

# Matthew D. Webb

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## Current Position

Associate Professor, Department of Economics, Carleton University 2021-present

## Previous Positions

Assistant Professor, Department of Economics, Carleton University 2015-2021

Parental Leaves: Winter 2019, Winter 2021

Eyes High Postdoctoral Scholar, Department of Economics, University of Calgary 2013-2015

Supervisor: M. Scott Taylor

## Education

Ph.D., Economics, Queen's University 2013

Thesis Title: "Econometric Analysis of Labour Market Interventions"

Supervisors: Steven F. Lehrer, James G. MacKinnon

M.A. Business Economics, Wilfrid Laurier University 2007

B.A. Honours Economics, Wilfrid Laurier University 2006

## Research Interests

Applied Microeconometrics, Economics of Education, and Labour Economics.

## Grants and Awards

SSHRC - Insight Grant (PI) \$88,750 2021-2025

Carleton University - Faculty of Public Affairs, Covid Productivity Grant \$5,000 2021

CIHR - Project Grant (Investigator), \$371,971 2021-2024

my allocation, approx \$80,000

Carleton University - Faculty of Public Affairs, Research Internship Award \$10,500 2020

Carleton University Research Achievement Award, \$15,000 2019

Productivity Partnership (co-PI), \$15,000 2018

SSHRC - Insight Grant (PI), \$91,380 2016-2020

SSHRC - Insight Development Grant (PI), \$47,436 2014-2016

Educational Policy Research Initiative (co-PI), \$5,000 2013

## Economics Publications

- (12) “*Reworking Wild Bootstrap Based Inference for Clustered Errors*”  
Accepted at *Canadian Journal of Economics*
- (11) “*Cluster-Robust Inference: A Guide to Empirical Practice*”  
with James G. MacKinnon and Morten Ørregaard Nielsen  
Forthcoming at *Journal of Econometrics*
- (10) “*Clustering Methods for Statistical Inference*”  
with James G. MacKinnon  
*Handbook of Labor, Human Resources and Population Economics*  
Working paper version: “*When and How to Deal With Clustered Errors in Regression Models*”
- (9) “*Bootstrap and Asymptotic Inference with Multiway Clustering*”  
with James G. MacKinnon and Morten Ørregaard Nielsen  
*Journal of Business and Economics Statistics* - 39(2) pp. 505-519
- (8) “*Randomization Inference for Difference-in-Differences with Few Treated Clusters*”  
with James G. MacKinnon  
*Journal of Econometrics* - 218(2) pp. 435–450
- (7) “*A Simple, Graphical Procedure for Comparing Multiple Treatment Effects*”  
with Brennan Thompson  
*The Econometrics Journal* - 22(2) pp. 188–205, 2019
- (6) “*Fast and Wild: Bootstrap Inference in Stata Using boottest*”  
with David Roodman, James G. MacKinnon, and Morten Ørregaard Nielsen  
*Stata Journal* - 19(1) pp. 4–60, 2019
- (5) “*Wild Bootstrap Randomization Inference for Few Treated Clusters*”  
with James G. MacKinnon  
*Advances in Econometrics* vol. 39 - *The Econometric of Complex Survey Data* pp. 61–85, 2019
- (4) “*Immigrant Category of Admission of the Parents and Outcomes of the Children: How far does the Apple Fall?*”  
with Casey Warman and Chris Worswick  
*Journal of Population Economics* - 32(1) pp. 53–112, 2019
- (3) “*The Wild Bootstrap for Few (Treated) Clusters*”  
with James G. MacKinnon  
*The Econometrics Journal* - 21(2) pp. 114–135, 2018
- (2) “*Wild Bootstrap Inference for Wildly Different Cluster Sizes,*”  
with James G. MacKinnon  
*Journal of Applied Econometrics* 32(2) pp. 233–254, 2017
- (1) “*Targeting Tax Relief at Youth Employment,*”

with Arthur Sweetman and Casey Warman  
*Canadian Public Policy* 42(4) pp. 415–430, 2016

## Non-Economics Publications

(3) "Impact of a peer comparison intervention on seasonal influenza vaccine uptake in community pharmacy: a national cluster randomized study"

Authors: Matthew M. Loiacono, Christopher B. Nelson, Paul Grootendorst, **Matthew D Webb**, Laura Lee Hall, Jeffrey C. Kwong, Nicholas Mitsakakis, Stacy Zulueta, Ayman Chit

*Journal of the American Pharmacists Association* - 61(5) pp. 539-546, 2021

(2) "Randomization Inference for Accounting Researchers"

with Roger White

*Journal of Financial Reporting* - 6(2) pp. 129-141, 2021

(1) "Pitfalls when Estimating Treatment Effects Using Clustered Data"

with James G. MacKinnon

*The Political Methodologist* - 24(2) pp. 20–31, 2017

## Papers Under Revision or Review

"Fast and Reliable Jackknife and Bootstrap Methods for Cluster-Robust Inference"

with James G. MacKinnon and Morten Ørregaard Nielsen

Revisions Requested at *Journal of Applied Econometrics*

"Leverage, Influence, and the Jackknife in Clustered Regression Models: Reliable Inference Using *summcust*"

with James G. MacKinnon and Morten Ørregaard Nielsen

Revisions Requested at *Stata Journal*

"Testing for the Appropriate Level of Clustering in Linear Regression Models "

with James G. MacKinnon and Morten Ørregaard Nielsen

Resubmitted at *Journal of Econometrics*

"Finish It and It's Free: An Evaluation of College Graduation Subsidies"

with Derek Mikola

previously titled "On the Effectiveness of Graduate Retention Programs"

Resubmitted at *Economics of Education Review*

## Research Papers

"Gun Licenses, Restricted Firearms, Deaths and Crime: Results from Administrative Data in Canada"

with Derek Mikola

"An Experimental Test of the No Safety Schools Theorem"

with David B. Johnson

previously titled "One Sided Matching: Choice Selection With Rival Uncertain Outcomes,"

## Teaching Experience

### Graduate

Microeconometrics (Econ 5712), <b>Carleton University</b>	<i>in progress</i>
Special Topics - Economic Data Science (Econ 5880), <b>Carleton University</b>	(1)
Econometrics I (Econ 5027) [Master's], <b>Carleton University</b>	(5)
Labour Economics II (Econ 5362) [PhD; co-taught], <b>Carleton University</b>	(2)

### Undergraduate

Honours Capstone Seminar (Econ 4905), <b>Carleton University</b>	(1)
Statistical Analysis in Economics (Econ 4002), <b>Carleton University</b>	(4)
Statistical Methods in Economics and Business I (Econ 2201), <b>Carleton University</b>	(4)
Economics of the Environment (ECE 444), <b>Royal Military College</b>	(1)
Introduction to Microeconomics (EC 120), <b>Wilfrid Laurier University</b>	(1)

## Professional Activities

### Invited Seminars and Talks

<b>2022:</b> York University, Toronto (virtual); University of Toronto, Toronto
<b>2021:</b> The 2021 Stata Economics Virtual Symposium, (virtual); Lakehead University, Thunder Bay
<b>2020:</b> Université de Montréal, Montreal (virtual)
<b>2019:</b> McMaster University, Hamilton
<b>2018:</b> Canadian Mortgage and Housing Corporation (CMHC), Ottawa
<b>2017:</b> Vancouver School of Economics (UBC), Vancouver
<b>2016:</b> McMaster University, Hamilton; Dalhousie University, Halifax; NYU-Shanghai, Shanghai, China; Lakehead University, Thunder Bay; University of Ottawa, Ottawa
<b>2015:</b> Queen's University, Kingston; Carleton University, Ottawa; Department of Finance, Ottawa
<b>2014:</b> Bank of Canada, Ottawa; Ryerson University, Toronto ; Wilfrid Laurier University, Waterloo ; Université du Québec à Montréal, Montreal
<b>2013:</b> <i>Are You Sure That is the Right Answer? Robust Inference and Policy Evaluation</i> , Programme Evaluation for Policy Analysis (PEPA), London, England

### Conference Presentations

#### *“Leverage, Influence, and the Jackknife in Clustered Regression Models: Reliable Inference Using summclust”*

Atlantic Canada Economics Association, Halifax	2022
Canadian Economics Association, Ottawa	2022

#### *“Testing for the Appropriate Level of Clustering in Linear Regression Models”*

APPAM Fall Research Conference (2021-delayed), Austin	2022
Canadian Econometrics Study Group, Vancouver	2021
Western Economics Association International, Honolulu (virtual)	2021

Southern Economics Association, New Orleans (virtual)	2020
FPA Research Series, Economic Insights, Ottawa	2020
Canadian Economics Association, Montreal	2018
<b><i>“When and How to Deal With Clustered Errors in Regression Models ”</i></b>	
Western Economics Association International, San Francisco	2019
Canadian Economics Association, Banff	2019
CIREQ:Recent Advances in Bootstrap Methods, Montreal (P)	2019
<b><i>“Fast and wild: Bootstrap inference in Stata using boottest ”</i></b>	
Stata Users Group Meeting, Vancouver	2018
<b><i>“Wild Bootstrap Randomization Inference for Few Treated Clusters”</i></b>	
Camp Econometrics, Bolton Landing (P), NY	2018
The Econometrics of Complex Survey Data, Ottawa	2017
<b><i>“Bootstrap and Asymptotic Inference with Multiway Clustering”</i></b>	
Joint Statistical Meeting, Vancouver	2018
International Association for Applied Econometrics, Montreal	2018
North American Summer Meeting of the Econometric Society, Davis, CA	2018
Southern Economics Association, Tampa	2017
Canadian Econometrics Study Group, Toronto	2017
Stata Users Group Meeting (P), Ottawa	2017
Canadian Economics Association, Antigonish, NS	2017
<b><i>“The Subcluster Wild Bootstrap for Few (Treated) Clusters”</i></b>	
European Meeting of the Econometric Society, Lisbon, Portugal	2017
International Association of Applied Econometrics, Sapporo, Japan	2017
Society of Labour Economics, Raleigh, NC	2017
Camp Econometrics (P), Lake Placid , NY	2017
Southern Economics Association Conference, Washington D.C.	2016
Atlantic Canada Economics Association Conference, Sackville, NB	2016
Canadian Econometrics Study Group, London, ON	2016
Calgary Empirical Microeconomics Workshop (P), Banff	2016
<b><i>“One Sided Matching: Choice Selection With Rival Uncertain Outcomes”</i></b>	
Atlantic Canada Economics Association, Antigonish, NS	2017
American Economics Association Annual Meeting (P), Chicago	2017
Western Economics Association, Portland	2016

***“Randomization Inference for Difference-in-Differences with Few Treated Clusters”***

International Association for Applied Econometrics, Milan, Italy	2016
Society of Labor Economists (P), Seattle	2016

***“Finish It and It’s Free: An Evaluation of College Graduation Subsidies”***

International Workshop on Applied Economics of Education, Catanzaro, Italy	2016
Canadian Public Economics Group, Kelowna	2015
World Congress of the Econometric Society, Montreal	2015
Society of Labor Economists, Montreal	2015
Canadian Economics Association Meeting, Toronto	2015
Southern Economics Association Conference, Atlanta	2014
Atlantic Canada Economics Association Conference, Truro, NS	2014

***“A Simple, Graphical Procedure for Comparing Multiple Treatment Effects”***

Stata Users Group Meeting, Ottawa	2017
Joint Statistical Meetings, Chicago	2016
Canadian Economics Association Meeting, Ottawa	2016
Southern Economic Association Conference, New Orleans	2015
Canadian Econometrics Study Group (P), Guelph, ON	2015
Calgary Empirical Microeconomics Workshop, Banff	2015
Camp Econometrics, Bolton Landing (P), NY	2015
Calgary Empirical Microeconomics Workshop, Banff	2014

***“Proceed with Reckless Abandon: The Unintended Consequences of Expanding Higher Education Enrollment”***

Canadian Economics Association Meeting, Vancouver	2014
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***“Wild Bootstrap Inference for Wildly Different Cluster Sizes”***

ZEW Applied Econometrics Summer Workshop, Mannheim, Germany	2014
Midwest Econometrics Group, Bloomington, IN	2013
Canadian Econometric Study Group, Kitchener, ON	2013
Doctoral Workshop in Applied Econometrics, Ryerson University, Toronto	2013
Camp Econometrics, Bolton Landing (P), NY	2013

***“On the Effectiveness of Graduate Retention Programs”***

Canadian Economics Association Meeting, Montreal	2013
Atlantic Canada Economics Association Conference, Halifax	2012

***“Reworking Wild Bootstrap Based Inference for Clustered Errors”***

Canadian Econometric Study Group Annual Meeting (P), Kingston	2012
Canadian Economics Association Meeting, Calgary	2012

CIREQ Student Conference, Montreal	2012
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***“How Targeted is Targeted Tax Relief? Evidence from the Unemployment Insurance Youth Hires Program”***

Canadian Economics Association Meeting, Ottawa	2011
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**(P)- Poster Presentation**

**Conference Discussions**

16th Defence and Security Economics Workshop, Ottawa	2021
Western Economics Association Meeting, Honolulu (virtual)	2021
Canadian Econometrics Study Group, Montreal	2019
Western Economics Association Meeting, San Francisco	2019
Doctoral Workshop in Applied Econometrics (2), Toronto	2019
Doctoral Workshop in Applied Econometrics, Toronto	2018
Southern Economics Association Conference, Tampa	2017
12th Defence and Security Economics Workshop, Ottawa	2017
The Econometrics of Complex Survey Data, Ottawa	2017
Canadian Economics Association, Antigonish, NS (2)	2017
Canadian Health Economics Study Group, Halifax, NS	2017
Doctoral Workshop in Applied Econometrics, Ottawa (2)	2017
Southern Economics Association Conference, Washington D.C.	2016
11th Defence and Security Economics Workshop, Ottawa	2016
Western Economics Association Meeting, Portland (2)	2016
Canadian Economics Association Meeting, Ottawa	2016
Southern Economics Association Conference, New Orleans	2015
10th Defence and Security Economics Workshop, Ottawa	2015
Canadian Economics Association Meeting, Toronto (2)	2015
Southern Economics Association Conference, Atlanta (2)	2014
Canadian Economics Association Meeting, Vancouver (2)	2014
Doctoral Workshop in Applied Econometrics, Toronto	2014
Canadian Economics Association Meeting, Montreal (2)	2013
Atlantic Canada Economics Association, Halifax	2013
Canadian Economics Association Meeting, Calgary	2012

**Referee**

*Advances in Econometrics* vol. 39, *Canadian Journal of Economics* (2), *Canadian Public Policy* (4), *Computational Statistics and Data Analysis* (2), *Defence and Peace Economics* (3), *Economics Bulletin*, *Economics of Education Review*, *Econometric Reviews*, *Frontiers in Psychology*, *Journal of the American Statistical Association*, *Journal of Applied Econometrics* (3), *Journal of Business and Economic Statistics*, *Journal of Econometrics*, *Journal of Testing and Evaluation*, *Quantitative Economics*, *Review of Economics and Statistics*, *Southern Economic Journal*

## Conference Organization

Western Economics Association Meeting, Portland	2022
Program Committee Member - Econometrics.	
North American Summer Meeting of the Econometric Society, Montreal.	2021
Program Committee Member - Econometrics.	
Doctoral Workshop in Applied Econometrics, co-organizer	2017-2019
2019 Canadian Stata Conference, chair	2019
Canadian Econometric Study Group (#35) , co-organizer	2018
Canadian Econometric Study Group at Canadian Economics Association Meetings	2018
Canadian Public Economics Group Meeting - program committee	2017
Canadian Public Economics Group at Canadian Economics Association Meetings	2016
University of Calgary - Empirical Microeconomics Conference, organizing committee	2014- 2016

## Affiliations

Organizer, *Ottawa Applied Microeconomics Lab*  
Research Fellow, *Education Policy Research Initiative*  
Fellow, *Global Labor Organization (GLO)*

## Student Supervision and Examination

### Current Doctoral Students

Debora Loccisano [Carleton] (Committee Member)	2022 -
Derek Mikola [Carleton] (co-supervisor)	2019 -
First Placement: Postdoc - University of New Brunswick	
Lyming Huang [Carleton] (co-supervisor)	2017 -

### Previous Doctoral Students

Florian Richard [Carleton] (Committee Member)	2020 - 2022
First Placement: Assistant Professor - Laval University	
Haowei Tang [Carleton] (Committee Member)	2020 - 2022
Lamis Kattan [UofO] (Committee Member)	2019 - 2022
First Placement: Assistant Professor - Georgetown University - Qatar	
Michelle Laing [Carleton] (Committee Member)	2018 - 2021
First Placement: Research Analyst - Employment and Social Development Canada (ESDC)	
Joanne Haddad [UofO] (Committee Member)	2018 - 2020
First Placement: Postdoc - European Centre for Advanced Research in Economics and Statistics	
Nikolai Cook [UofO] (Committee Member)	2018 - 2020
First Placement: Assistant Professor - Wilfrid Laurier University	
Marie Christelle Mabeu [UofO] (Committee Member)	2018 - 2020
First Placement: Postdoc - Stanford University	



Peerapat (Tup) Tandavanitj [UofO] (Committee Member)	2017 - 2019
First Placement: Economist, Government of Thailand	
Mingying Zhu [UofO] (Committee Member)	2017 - 2019
First Placement: Assistant Professor, Nanjing University	
Abdallah Zalgout [Carleton] (Committee Member)	2016 -2019
First Placement: Assistant Professor, MacEwan University	

### Master's students

Morgan Nordstrom [Carleton - Geography] (Committee Member)	2021 - 2022
Adam Gadawski (Board Member)	2017
Joshua Brault (Board Member)	2016

### Undergraduate

Oluwaseyi (Shay) Ishola	2018 - 2019
Joshua Roxborough (Carleton Undergraduate Research Opportunity)	2017

### Research Assistants

Jonah Sider-Echenberg, B-Econ Student,	2022/01 -
Sunny Karim, PhD Student	2021/09 -
Tonghui Tian, PhD Student	2021/09 - 2022/08
Tahreen Zahra, MA Student	2020/05 - 2020/08
Derek Mikola, Phd Student	2018/05 - 2022/06
Mehtab Hanzroh, MA Student	2019/03 - 2019/08
First placement: Ph.D. Student at Queen's University.	
Oladapo Odumosu, MA Student,	2017/08 - 2017/12
First placement: Economist at Environment Canada.	
Joshua Roxborough , BA Student	2017/07 - 2018/08
First placement: MA student at Queen's University.	
Scott McNeil, MA Student	2016/02 - 2017/08
First placement: Data Scientist at Shopify.	
Chris Cheng, MA Student	2015/11 - 2017/11
First placement: Data Coordinator at FLIR systems.	

### Service

#### Carleton University

Research Achievement Award 2020 Selection Committee	2019
COOL RDC Management Committee	2017-2020
Carleton University Representative	

## Faculty of Public Affairs

<i>Indigenous Hiring Committee</i>	2019
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## Department of Economics

<i>PhD Committee</i>	2022-2023
<i>Adhoc Hiring Committee</i>	2020
<i>Econometrics Hiring Committee</i>	2019
<i>Empirical Microeconomics Hiring Committee</i>	2018
<i>Labour Economics Comprehensive Exam Committee</i>	2018, 2019
<i>Tenure and Promotion Committee Member</i>	2017-2018, 2022-2023
<i>Undergraduate Committee Member</i>	2016-2019

## Non Academic Jobs

<b>General Electric Commercial Equipment Financing</b> , Montreal, Quebec	2005
<i>Co-op Quality Analyst</i>	
<b>JCClark Ltd.</b> , Toronto, Ontario	2004
<i>Co-op Equity Research Analyst</i>	

## Other Details

**Citizenship:** Canadian      **Birth Year:** 1983      **References:** Upon Request

Last updated: January 9, 2023