# Matthew D. Webb

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https://sites.google.com/site/matthewdwebb/

twitter: @mattdwebb

Github: https://github.com/mattdwebb

### **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

## **Editorial Positions**

Guest Editor, Special Issue in Honour of James MacKinnon, Canadian Journal of Economics

2025-present

## **Research Interests**

Applied Microeconometrics, Empirical Microeconomics.

## Grants and Awards

my allocation, approx. \$80,000

SSHRC - Connection Grant (PI) \$25,000	2025-2027
SSHRC - Insight Grant (PI) \$94,250	2025-2028
National Research Council - Research Contract (co-PI) \$91,638	2024-2026
SSHRC - Insight Grant (PI) \$88,750	2021-2025
Carleton University - Faculty of Public Affairs, Covid Productivity Grant \$5,000	2021
CIHR - Project Grant (Co-Investigator), \$371,971	2021-2024

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
E.G. Bauman Fellowship	2008-2009

## **Economics Publications**

(19) "An Experimental Test of the No Safety Schools Theorem" with David B. Johnson

Accepted at Journal of the Economic Science Association

(18) "A Comment on 'Delivering Remote Learning Using a Low-Tech Solution: Evidence from a Randomized Controlled Trial in Bangladesh' "

Authors: Lenka Fiala, Jack Fitzgerald, Essi Kujansuu, Derek Mikola, David Valenta, Juan P. Aparicio, Michael Wiebe, **Matthew D. Webb**, Abel Brodeur

Conditionally Accepted at Journal of Political Economy - Micro

(17) "Cluster-robust jackknife and bootstrap inference for binary response models"

with James G. MacKinnon and Morten Ørregaard Nielsen

Accepted at Econometric Reviews

(16) "Leverage, Influence, and the Jackknife in Clustered Regression Models: Reliable Inference Using summclust" with James G. MacKinnon and Morten Ørregaard Nielsen

Stata Journal - 23(4) pp. 942-982, 2023

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

with James G. MacKinnon and Morten Ørregaard Nielsen

Journal of Econometrics - 235, 2027-2056, 2023

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

with James G. MacKinnon and Morten Ørregaard Nielsen

Journal of Applied Econometrics 38(5) pp. 671-694, 2023

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

with Derek Mikola

Economics of Education Review - 93, 102355, 2023

(12) "Reworking Wild Bootstrap Based Inference for Clustered Errors"

Canadian Journal of Economics - 56(3), pp. 839-858, 2023

(11) "Cluster-Robust Inference: A Guide to Empirical Practice"

with James G. MacKinnon and Morten Ørregaard Nielsen

Journal of Econometrics - 232(7) pp.272-299, 2023

(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

"The Many Misspellings of Albuquerque: A Comment on 'Sorting or Steering: The Effects of Housing Discrimination on Neighborhood Choice'"

with Shi Chen, Areez Gangji, Sunny Karim, and Anthony McCanny

Second Round of Revisions Requested at Journal of Political Economy

# **Research Papers**

"Good Controls Gone Bad: Difference-in-Differences with Covariates"

with Sunny Karim

"Jackknife Inference with Two-Way Clustering"

with James G. MacKinnon and Morten Ørregaard Nielsen

"Using Images as Covariates: Measuring Curb Appeal with Deep Learning"

with Ardyn Nordstrom and Morgan Nordstrom

"Difference-in-Differences with Unpoolable Data"

with Sunny Karim, Nicole Austin, and Erin Strumpf

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

with Derek Mikola

# **Software Packages**

twoway jack - two-way jackknife cluster robust inference with linear models

https://github.com/mattdwebb/twowayjack

logitjack - jackknife cluster robust inference with logit models

https://github.com/mattdwebb/logitjack

summclust - jackknife cluster robust inference with linear models

https://github.com/mattdwebb/summclust

mnwsvt - a test for the level of clustering

https://github.com/mattdwebb/mnwsvt

# **Teaching Experience**

#### Graduate

Microeconometrics (Econ 5712), Carleton University

(3)

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)
Undowayadaata	
Undergraduate	
Honours Capstone Seminar (Econ 4905), Carleton University	(5)
Statistical Analysis in Economics (Econ 4002), Carleton University	(6)
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 and Talks	
2026: McGill University, Montreal (scheduled)	
2025: Bank of Mexico, Mexico City	
2024: University of Victoria, Victoria; Indiana University, Bloomington	
2023: University of Graz, Graz, Austria	
2022: York University, Toronto (virtual); University of Toronto, Toronto	
2021: The 2021 Stata Economics Virtual Symposium, (virtual); Lakehead University, Thunder B	ay
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	
<b>2016</b> : McMaster University, Hamilton; Dalhousie University, Halifax; NYU-Shanghai, Shanghai, head University, Thunder Bay; University of Ottawa, Ottawa	China; Lake-
2015: Queen's University, Kingston; Carleton University, Ottawa; Department of Finance, Ottaw	a
<b>2014</b> : Bank of Canada, Ottawa; Ryerson University, Toronto; Wilfrid Laurier University, Waterlo du Québec à Montréal, Montreal	o; Université
<b>2013</b> : Are You Sure That is the Right Answer? Robust Inference and Policy Evaluation, Programm for Policy Analysis (PEPA), London, England	e Evaluation
Conference and Poster Presentations (P)	
"Which Policy Works and Where? Estimation and Inference of State Level Treatment Effects Using in-Differences'	g Difference-
Southern Economics Association, Tampa	scheduled
Canadian Economics Association, Montreal	2025
"Improved Cluster Robust Inference for 2x2 Difference-in-Differences"	

Southern Economics Association, Washington D.C.

"Cluster-Robust Jackknife and Bootstrap Inference for Binary Response Models"		
International Association for Applied Econometrics, Thessaloniki, Greece	2024	
"Using Images as Covariates: Measuring Curb Appeal with Deep Learning"		
Canadian Econometric Study Group, Toronto (P)	2024	
17th International Conference on Computational and Financial Econometrics, Berlin (virtual)	2023	
"Difference-in-Differences with Unpoolable Data"		
Canadian Economics Association, Toronto,	2024	
Southern Economics Association, New Orleans	2023	
"Jackknife Methods for Improved Cluster Robust Inference"		
Southern Economics Association, New Orleans	2023	
Canadian Stata Conference, Toronto	2023	
"A Cluster-Robust Jackknife Variance Matrix Estimator for Binary Response Models"		
Canadian Econometric Study Group, Hamilton (P)	2023	
Canadian Economics Association, Winnipeg	2023	
"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	
"When and How to Deal With Clustered Errors in Regression Models"		
Western Economics Association International, San Francisco	2019	
Canadian Economics Association, Banff	2019	
CIREQ:Recent Advances in Bootstrap Methods, Montreal (P)	2019	
"Fast and wild: Bootstrap inference in Stata using boottest"		
Stata Users Group Meeting, Vancouver	2018	

"Wild Bootstrap Randomization Inference for Few Treated Clusters"	
Camp Econometrics, Bolton Landing (P), NY	2018
The Econometrics of Complex Survey Data, Ottawa	2017
"Bootstrap and Asymptotic Inference with Multiway Clustering"	
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
"The Subcluster Wild Bootstrap for Few (Treated) Clusters"	
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
"One Sided Matching: Choice Selection With Rival Uncertain Outcomes"	
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 Edu	ucation Enrollment"
Canadian Economics Association Meeting, Vancouver	2014
"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
"How Targeted is Targeted Tax Relief? Evidence from the Unemployment Insurance Youtl	h Hires Program"
Canadian Economics Association Meeting, Ottawa	2011
Conference Discussions	
19th Defence and Security Economics Workshop, Ottawa	2024
18th Defence and Security Economics Workshop, Ottawa	2023
Canadian Economics Association, Winnipeg, MB	2023
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 (4), Canadian Public Policy (5), Computational Statistics and Data Analysis (2), Computer Methods and Programs in Biomedicine, Defence and Peace Economics (3), Economics Bulletin (2), Economic Inquiry (3), Economics of Education Review, Econometric Reviews (2), Econometric Theory (2), Frontiers in Psychology, Journal of the American Statistical Association, Journal of Applied Econometrics (3), Journal of Business and Economic Statistics, Journal of Computational and Applied Mathematics, Journal of Econometrics (4), Journal of Econometric Methods (2), Journal of Policy Analysis and Management, Journal of Political Economy, Journal of Statistical Computation and Simulation, Journal of Testing and Evaluation, Quantitative Economics, Review of Economics and Statistics (3), Review of Economic Studies, Social Sciences and Humanities Research Council (SSHRC), SoftwareX, Southern Economic Journal, The American Statistician

#### **Affiliations**

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

## **Student Supervision and Examination**

### **Current Doctoral Students**

Tonghui Tian [Carleton] (Committee Member)

2025 -

	Qixia Wu [UofO] (Committee Member)	2024 -
	Tahreen Zahra [Carleton] (Committee Member)	2024 -
	Olivia Jiang [UofO] (Committee Member)	2024 -
	Aline Zayat [UofO] (Committee Member)	2024 -
	Sunny Karim [Carleton] (Supervisor)	2023 -
	Debora Loccisano [Carleton] (Committee Member)	2022 -
Pr	evious Doctoral Students	
11.	Derek Mikola [Carleton] (co-supervisor)	2019 - 2023
	First Placement: Postdoc - University of New Brunswick	
10.	Florian Richard [Carleton] (Committee Member)	2020 - 2022
	First Placement: Assistant Professor - Laval University	
9.	Haowei Tang [Carleton] (Committee Member)	2020 - 2022
8.	Lamis Kattan [UofO] (Committee Member)	2019 - 2022
	First Placement: Assistant Professor - Georgetown University - Qatar	
7.	Michelle Laing [Carleton] (Committee Member)	2018 - 2021
	First Placement: Research Analyst - Employment and Social Development Canada (ESDC)	
6.	Joanne Haddad [UofO] (Committee Member)	2018 - 2020
	First Placement: Postdoc - European Centre for Advanced Research in Economics and Statistics	
5.	Nikolai Cook [UofO] (Committee Member)	2018 - 2020
	First Placement: Assistant Professor - Wilfrid Laurier University	
4.	Marie Christelle Mabeu [UofO] (Committee Member)	2018 - 2020
	First Placement: Postdoc - Stanford University	
3.	Peerapat (Tup) Tandavanitj [UofO] (Committee Member)	2017 - 2019
	First Placement: Economist, Government of Thailand	
2.	Mingying Zhu [UofO] (Committee Member)	2017 - 2019
	First Placement: Assistant Professor, Nanjing University	
1.	Abdallah Zalghout [Carleton] (Committee Member)	2016 -2019
	First Placement: Assistant Professor, MacEwan University	
Ma	aster's students	
3.	Morgan Nordstrom [Carleton - Geography] (Committee Member)	2021 - 2022
2.	Adam Gadawski (Board Member)	2017
1.	Joshua Brault (Board Member)	2016
Ur	ndergraduate	
2.	Oluwaseyi (Shay) Ishola	2018 - 2019
1.	Joshua Roxborough (Carleton Undergraduate Research Opportunity)	2017

## **Research Assistants**

2024/08 -
2025/05 -
2024/05 -
2024/05 -
2024/05 -
2024/01 - 2024/04
2023/09 - 2024/07
2022/05 - 2022/08
2022/01 - 2023/03
2021/09 - ongoing
2021/09 - 2022/08
2020/05 - 2020/08
2018/05 - 2022/06
2019/03 - 2019/08
2017/08 - 2017/12
2017/07 - 2018/08
2016/02 - 2017/08
2015/11 - 2017/11

# Service

# To the Profession

Econometric Society - World Congress 2025 Mentorship Program - Mentor

# **Carleton University**

Collaborative Data Science Specialization - Management Committee	2024-
Research Achievement Award 2020 Selection Committee	2019
COOL RDC Management Committee	2017-2020
Carleton University Representative	

# **Faculty of Public and Global Affairs**

Research Committee 2024 -

Indigenous Hiring Committee	2019
Department of Economics	/
Chair's Advisory Committee	Winter 2024
M.A. Committee	2023-2025
PhD Committee	2023-2023
Adhoc Hiring Committee	2022-2023
	2019
Econometrics Hiring Committee	2019
Empirical Microeconomics Hiring Committee	
Labour Economics Comprehensive Exam Committee	2018, 2019
Tenure and Promotion Committee Member	2017-2018, 2022-2025
Undergraduate Committee Member	2016-2019
Conference Organization	
Canadian Econometrics Study Group (2025), co-organizer	in progress
Celebrating James MacKinnon (Festschrift) , co-organizer	in progress
Western Economics Association Meeting, San Francisco	2025
Program Committee Member - Econometrics.	
Canadian Econometrics Study Group at Canadian Economics Association Meetings	2025
Western Economics Association Meeting, Seattle	2024
Program Committee Member - Econometrics.	
Western Economics Association Meeting, San Diego	2023
Program Committee Member - Econometrics.	
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 Econometrics Study Group (#35), co-organizer	2018
Canadian Econometrics 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

# **Non Academic Jobs**

General Electric Commercial Equipment Financing, Montreal, Quebec	2005
Co-op Quality Analyst	
JCClark Ltd., Toronto, Ontario	2004

Co-op Equity Research Analyst

# Other Details

Citizenship: Canadian Birth Year: 1983 References: Upon Request

Last updated: July 25, 2025