Matthew D. Webb

Associate Professor of Economics
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Research interests: Applied Microeconometrics; Causal Inference; Machine Learning and AI for Economic Measurement; Empirical Microeconomics.

Appointments

Associate Professor, Department of Economics, Carleton University 2021–present
Assistant Professor, Department of Economics, Carleton University 2015–2021
Eyes High Postdoctoral Scholar, Department of Economics, University of Calgary 2013–2015

Education

Ph.D., Economics, Queen's University
Thesis: "Econometric Analysis of Labour Market Interventions"; supervisors: Steven F. Lehrer and James G. MacKinnon 2013

M.A., Business Economics, Wilfrid Laurier University 2007
B.A., Honours Economics, Wilfrid Laurier University 2006

Current Research

Representation Risk in Pretrained Image Encoders

with Morgan Nordstrom, Ardyn Nordstrom, and Vamuyan Sesay. *Submitted*

Fewer Homes, Similar Neighborhoods: Revisiting the Evidence for Racial Housing Discrimination in 'Sorting or Steering'

with Shi Chen, Areez Gangji, Sunny Karim, and Anthony McCanny. *Resubmitted - After Second Round of Revisions Requested at Journal of Political Economy*

Jackknife Inference with Two-Way Clustering

with James G. MacKinnon and Morten Ørregaard Nielsen. *Revisions Requested at Econometric Reviews*

Which Policy Works, and Where? Estimation and Inference for State-Level Treatment Effects in Difference-in-Differences

with Nicole Austin, Sunny Karim, and Erin Strumpf. *Submitted*

Difference-in-Differences with Unpoolable Data

with Sunny Karim, Nicole Austin, and Erin Strumpf. *Submitted*

Improved Inference for CSDID Using the Cluster Jackknife

with Sunny Karim, Morten Ørregaard Nielsen, and James G. MacKinnon.

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

with Sunny Karim.

Images as Covariates: When do they Improve Prediction from Structured Data?

with Ardyn Nordstrom, Morgan Nordstrom, and Vamuyan Sesay.

Economics Publications

A Comment on 'Delivering Remote Learning Using a Low-Tech Solution: Evidence from a Randomized Controlled Trial in Bangladesh'
Lenka Fiala, Jack Fitzgerald, Essi Kujansuu, Derek Mikola, David Valenta, Juan P. Aparicio, Michael Wiebe, **Matthew D. Webb**, and Abel Brodeur. *Accepted at Journal of Political Economy Micro.*

Choosing Portfolios of Rival Risky Options: Evidence That Most People Violate the No Safety Schools Theorem
with David B. Johnson. *Journal of the Economic Science Association 11(2), 173–197, 2025.*

Cluster-Robust Jackknife and Bootstrap Inference for Binary Response Models
with James G. MacKinnon and Morten Ørregaard Nielsen. *Forthcoming at Econometric Reviews.*

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), 942–982, 2023.*

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.*

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), 671–694, 2023.*

Finish It and It's Free: An Evaluation of College Graduation Subsidies
with Derek Mikola. *Economics of Education Review 93, 102355, 2023.*

Reworking Wild Bootstrap Based Inference for Clustered Errors
Canadian Journal of Economics 56(3), 839–858, 2023.

Cluster-Robust Inference: A Guide to Empirical Practice
with James G. MacKinnon and Morten Ørregaard Nielsen. *Journal of Econometrics 232(7), 272–299, 2023.*

Clustering Methods for Statistical Inference
with James G. MacKinnon. *Handbook of Labor, Human Resources and Population Economics.*

Bootstrap and Asymptotic Inference with Multiway Clustering
with James G. MacKinnon and Morten Ørregaard Nielsen. *Journal of Business and Economic Statistics 39(2), 505–519.*

Randomization Inference for Difference-in-Differences with Few Treated Clusters
with James G. MacKinnon. *Journal of Econometrics 218(2), 435–450.*

A Simple, Graphical Procedure for Comparing Multiple Treatment Effects
with Brennan Thompson. *The Econometrics Journal 22(2), 188–205, 2019.*

Fast and Wild: Bootstrap Inference in Stata Using boottest
with David Roodman, James G. MacKinnon, and Morten Ørregaard Nielsen. *Stata Journal 19(1), 4–60, 2019.*

Wild Bootstrap Randomization Inference for Few Treated Clusters
with James G. MacKinnon. *Advances in Econometrics 39, 61–85, 2019.*

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), 53–112, 2019.*

The Wild Bootstrap for Few (Treated) Clusters
with James G. MacKinnon. *The Econometrics Journal 21(2), 114–135, 2018.*

Wild Bootstrap Inference for Wildly Different Cluster Sizes
with James G. MacKinnon. *Journal of Applied Econometrics 32(2), 233–254, 2017.*

Targeting Tax Relief at Youth Employment
with Arthur Sweetman and Casey Warman. *Canadian Public Policy 42(4), 415–430, 2016.*

Non-Economics Publications

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*

Randomization Inference for Accounting Researchers
with Roger White. *Journal of Financial Reporting - 6(2) pp. 129-141, 2021*

Pitfalls when Estimating Treatment Effects Using Clustered Data
with James G. MacKinnon. *The Political Methodologist - 24(2) pp. 20–31, 2017*

Meta Papers

AI-Assisted Teams Outperform AI-Led Teams but Not Human-Only Teams in Assessing Research Reproducibility in Quantitative Social Science
Abel Brodeur, David Valenta, Juan P. Aparicio, many others, **Matthew D. Webb**, and many others. Over 200 authors. *Forthcoming at PNAS*

Reproducibility and Robustness of Economics and Political Science Research
Abel Brodeur, Derek Mikola, Nikolai Cook, many others, **Matthew D. Webb**, and many others. Over 300 authors. *Nature - 652, 151-156, 2026*

Selected Grants

SSHRC Partnership Development Grant (Co-Director), $200,000 2026–2029
SSHRC Insight Grant (PI), $94,250 2025–2028
National Research Council Research Contract (co-PI), $91,638 2024–2026

Selected Research Software

`twowayjack` - Two-way jackknife cluster-robust inference for linear models.

`logitjack` - Jackknife cluster-robust inference for logit models.

`summclust` - Jackknife cluster-robust inference for linear models.

`mnwsvt` - Tests for the level of clustering.

Selected Professional Service

Member, SSHRC Insight Grants Merit Review Committee (Economics) 2026–2027
Secretary and member, Board of Directors, Canadian Economics Association June 2026–present
Co-Director, Centre for Economic Evidence on Migration (CEEM), Carleton University 2026–present
Guest Editor, Special Issue in Honour of James MacKinnon, Canadian Journal of Economics 2025–present
Guest Editor, Special Issue in Honour of James MacKinnon, Econometric Reviews 2025–present

Research Impact

Google Scholar: 4,912 citations; h-index 18; i10-index 21. Accessed October 21, 2026.

Full CV: mattdwebb.github.io/cv.html