integrative Epidemiology Unit, University of Bristol, 2018 - 2022

Master of Arts (Doctoral Stream), Economics, University of Toronto, 2016 - 2017

Honours Bachelor of Science, Joint Specialist in Economics and Mathematics (High Distinction), University of Toronto, 2011 - 2016

Selected Courses: PhD Econometrics I & II, Mathematical Statistics I & II, Statistical Computation

WORKING PAPERS

Long Time Out: Unemployment and Joblessness in Canada and the United States (2017) with Kory Kroft, Fabian Lange and Matt Notowidigdo [Revise and resubmit, *Journal of Labour Economics*]

WORK EXPERIENCE

Research Assistant Department of Economics Spring 2018 -
Toronto, ON

I am working with Professor Jonathan Beauchamp to apply machine learning methods for the identification of heterogeneous causal effects within the evaluation of educational reforms or other treatments. In particular, we will be exploring how causal effects vary over various polygenic scores for educational attainment.

Teaching Assistant Department of Economics Fall 2017
Toronto, ON

I was the TA for ECO375 (Applied Econometrics I) at the University of Toronto Mississauga and St. George campuses. My responsibilities included 6 hours of tutorials per week, which involved preparing my own lessons and in-class exercises. I also had 2 hours of office hours per week and was responsible for answering student emails, grading and invigilating tests and exams as needed.

Teaching Assistant Department of Economics Fall 2016
Toronto, ON

I was a teaching assistant for ECO375 (Applied Econometrics I). My responsibilities included running office hours, grading and preparing solutions to all tests and assignments and responding to student emails.

Research Assistant Department of Economics Spring 2016 - Spring 2017
Toronto, ON

I am a co-author with Professors Kory Kroft, Matt Notowidigdo and Fabian Lange on a paper related to long-term unemployment in the United States and Canada. My work involves writing Stata and Mata code to analyse US and Canadian labour market data using a structural model of labour market flows and job matching. As part of this paper I participated in the NBER conference *Public Policies in Canada and the United States*.

Research Assistant Department of Economics Fall 2015 - Spring 2016
Toronto, ON

I provided research assistance to Professors Lu Han and Kory Kroft at the University of Toronto. For Prof. Han I wrote Stata code to search for misspellings and link observations in a dataset of real estate transactions. For Prof. Kroft I wrote Stata and Mata code to replicate and extend to the beginning of 2016 the paper Kroft et al (2014).

Researcher ICP Summer 2015
Toronto, ON

I launched and completed an applied econometrics paper that analysed the effect of industry clusters on business size and innovation in Ontario in 2015. I also assisted with the ICP's other research and public outreach projects, including writing a blog that generated the most views of any ICP blog to date.

Research Assistant Department of Economics Fall 2014 - Spring 2015
Toronto, ON

I provided research assistance to Professor Gustavo Bobonis at the University of Toronto, continuing the work I performed under the University of Toronto Excellence Award.

Undergraduate Researcher Department of Economics Summer 2014
Toronto, ON

With funding from the University of Toronto Excellence Award, I worked with Professor Gustavo Bobonis to model how vote buying relationships can be maintained under reciprocal preferences, strategic voting and information asymmetry. This work was carried out to help explain the empirical findings in an experiment carried out by Prof. Bobonis in rural Brazil.

Local Registration Agent eHealth Ontario Summer 2012
Toronto, ON

I met with physicians to register them with the OneID system. I was responsible for making my own appointments and conducting face-to-face information sessions.

VOLUNTEER EXPERIENCE

Microfinance Coordinator Students for International Development Fall 2012 - Winter 2015
Toronto, ON

In the summer of 2013, I spent 3 months in Vihiga District, Kenya, assisting a local microfinance institution implement a non-profit health insurance product. I met with the district's governor, deputy governor, minister of health and other community leaders to align the product with the community's needs. I designed an actuarial pricing model based on local health and income data to ensure that the product would be financially self-sufficient. There are currently around 3,000 families enrolled in the service.

COMPUTER SKILLS

General programming: C++
Statistical programming: R and Stata / Mata
Typesetting: L^AT_EX
GIS software: QGIS

HONOURS AND AWARDS

Wellcome Trust 4-year PhD Studentship (2018)
University of Toronto Graduate Fellowship (2016)
Dr. James A. & Connie P. Dickson Scholarship in Science and Math (2016)
University of Toronto Excellence Award (2016)
Dean's List (2011 - 2016)
University of Toronto Excellence Award (2014)
University of Toronto In-Course Scholarship (2014)
Mary Keenan Award in Economics (2013)