

Matthew D. Webb

Department of Economics
Carleton University
1125 Colonel By Drive
Ottawa, ON, K1S 5B6
CANADA

Phone: (613) 520-3744
Fax: (613) 520-3906
Email: matt.webb@carleton.ca
<https://sites.google.com/site/matthewdwebb/>

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
John Deutsch Institute Doctoral Stipend 2012

Economics Publications

- (11) “Cluster-Robust Inference: A Guide to Empirical Practice ”
with James G. MacKinnon and Morten Ørregaard Nielsen
Accepted 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

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

with James G. MacKinnon and Morten Ørregaard Nielsen

Revisions Requested at *Journal of Econometrics*

"Reworking Wild Bootstrap Based Inference for Clustered Errors"

Second round revise and resubmit at *Canadian Journal of Economics*

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

previously titled "On the Effectiveness of Graduate Retention Programs"

Revisions requested at *Economics of Education Review*

Research Papers

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

with James G. MacKinnon and Morten Ørregaard Nielsen

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

with James G. MacKinnon and Morten Ørregaard Nielsen

"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

Special Topics - Economic Data Science (Econ 5880), **Carleton University** (1)

Econometrics I (Econ 5027) [Master's], **Carleton University** (5)

Labour Economics II (Econ 5362) [PhD; co-taught], **Carleton University** (2)

Undergraduate

Statistical Analysis in Economics (Econ 4002), Carleton University	(3)
Statistical Methods in Economics and Business I (Econ 2201), Carleton University	(4)
Economics of the Environment (ECE 444), Royal Military College	(1)
Introduction to Microeconomics (EC 120), Wilfrid Laurier University	(1)

Professional Activities

Invited Seminars

2022: York University, Toronto
2021: Lakehead University, Thunder Bay
2020: Université de Montréal, Montreal (virtual)
2019: McMaster University, Hamilton
2018: Canadian Mortgage and Housing Corporation (CMHC), Ottawa
2017: Vancouver School of Economics (UBC), Vancouver
2016: McMaster University, Hamilton; Dalhousie University, Halifax; NYU-Shanghai, Shanghai, China; Lakehead University, Thunder Bay; University of Ottawa, Ottawa
2015: Queen's University, Kingston; Carleton University, Ottawa; Department of Finance, Ottawa
2014: Bank of Canada, Ottawa; Ryerson University, Toronto ; Wilfrid Laurier University, Waterloo ; Université du Québec à Montréal, Montreal
2013: <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

<i>“Leverage, Influence, and the Jackknife in Clustered Regression Models: Reliable Inference Using <code>summclust</code>”</i>		
Western Economics Association International, Portland		<i>forthcoming</i>
Canadian Economics Association, Ottawa		<i>forthcoming</i>
<i>“Cluster-Robust Inference: A Guide to Empirical Practice”</i>		
The 2021 Stata Economics Virtual Symposium: Time Series (virtual)		2021
<i>“Testing for the Appropriate Level of Clustering in Linear Regression Models”</i>		
APPAM Fall Research Conference (delayed 2021), 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
<i>“When and How to Deal With Clustered Errors in Regression Models ”</i>		
Western Economics Association International, San Francisco		2019

Canadian Economics Association, Banff	2019
CIREQ:Recent Advances in Bootstrap Methods, Montreal (P)	2019
<i>“Fast and wild: Bootstrap inference in Stata using boottest ”</i>	
Stata Users Group Meeting, Vancouver	2018
<i>“Wild Bootstrap Randomization Inference for Few Treated Clusters”</i>	
Camp Econometrics, Bolton Landing (P), NY	2018
The Econometrics of Complex Survey Data, Ottawa	2017
<i>“Bootstrap and Asymptotic Inference with Multiway Clustering”</i>	
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
<i>“The Subcluster Wild Bootstrap for Few (Treated) Clusters”</i>	
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
<i>“One Sided Matching: Choice Selection With Rival Uncertain Outcomes”</i>	
Atlantic Canada Economics Association, Antigonish, NS	2017
American Economics Association Annual Meeting (P), Chicago	2017
Western Economics Association, Portland	2016
<i>“Randomization Inference for Difference-in-Differences with Few Treated Clusters”</i>	
International Association for Applied Econometrics, Milan, Italy	2016
Society of Labor Economists (P), Seattle	2016
<i>“Finish It and It’s Free: An Evaluation of College Graduation Subsidies”</i>	
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
<i>“A Simple, Graphical Procedure for Comparing Multiple Treatment Effects”</i>	
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
<i>“Proceed with Reckless Abandon: The Unintended Consequences of Expanding Higher Education Enrollment”</i>	
Canadian Economics Association Meeting, Vancouver	2014
<i>“Wild Bootstrap Inference for Wildly Different Cluster Sizes”</i>	
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
<i>“On the Effectiveness of Graduate Retention Programs”</i>	
Canadian Economics Association Meeting, Montreal	2013
Atlantic Canada Economics Association Conference, Halifax	2012
<i>“Reworking Wild Bootstrap Based Inference for Clustered Errors”</i>	
Canadian Econometric Study Group Annual Meeting (P), Kingston	2012
Canadian Economics Association Meeting, Calgary	2012
CIREQ Student Conference, Montreal	2012
<i>“How Targeted is Targeted Tax Relief? Evidence from the Unemployment Insurance Youth Hires Program”</i>	
Canadian Economics Association Meeting, Ottawa	2011
(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*

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, 2015, 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

Haowei Tang [Carleton] (Committee Member)	2020 -
Florian Richard [Carleton] (Committee Member)	2020 -
First Placement: Assistant Professor - Laval University	
Derek Mikola [Carleton] (co-supervisor)	2019 -
Lamis Kattan [UofO] (Committee Member)	2019 -
Lyming Huang [Carleton] (co-supervisor)	2017 -

Previous Doctoral Students

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 -
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

Sunny Karim, PhD Student	2021/09 -
Tonghui Tian, PhD Student	2021/09 -
Tahreen Zahra, MA Student	2020/05- 2020/08
Derek Mikola, Phd Student	2018/05 -
Mehtab Hanzroh, MA Student	2019/3 - 2019/8
First placement: Ph.D. Student at Queen's University.	
Oladapo Odumosu, MA Student,	2017/8 - 2017/12
First placement: Economist at Environment Canada.	
Joshua Roxborough , BA Student	2017/7 - 2018/08
First placement: MA student at Queen's University.	
Scott McNeil, MA Student	2016/02 - 2017/8
First placement: Data Scientist at Shopify.	
Chris Cheng, MA Student	2015/11 - 2017/11
First placement: Data Coordinator at FLIR systems.	

Service

Carleton University

<i>Research Achievement Award 2020 Selection Committee</i>	2019
<i>COOL RDC Management Committee</i>	2017-2020
Carleton University Representative	

Faculty of Public Affairs

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

<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
<i>Undergraduate Committee Member</i>	2016-2019

Non Academic Jobs

GE Commercial Equipment Financing, Montreal, Quebec	2005
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Co-op Quality Analyst
JCClark Ltd., Toronto, Ontario
Co-op Equity Research Analyst

2004

Other Details

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

Last updated: April 19, 2022