

Steven F. Lehrer

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Citizenship: Canada

EMPLOYMENT

Professor, Department of Economics, Queen's University, July 2019 to present.

Associate Professor, School of Policy Studies and Department of Economics, Queen's University, July 2009 to June 2019.

Associate Professor of Economics, FAS, NYU–Shanghai, January 2015 to August 2019.

Global Network Professor, Department of Economics, NYU, April 2015 to August 2019.

Director, Shanghai Behavioral and Experimental Economics Laboratory, January 2015 to August 2019.

Visiting Scholar, Center for Labor Economics, University of California – Berkeley, September 2010 to February 2011.

Assistant Professor, School of Policy Studies and Department of Economics, Queen's University, July 2003 to June 2009.

Research Partner, Promoting Relationships and Eliminating Violence), February 2014 to present.

Affiliated Member, NYU, Institute for Interdisciplinary Study of Decision Making, July 2014 to December 2019.

Associated Member, NYU-ECNU Institute for Brain and Cognitive Science, March 2015 to December 2019.

Associated Member, NYUSH Center for Data Science and Analytics, August 2015- December 2019.

Olin Post-Doctoral Fellow in Medical Economics, Wharton School, University of Pennsylvania, August 2001 to July 2003.

EDUCATION

Ph.D., Economics, University of Pittsburgh, 2001

B. A., Economics (Minor in Management), McGill University, 1996

PROFESSIONAL ACTIVITIES

Research Associate, National Bureau of Economic Research, September 2016 to present.

Faculty Research Fellow, National Bureau of Economic Research, April 2006 to September 2016.

Chief Economist, JANYS Analytics, September 2012-Present.

Managing Editor, *Canadian Journal of Economics*, July 2025- Present.

Editor, *Canadian Journal of Economics*, July 2023- June 2025.

Associate Editor, *Canadian Public Policy*, September 2009 to July 2015.

Associate Editor, *Empirical Economics*, September 2010 to July 2023.

Associate Editor, *Journal of the Royal Statistical Society A*, November 2013 to December 2017.

FIELDS OF SPECIALIZATION

Economics of Education
Experimental Economics

Health Economics
Applied Econometrics for Data Science

Causal Inference

PUBLICATIONS

Waiting for the Right Offer: Laboratory Evidence on How News Affects Bargaining and the Market for Lemons (with Tingting Ding) *forthcoming in Management Science*.

Breaking Barriers: The Impacts of Employer Exposure to Immigrants (with Louis Pierre Lepage and Nuno Sousa Pereira) *forthcoming in Labour Economics*.

The Implications of Sorting for Immigrant Wage Assimilation and Changing Cohort Quality in Canada (with Luke Rawling) *forthcoming in Canadian Journal of Economics*.

Towards Interpretable Deep Learning and the Need for Public Data Initiatives (with Tian Xie) *forthcoming in Canadian Public Policy*.

Mandatory Minimum Sentencing and the Inflationary Floor: Evidence from Canada (with Emilia Galan and Jeffrey Penney) *Canadian Journal of Economics* Volume 57, Issue 1, February 2024, 55-77.

Asymptotic Optimality of Model Averaging Heterogeneous Autoregression Models with Heteroskedastic Errors: Theory and an Application to Cryptocurrency Volatility Forecasting (with Ziwen Gao, Tian Xie and Xinyu Zhang) in *Advances in Econometrics (Volume 46) – Essays in Honor of Subal Kumbhakar*, edited by Christopher H. Parameter, Mike G. Tsionas and Hung-Jen Wang, Emerald Press, 99-131.

The Evolution of Gender Patterns in Retirement Saving in Canada (with Ross Finnie and Yazhuo Pan) *Canadian Public Policy* Volume 49, Issue S1, February 2023, Volume 41, Issue s1, 6 – 31 (lead article).

Multiple Testing and the Distributional Effects of Accountability Incentives in Education (with Vincent Pohl and Kyungchul Song) *Journal of Business and Economic Statistics* Volume 40, Issue 4, October 2022, 1552–1568.

The bigger picture: Are analytics and social media data the best way to predict movie success? (w/ Tian Xie) *Management Science* Volume 68, Issue 1, January 2022, 189 - 210.

Does High Frequency Social Media Data Improve Forecasts of Low Frequency Consumer Confidence Measures? (with Tian Xie and Tao Zeng) *Journal of Financial Econometrics* Volume 19, Issue 5, November 2021, 910–933.

Social Media Sentiment, Model Uncertainty, and Volatility Forecasting (w/ Tian Xie and Xinyu Zhang) *Economic Modelling* Volume 102, September 2021 Article 105556.

Do the Benefits from Using New Data Science Tools Extend to Forecasting Extremely Volatile Assets? (with Tian Xie and Guanxi Yi) in *Data Science for Economics and Finance: Methodologies and Applications*, edited by Sergio Consoli, Diego Reforgiato Recupero, Michaela Saisana (eds.), Springer 287-330 available online at https://link.springer.com/chapter/10.1007/978-3-030-66891-4_13

Instrumental Variables Estimation of a Simple Dynamic Model of Bidding Behavior in Private Value Auctions (with John Ham) *Journal of the Economic Science Association* Volume 6 Issue 2, December 2020, 139-155.

How Do NYPD Officers Respond to Terror Threats? (with L-P. Lepage) *Economica* Volume 87 Issue 347, July 2020, 638-661.

How skills and parental valuation of education influence human capital acquisition and early labor market return to human capital in Canada (with Mike Kottelenberg) *Journal of Labor Economics* Volume 37, Issue s2, July 2019, S735-S778.

Does Selective Crime Reporting Influence our Ability to Detect Racial Discrimination in the NYPD's Stop-and-Frisk Program? (with L-P. Lepage) in *Advances in Econometrics (Volume 39) - The Econometrics of Complex Survey Data: Theory and Applications*, edited by Kim P. Huynh, David T. Jacho-Chavez and Gautam Tripathi, Emerald Press, 259-286.

Can social scientists use molecular genetic data to explain individual differences and inform public policy? (with Weili Ding) chapter 9 in *Biophysical Measurement in Experimental Social Science Research: Theory and Practice*, edited by Gigi Foster, Elsevier Press, February 2019, 225-265.

Time preferences are reliable across time-horizons and verbal vs. experiential tasks (with Evgeniya Lukinova, Yuyue Wang and Jeffrey C. Erlich) *eLife* e39656, February 5, 2019 available online at <https://elifesciences.org/articles/39656>.

Post-Secondary Student Choices and the Labour Shortage in Canada's Information and Communication Technology Sector (with Weili Ding) *Canadian Public Policy* Volume 44 Issue s1, December 2018, S30-S42.

Gene discovery and polygenic prediction from a 1.1-million-person GWAS of educational attainment (with J.J. Lee, R. Wedow, A. Okbay, E. Kong, ..., P. Turley, P.M. Visscher, D. J. Benjamin and D. Cesarini) *Nature Genetics* Volume 50, Issue 8, August 2018, 1112-1121.

Does Quebec's Subsidized Child Care Policy Give Boys and Girls an Equal Start? (with Michael Kottelenberg) *Canadian Journal of Economics* Volume 51, Issue 2, May 2018, 627-659.

Box Office Buzz: Does Social Media Data Steal the Show from Model Uncertainty When Forecasting for Hollywood (with Tian Xie) *Review of Economics and Statistics* Volume 99, Issue 5, December 2017, 749-755 (lead article).

What is the Role for Molecular Genetic Data in Public Policy? (with Weili Ding), *IZA World of Labor* available online at <https://wol.iza.org/articles/what-is-the-role-for-molecular-genetic-data-in-public-policy/long>, October 27, 2017.

Targeted or universal coverage? Assessing heterogeneity in the effects of universal childcare (with Michael Kottelenberg) *Journal of Labor Economics* Volume 35, Issue 3, July 2017, 609-653 (lead article).

Are genetic markers of interest for economic research? (with Weili Ding), *IZA Journal of Labor Policy* available online at <http://rdcu.be/rwn2>, April 21, 2017.

Genome-wide association study identifies 74 loci associated with educational attainment (with A. Okbay, J.P. Beauchamp, M.A. Fontana, J.J. Lee, T.H. Pers, C.A. Rietveld, P. Turley ,..., P.M. Visscher, T. Esko, P.D. Koellinger, D. Cesarini, D.J. Benjamin) *Nature*, 533, 539–542, (26 May 2016)

Biomarkers as Inputs, chapter 17 in *The Oxford Handbook of Economics and Human Biology*. John Komlos and Inas Rashad Kelly, (eds.), Oxford University Press, May 2016, 337-365.

Bargaining and Reputation: Experimental Evidence on Bargaining in the Presence of Irrational Types (with Matthew Embrey and Guillaume Frechette) *Review of Economic Studies* Volume 82, Issue 2, April 2015, 608-631.

Cohort of birth modifies the association between FTO genotype and BMI (with N. Rosenquist, J. O'Malley, A. Zavalsky, J. Smoller and N. Christakis) *Proceedings of the National Academy of Sciences*, Volume 112, Number 2, January 13, 2015, 354-359.

Tom Courchene: Innovative Thinking in Canadian Policy, (with K. Banting and R. Chaykowski) chapter in K. Banting, R. Chaykowski and S. Lehrer, (eds.), *Thinking Outside the Box: Innovation in Policy Ideas*, McGill-Queen's University Press, 2015.

Do the Perils of Universal Childcare Depend on the Child's Age? (with Michael Kottelenberg) *CESifo Economic Studies* Volume 60, Issue 2, June 2014, 338-365.

Understanding the role of time-varying unobserved ability heterogeneity in education production (with Weili Ding) *Economics of Education Review* Volume 40 Issue 1, June 2014, 55–75.

Peer Effects, Social Networks, and Healthcare Demand (with Niels Rosenquist) in Anthony J. Culyer, editor, *Encyclopedia of Health Economics*, Elsevier, 2014, 473-478.

Matching using Semiparametric Propensity Scores (with Gregory Kordas) *Empirical Economics* Volume 44, Issue 1 (2013), 13-45.

New Evidence on the Impacts of Access to and Attending Universal Childcare in Canada (with Michael Kottelenberg) *Canadian Public Policy* Volume 39 Issue 2, June 2013, 263-285.
Awarded 2013 John Vanderkamp prize.

The Impact of Social Networks on Labour Market Outcomes: New Evidence from Cape Breton (with Adnan Khan) *Canadian Public Policy* Volume 39 Issue s1, May 2013, 1-24.

Genetic Lotteries within Families (with Jason Fletcher) *Journal of Health Economics* Volume 30 Issue 4, July 2011, 647-659. Earlier version appeared in NBER Working Paper 15148 as Using the Genetic Lottery to Estimate the Impacts of Poor Health on Education.

Class Size and Student Achievement: Experimental Estimates of Who Benefits and Who Loses from Reductions (with Weili Ding) *Education Economics* Volume 19, Issue 3, July 2011, 229-252.

A Genetic Instrumental Variables Analysis of the Effects of Prenatal Smoking on Birth Weight: Evidence from Two Samples (with George Wehby, Jason Fletcher, Lina M. Moreno, Jeffrey C.

Murray, Allen Wilcox and Rolv T. Lie) *Biodemography and Social Biology* Volume 57, Issue 1, Spring 2011, 3-32.

Estimating Treatment Effects from Contaminated Multi-Period Education Experiments: The Dynamic Impacts of Class Size Reductions (with Weili Ding) *Review of Economics and Statistics*, Volume 92, Issue 1, February 2010, 31-42. NBER Working Paper #15200.

The Effects of Adolescent Health on Educational Outcomes: Causal Evidence Using Genetic Lotteries between Siblings," (with Jason Fletcher) *Forum for Health Economics & Policy*, 2009, Volume 12: Issue 2 (Health and Education), Article 8.

Awarded 2009 Victor R. Fuchs Research Award in Health Economics.

The Impact of Poor Health on Academic Performance: New Evidence Using Genetic Markers (w/ W. Ding, N. Rosenquist and J. Audrain-McGovern), *Journal of Health Economics*, May 2009, Vol. 28, No. 3, 578-597. NBER Working Paper #12304.

Housing and Education Reform in Urban China: No Longer Separate and Increasingly Unequal in *Economic Transitions with Chinese Characteristics: Thirty Years of Reform and Opening Up*, Mc-Gill Queen's University Press, 2009. (with Weili Ding)

Worker Sorting, Compensating Differentials and Health Insurance: Evidence from Displaced Workers (with Nuno Pereira), *Journal of Health Economics* Volume 26, Issue 5, September 2007, 1034-1056.

Do Peers Affect Student Achievement in China's Secondary Schools? (with Weili Ding), *Review of Economics and Statistics*, Volume 89, Issue 2, May 2007, 300-312.

Improving Teacher Quality in China, in *Education and Reform in China*, Emily Hannum and Albert Park (eds.), Routledge Press, 2007, 191-204. (with Weili Ding)

Randomization, Endogeneity and Laboratory Experiments: The Role of Cash Balances in Private Value Auctions (with John Ham and John Kagel), *Journal of Econometrics*, Volume 125, Issues 1-2, March-April 2005, 175-205.

Using Dynamic Panel Data Models to Estimate Adjustment in Auction Experiments (in Chinese), *World Economic Forum*, 2004/1.

Bargaining in Legislatures: An Experimental Investigation of Open versus Closed Amendment Rules (with Guillaume Frechette and John Kagel), *American Political Science Review*, Volume 97, Issue 2, May 2003, 221-232.

Assessing Teacher's Performance Incentives in China (in Chinese) (with Weili Ding), *World Economic Forum*, 2003/5.

Awarded World Economic Forum Best Paper Prize

PUBLICATIONS WITH THE SSGAC

Okbay, A., Wu, Y., Wang, N., Jayashankar, H., Bennett, M., Nehzati, S. M., Sidorenko, J., Kweon, H., Goldman, G., Gjorgjieva, T., Jiang, Y., Hicks, B., Tian, C., Hinds, D. A., Ahlskog, R., Magnusson, P. K., Oskarsson, S., Hayward, C., Campbell, A., Porteous, D. J., Freese, J., Herd, P., 23andMe Research Team, Social Science Genetic Association Consortium, Watson, C.,

Jala, J., Conley, D., Koellinger, P. D., Johannesson, M., Laibson, D., Meyer, M. N., Lee, J. J., Kong, A., Yengo, L., Cesarini, D., Turley, P., Visscher, P. M., Beauchamp, J. P., Benjamin, D. J., and Young, A. I. (2022) “Polygenic prediction of educational attainment within and between families from genome-wide association analyses in 3 million individuals” *Nature Genetics* 54, 437–449.

Linnér, Richard Karlsson, Pietro Biroli, Edward Kong, S. Fleur W. Meddens, Robbee Wedow, Mark Alan Fontana, Maël Lebreton, Stephen P. Tino, Abdel Abdellaoui, Anke R. Hammerschlag, Michel G. Nivard, Aysu Okbay, Cornelius A. Rietveld, Pascal N. Timshel, Maciej Trzaskowski, Ronald de Vlaming, Christian L. Zünd, Yanchun Bao, Laura Buzdugan, Ann H. Caplin, Chia-Yen Chen, Peter Eibich, Pierre Fontanillas, Juan R. Gonzalez, Peter K. Joshi, Ville Karhunen, Aaron Kleinman, Remy Z. Levin, Christina M. Lill, Gerardus A. Meddens, Gerard Muntané, Sandra Sanchez-Roige, Frank J. van Rooij, Erdogan Taskesen, Yang Wu, Futao Zhang, 23and Me Research Team, eQTLgen Consortium, International Cannabis Consortium, Social Science Genetic Association Consortium, Adam Auton, Jason D. Boardman, David W. Clark, Andrew Conlin, Conor C. Dolan, Urs Fischbacher, Patrick J. F. Groenen, Kathleen Mullan Harris, Gregor Hasler, Albert Hofman, Mohammad A. Ikram, Sonia Jain, Robert Karlsson, Ronald C. Kessler, Maarten Kooyman, James MacKillop, Minna Männikkö, Carlos Morcillo-Suarez, Matthew B. McQueen, Klaus M. Schmidt, Melissa C. Smart, Matthias Sutter, A. Roy Thurik, André G. Uitterlinden, Jon White, Harriet de Wit, Jian Yang, Lars Bertram, Dorret I. Boomsma, Tõnu Esko, Ernst Fehr, David A. Hinds, Magnus Johannesson, Meena Kumari, David Laibson, Patrik K. E. Magnusson, Michelle N. Meyer, Arcadi Navarro, Abraham A. Palmer, Tune H. Pers, Danielle Posthuma, Daniel Schunk, Murray B. Stein, Rauli Svento, Henning Tiemeier, Paul R. H. J. Timmers, Patrick Turley, Robert J. Ursano, Gert G. Wagner, James F. Wilson, Jacob Gratten, James J. Lee, David Cesarini, Daniel J. Benjamin, Philipp D. Koellinger & Jonathan P. Beauchamp (2019). “Genome-wide association analyses of risk tolerance and risky behaviors in over 1 million individuals identify hundreds of loci and shared genetic influences.” *Nature Genetics* 51, 245–257.

Marioni, Riccardo E, Stuart J. Ritchie, Peter K. Joshi, Saskia P. Hagenaars, Aysu Okbay, Krista Fischer, Mark J. Adams, W. David Hill, Gail Davies, Social Science Genetic Association Consortium, Reka Nagy, Carmen Amador, Kristi Läll, Andres Metspalu, David C. Liewald, Archie Campbell, James F. Wilson, Caroline Hayward, Tõnu Esko, David J. Porteous, Catharine R. Gale, and Ian J. Deary (2016). “Genetic variants linked to education predict longevity.” *Proceedings of the National Academy of Sciences*, 113(47), 13366–13371. doi: 10.1073/pnas.1605334113

BOOKS

Policy Thinking Outside the Box: A Conference Volume Celebrating Thomas J. Courchene (co-edited with Keith Banting and Rick Chaykowski), McGill / Queen’s University Press, October 2015.

DISSERTATION

Three Essays in Applied Microeconomics

Dissertation Supervisors: John Kagel and Jean-Francois Richard (co-chairs)

Reading Committee: Dennis Epple, Martin Gaynor and Jack Ochs

WORKING PAPERS

Estimating Context-Independent Treatment Effects in Education Experiments (with Weili Ding) *under review*.

Algorithms for Predictive Analytics: Communication, Privacy and Weights (with Weili Ding and Tian Xie) *under review*.

Does Competition Impede Learning from News in the Market for Lemons? Evidence from the Lab (with Tingting Ding) *under review*.

Not Quite Universal Childcare: Evidence on how the Demand and Supply Side Initially Respond to a Shortage of Subsidized Spaces in Childcare (with Weili Ding and Mike Kottelenberg) *under review*.

Labor Market Consequences of Pay Equity Laws (with M. D. Moshi Alam and Nuno Sousa Pereira) *under review*.

Do Opportunities for Low-Income Students at Top Colleges Promote Academic Success? Evidence from Colombia's Ser Pilo Paga program (w. Jeff Penney, Gloria L. Bernal and Luis Carlos Reyes) *under review*.

Identification in multi-period experiments with period-specific compliance (with Weili Ding) *in preparation for submission*.

Assessing the Hype of Machine Learning for Causal Inference (with Weili Ding and Tian Xie) *in preparation for submission*.

Graduating from PSE during recessionary periods. University of Toronto Research Initiative, Education and Skills Working Paper. FutureSkills Research Lab. <http://futureskillscanada.com> (with Jeff Penney and Yazhuo Pan)

Trends in Job Search Following Covid-19 in the United States: Great Resignation or Health Risk Uncertainty (with Barbara M. Sadaba).

Let's take the con out of geno-economic applications using polygenic risk scores (w. Evgeniya Lukinova and Weili Ding) *in preparation for submission*.

INACTIVE WORKING PAPERS (but not yet abandoned)

Raging Hormones in Puberty: Do they Affect Adolescent Outcomes? (with Richard E. Tremblay, Benoit Schaal and Frank Vitaro) *under revision*.

The Changing Role of Employer Sponsored Health Insurance in the U. S. Labor Market: New Evidence from Displaced Workers (with Nuno Pereira)

The Causal Impact of Alternative Parental Child Rearing Practices on Adolescent Outcomes (with Richard E. Tremblay)

Estimating Adjustment Processes in Multi Period Laboratory Experiments: With an Application to First Price Common Value Auctions

Using Performance Incentives to Reward the Value Added of Educators: Theory and Evidence from China (with Weili Ding)

RESEARCH EARLY IN PROGRESS

Identifying and Estimating Birthweight Production Functions (w/ Gerard van den Berg, Hans-Martin von Gaudecker and Bettina Sifflinger)
Collusion and Passive Waste in Panama: Evidence from the Retail Gasoline Market (with Decio Coviello and Ben Rommelaere)
Changed parenting practices: between increased input into childcare and worsened outcomes for children (w/ Weili Ding and Mike Kottelenberg)
Bargaining in Legislatures: An Experimental Investigation with Real World Politicians (with Guillaume Frechette and John Kagel)
Never too busy to help: Experimental evidence on the effect of Employment on Volunteering (with Jin Young Yoon)
How the Pandemic Influenced Selection into the Labor Force and the Indigenous and Non-Indigenous Wage Gap in Canada (with Areez Gangji)
The Other Gig Economy (with Tian Xie)
The Dynamic Relationship among the Parental Health Knowledge, Child Health Sector Encounters and Health Outcomes (w/ R. Tremblay)
Gender Differences in Health Sector Utilization: New Evidence from Exploring Variation across Cohorts and the Lifecycle in Sweden (w/ Hans-Martin von Gaudecker and Marten Palme)
Residential Permits, Neighborhood Sorting and Equality of Opportunity: Are School Inputs Linked to Housing Prices in China (w/ Weili Ding)

ACADEMIC AWARDS

Dan Usher Prize for Research Excellence, 2023 (for research in 2020–2022).
Invited Visitor, Excellence Cluster, ECONtribute: Markets & Public Policy, University of Bonn, 2019
Excellence in Refereeing Award, *Pharmacoepidemiology and Drug Safety*, 2016.
Invited to join the Shanghai Thousand Talent for Foreign Experts program, 2015 class.
Received the 2013 John Vanderkamp prize for the best paper published in the *Canadian Public Policy/Analyse de Politiques*
Received the 2009 Victor R. Fuchs Research Award in Health Economics for research on Genetic Lotteries (with Jason M. Fletcher)
Awarded Netspar Summer Faculty Fellowship, Free University of Amsterdam.
Selected to give the 1st Terri Waters Memorial Lecture for Alumni from the Department of Economics at University of Pittsburgh.
Awarded 2007/08 New Faculty Fellowship in the Comparative Program on Health and Society (CPHS) at the Munk Centre for International Studies, University of Toronto. Awarded World Economic Forum Best Paper Prize (For articles published in 2002-4.)
Andrew W. Mellon Research Fellowship, University of Pittsburgh (2000-2001)
MHIRC Pre-Doctoral Dissertation Award, Western Psychiatric Institute and Clinic (2000)
Fellow AIR / NCES (National Center for Education Statistics) Summer Institute (2000)
Reuben Slesinger Graduate Student Paper Award, University of Pittsburgh (2000)
Richard Thorn Memorial Award for Teaching, University of Pittsburgh (1999)
International Studies Research Support Award, University of Pittsburgh (1998)
Reuben Slesinger Prize for Incoming Students, University of Pittsburgh (1996)

RESEARCH GRANTS (Principal Investigator only—Funds in CAD)

IAAE Conference Grant 2025

SSHRC Insight Research Grant, 2024-2027, \$94,969 (with Weili Ding).

SSHRC Insight Development Grant, 2022-2024, \$57,828 (with M. D. Moshi Alam)

Research Initiative, Education + Skills, 2021, \$7,500+RA support (with Jeff Penney)

SSHRC Insight Development Grant, 2019-2024, \$52,807 (with Jeff Penney, PI)

SSHRC Insight Research Grant, 2019-2024, \$91,020 (with Weili Ding).

SSHRC Insight Development Grant, 2018-2020, \$61,818 (with Mike Kottelenberg, PI)

Shanghai Thousand Talent Grant 750,000RMB.

NYU Global Seed Grants for Collaborative Research 2016-2019 (with David Cesarini)
130,766USD

Shanghai Research Challenge Grant 2015-2017 (with Jeffrey Erlich) \$100,000USD.

OHCRIF grant, 2014-2015, \$24,905

SSHRC Insight Development Grant, 2014-2016, \$46,900 (with Matt Webb, PI)

EPRI, 2013-2014, \$20,000 (2 grants – \$10,000 each)

SSHRC Insight Research Grant, 2013-2017, \$129,549.

HRSDC, 2012-2013 \$20,000

EPRI, 2012-2013, \$30,000 (3 grants – \$10,000 each)

OBW, 2012, \$3200

HRSDC, 2011, \$9850

SSHRC Standard Research Grant, 2009-2013, \$60,000.

Canadian Labour Study Research Network, 2007-2008, \$43,098.

Pew Foundation: Partnership for America's Economic Success, 2006-2007, \$37,525 USD.

Spencer Foundation, 2006-2008, Co-Principal Investigator (with Weili Ding Co-PI) \$39,860 USD.

Canadian Labour Study Research Network, 2006-2007, \$15,000.

SSHRC Standard Research Grant, 2005-2009, \$60,100.

UPMC - MHIRC Pre-Doctoral Dissertation Research Grant, 2000-2001, \$15,000USD.

TEACHING EXPERIENCE

Instructor

Advanced Econometrics (4th year undergraduate) (January 2023-April 2023, September 2023-December 2023, September 2024-December 2024)

Applied Econometrics (Graduate) (January 2023-April 2023, January 2024-April 2024, January 2025-April 2025)

PhD Thesis Semester (January 2024-April 2024)

Data Analytics (January 2019-April 2019)

Econometrics M.A. Level (September 2018-December 2018, September 2019-December 2019, September 2020-December 2020, September 2021-December 2021, September 2022-December 2022, September 2023-December 2023, September 2024-December 2024, September 2025-December 2025)

Health Economics (January 2018-April 2018, January 2019-April 2019, January 2020-April 2020)

Undergraduate Econometrics (September 2025-December 2025, January 2025-April 2025, January 2016-May 2016)

Public Economics (January 2016-May 2016)

Causal Inference in the Social Sciences (January 2015-May 2015)

Empirical Microeconomics I ECON 860 (Sept. 2011-Dec. 2011, Sept 2012- Dec. 2012)

Quantitative Methods for Public Policy (Sept. 2004 – Dec. 2004, Sept. 2005 – Dec. 2005, Sept 2006-Dec. 2006, Sept 2007-Dec. 2007, Sept 2008-Dec. 2008, Sept 2009-Dec. 2009, Sept 2011-Dec. 2011, Sept 2017-Dec. 2017)

Analytical Methods for Public Policy (Sept 2012-Dec. 2012, Sept. 2013- Dec.2013)

Analytical Methods for HR/IR (Sept 2012-Dec. 2012, Sept. 2013- Dec.2013)

Quantitative Program Evaluation (Jan. 2004-April 2004, Jan. 2005-April 2005, Jan. 2006-April 2006, Jan. 2008-April 2008, Jan 2009- April 2009, Jan 2010- April 2010, Jan 2012-April 2012, Jan 2013-April 2013, Jan 2014-April 2014, Jan 2018-April 2018, Jan 2019-April 2019, Jan 2020-April 2020)

Microeconomics and Public Policy (September 2003 – December 2003)

Health Insurance and the Labor Market (January 2002- March 2002)

Introduction to Macroeconomics (June 1999 - August 1999)

Introduction to Microeconomics (May 1998 - June 1998)

Teaching Assistant

Government and Business (January 2000 - April 2000), Introduction to Macroeconomics (September 1997 - December 1997), Consumer Economics (September 1996/7 - December 1996/7), Regulated Industries (January 1997 - April 1997), Introduction to Microeconomics (January 1997 - April 1997), Introduction to International Trade (Sept. 1996 – Dec. 1996)

Other shorter courses taught

Introduction to Data Science and Analytics for Economists, Shanghai University of Finance and Economics, July 2024.

Introduction to Data Science and Analytics for Economists, The Central University of Finance and Economics & University of Electronic Science and Technology of China Joint Research Data Center (CEDC), June 2021, July 2022, June 2023 May 2024.

Introduction to Data Science and Analytics for Economists, RWI – Leibniz-Institut für Wirtschaftsforschung, October 2023.

Recent Developments in Empirical Methods for the Economics of Human Capital, Central University of Finance (May 2024)

Empirical Methods for the Economics of Education, Beijing Normal University (May 2013)

Regression Analysis for Business Honors Students in the Senior Class, NYU Shanghai (Fall 2016)

POSTDOCTORAL FELLOW SUPERVISION

Stefanie Sunao, 2025-2027, Queen's University (in progress)

Marcos Lee 2024-2026, Queen's University (in progress)

Md. Moshi Ul Alam, 2021-2024, Queen's University, now Assistant Professor, Clark University.

Louis Pierre Lepage 2021-2023, SSHRC funded at Queen's University, now Assistant Professor, Stockholm University.

Evgeniya Lukinova 2016-21, NYU Shanghai, Assistant Professor, University of Nottingham. Co-supervisor with Jeff Erlich.

COMPLETED GRADUATE STUDENT SUPERVISION

Peter Lin Qi Wang (MA, 2024, PhD Student at the University of Toronto)

Joshua Lau (MA, 2024, Competition Bureau Canada)

Areez Gangji (MA, 2023, Awarded 2023 Scarthingmoor Prize in Economics for outstanding MA essay, Big River Analytics)

Antoine Sawyer (MA, 2023, PhD Student at Queen's University)

Nicolas van Hell (MA, 2021, Awarded 2021 Scarthingmoor Prize in Economics for outstanding MA essay, Finance Canada)

Seth Kushniryk (MA, 2020, PhD Student at Queen's University)

Luke Rawling (MA, 2020, PhD Student at Queen's University)

Connor Walsh (MA, 2020, Sobey's)

Mark Creighton (MA, 2020, Parliamentary Budget Office)

Shaoteng Li (PhD, 2020, Evaluator)

Maggie Jones (PhD, 2018, Evaluator, First placement Asst. Prof. University of Victoria then Asst. Prof. Emory University)

Michael Kottelenberg (PhD, 2015, Supervisor Placed Asst. Prof. Huron, UWO, Awarded 2016 C. A. Curtis Prize for the best doctoral thesis in economics)

Jeffrey Penney (PhD, 2015, Co-Supervisor, First Placement Asst. Prof. Javereina then Asst. Prof. University of Alberta)

Vincent Chandler (PhD, 2014, Co-Supervisor, First Placement Asst. Prof. SMU then Asst. Prof. University of Quebec-Outaouais)

Dorte Heger (PhD, 2014, Co-Supervisor, First Placement RWI)

Matt Webb (PhD, 2013, Co-Supervisor, First placement University of Calgary Post Doc then Asst. Prof. Carleton University)
 Michel Cloutier (PhD, 2014, Evaluator, First placement Analysis Group)
 Noemie Schmiedel (MA, 2013, Finance Canada)
 Louis-Pierre Lepage (MA, 2013, PhD Student at Univ. of Michigan)
 Benjamin Rommelaere (MA, 2013, Charles River Associates then PhD Student at Univ. of Toronto)
 K-F. Stephen Gee (MA, 2013, Awarded 2013 - 2014 Scarthingmoor Prize in Economics for outstanding MA essay, Finance Canada)
 Kristina Hess (MA, 2012, Bank of Canada)
 Jonathan Holmes (MA, 2012, PhD Student at UC-Berkeley)
 Adnan Khan (PhD, 2009, Co-Supervisor, First placement IGC, LSE now School of Public Policy, LSE)
 Michael Kottelenberg (MA, 2009, PhD Student at Queens University)
 Sandy Ng (MPA, 2008, Fulbright Post-Doc at Stanford University)
 Kathleen Rybczynski (PhD) (Reader, First placement University of Waterloo)
 Jean Francois Houde (PhD) (Reader, First placement Wisconsin-Madison)
 Estelle Ouellette (MPA, 2006)
 Nadia Ramlal (MPA, 2005)
 Vipin Grover (MPA, 2005)
 Suzie England (MIR) (2nd reader, 2006)
 Justin Smith (MIR) (2nd reader, 2006)
 Lin Xiu (MIR) (2nd reader, 2005, PhD University of Toronto)
 Youssef Youssef MD (PMPA) (2nd reader, 2004)

Ph.D. External Examining Board Participation or External Evaluation

Taylor Wright, University of Ottawa
 Marc-Antoine Schmidt, University of Toronto
 Luis Rebelo, University of Porto
 Erik No Ham Mak, University of Toronto
 Hugh Macartney, University of Toronto
 Guang Dai, University of British Columbia

COMPLETED UNDERGRADUATE STUDENT SUPERVISION

Yuqian Gong (2017, MA Student, University of Chicago)
 Yuxin Tong (2017)
 Yiwen Li (2018, PhD Student, Boston University)
 Anna Jaskiewicz (2018, PhD Student, UCSB)

SERVICE

Referee: American Economic Review, Quarterly Journal of Economics, Econometrica, Review of Economic Studies, Management Science, Journal of Political Economy, The Review of Economics and Statistics, Journal of Public Economics, Journal of Econometrics, Journal of Health Economics, Journal of Human Resources, Journal of Labor Economics, American Economic Journal: Applied Economics, American Economic Journal: Economic Policy, American Economic Journal: Microeconomics, Proceedings of the National Academy of Science, Quantitative Economics, Journal of Business and Economic Statistics, Journal of the European Economic Association, Games and Economic Behavior, Experimental Economics, European Economic Review, International Economic Review, Journal of Applied Econometrics, Econometrics Journal, Journal of Public Policy Analysis and Management, Economics of Education Review, Journal of Economic Behavior and Organization, Journal of Human Capital, Journal of the Economic Science Association, American Journal of Health Economics, Journal of

Epidemiology & Community Health, Social Research Demonstration Canada, Social Science and Medicine, Forum for Health Economics & Policy, Health Economics, Economica, Canadian Journal of Economics, Southern Economic Journal, Labour Economics, Information, Communication and Society, Education Next, International Review of Economics Education, Children and Youth Services Review, Economic Modelling, B.E. Journal of Economic Analysis & Policy, International Finance, Review of Economics of the Household, C. D. Howe, Statistics in Medicine, National Science Foundation, Canada Research Chairs, Smith Richardson Foundation, Economic Inquiry, Journal of The Japanese and International Economies, European Science Foundation-Science Connect, Games, SAGE Open, Contemporary Economic Policy, Finance Research Letters, Economic Modelling, Journal of Economics, Race, and Policy. Social Science Quarterly, Economics and Human Biology, SSHRC, Empirical Economics, Journal of Economic Psychology, Hong Kong Research Grant Council, American Sociological Review, Sociological Methodology, Canadian Public Policy, Journal of the Royal Statistical Society, Pharmacoepidemiology and Drug Safety, Journal of Economics of Aging, Forum for Health Economics and Policy, Healthcare, Evaluation Review, PLoS ONE, Stata Journal, Economics of Disasters and Climate Change, Journal for Research in Mathematics Education, Scientific Research and Essays, Danish Research Council, Israeli Science Foundation, Swiss National Science Foundation, European Science Foundation, Slovak Research and Development Agency, World Economic Review and China Economy.

Conference Organizing

Co-organizer, Celebrating James MacKinnon, Queen's University, September 2025.
Celebrating Hames Program Committee, 2016 Econometric Society Australasia meetings, Sydney, July 2016.
Program committee, 2014 CEA Annual Conference, Vancouver, May 2014.
Co-organizer, Thinking Outside the Box: A Conference in Celebration of Thomas J. Courchene, Queen's University, October 2012.
Co-organizer, SWUFE-RIEM Conference in Empirical Microeconomics, Chengdu, May 2012
Program committee, 2013 iHEA World Congress, Sydney, July 2013.
Program committee, 2011 iHEA World Congress, Toronto, July 2011.
Program committee, JDI Economic Relations Between Children and Parents Conference, Queen's University, October 2010

Member, External Scientific Advisory Board of the Center of Economics and Finance at the University of Porto, December 2017-2022.

SSHRC Insight Grant Committee, 2022/3 (member), 2024/5 (member).

Hiring Committee, Department of Economics, 2022-present

Visitors Committee, Department of Economics, 2019-2021.

Academic Area Leader, Economics, 2015-2016.

General Research Ethics Board for Human Subjects, 2015-2016.

Member of Committee to Establish Data Science major and minor, NYU Shanghai.

Alternate Senator for the Tenure/Tenure Track Faculty, NYU, September 2015-August 2018.

MPA and PMPA Admissions Committee 2008-2010, 2011-2014, 2017/8, 2018/9.

SSHRC Preselection Committee 5 Doctoral Selection Committee, 2011/2 (member), 2012/3 (Chair), 2013/4 (Chair).

Working Paper Coordinator, 2007-2008.

Master's Research Project Coordinator, 2007- 2008.

Hiring Committee, School of Policy Studies and School of Industrial Relations, 2003-2004, 2004-2005, 2005-2006, 2006-2007, 2011-2012, 2012-2013, 2013-2104.

Tenure and Promotions Committee, School of Policy Studies and School of Industrial Relations, 2003-2004, 2004-2005, 2012-2013, 2013-2014, 2017-2018.

China Public Policy Program and Exchange, SPS, 2004-2005, 2005-2006.

Webmaster, Department of Economics (September 1997 – June 2000)

President, Economics Graduate Student Organization (September 1997 – September 1998)

Treasurer, Economics Graduate Student Organization (October 1996 – September 1997)

PROFESSIONAL PRESENTATIONS

2025: University of Massachusetts-Amherst, CIFAR CD Howe AI Safety & Public Policy Research Workshop, Canadian Economics Association Annual Meeting, Society of Labor Economics World Congress, Canadian Public Economics Group Annual Meeting.

2024: Javareina University, Central University of Finance and Economics, Canadian Economics Association Annual Meeting, The Advances in Social Genomics Conference, SHUFE College of Business Summer Conference (keynote speaker), Canadian Econometric Study Group, Asian Australasian Society of Labour Economics Meeting.

2023: West Indies Economic Conference, Dalhousie University, Global Risk Institute (Webex), European Social Science Genetics Network Conference, Fudan University, Central University of Finance and Economics, International Panel Data Conference, RWI – Leibniz-Institut für Wirtschaftsforschung, SOFI Stockholm University, Canadian Econometric Study Group, Asian Australasian Society of Labour Economics 2023 Conference and SUNY-Buffalo.

2022: ESA Special Meeting 2022 by JILAEE, CPP Online Conference on Retirement, Shanghai University of Finance and Economics Data Analytics (zoom), West Indies Economic Conference (zoom), NYU-Abu Dhabi Workshop on Bargaining: Theory and Experiment, Canadian Economics Association, Zhejiang Gongshang University (zoom), Annual Meeting of the Latin American and Caribbean Economic Association and Latin American Meeting of the Econometric Society, Asian Australasian Society of Labour Economics 2022 Conference, Seoul National University and University of Calgary.

2021: University of Toronto (zoom), CEA Annual Meeting (zoom), Canadian Econometric Study Group,

2020: University of Ottawa and Tilburg University (zoom).

2019: NYU-Abu Dhabi Conference on Statistical Issues in Experiments, CIRANO conference on Personalized Medicine, University of Alberta, CEA/CLEF Annual Meeting, Hong Kong University,

Hokkaido University, The 2019 International Panel Data Conference, University of Porto, Barcelona GSE Summer Forum, Canadian Econometric Study Group, Washington University in Saint Louis, IAB Workshop on Field Experiments in Policy Evaluation, Experimental Social Science Conference at Meiji Gakuin University and Asian and Australasian Society of Labour Economics 2019 Conference.

2018: Federal Reserve Bank of New York, Fudan University, Northeastern University, H2D2 Research Day at University of Michigan, Second Workshop on Empirical Research in Economics of Education in Reus, Financial Econometrics and New Finance Conference (Keynote speaker), ZEW Conference on Information and Communication Technologies, CEA/CLEF Annual Meeting, Association for Education Finance and Policy Annual Conference, University of Waterloo, University of Toronto, Canadian Econometric Study Group and National University of Singapore.

2017: NBER Cohort Studies, Carleton University, Syracuse University, The 2017 International Panel Data Conference, International Finance and Banking Society Conference, Global Need for Child Care Conference, Advances in Econometrics Conference, IZA Economics of Education conference, Annual Meeting of the Latin American and Caribbean Economic Association and Latin American Meeting of the Econometric Society and Journées Louis-André Gérard-Varet Conference.

2016: National University of Singapore, CEA/CLEF Annual Meeting, NYU Shanghai, NBER Cohort Studies, Econometric Society Australasia meetings, Canadian Econometric Study Group, University Technology Sydney, NBER Small Differences that Matter II Conference, Xiamen University and University of Georgia.

2015: Shanghai University of Finance and Economics, Wuhan University, CIREQ Conference on Health Economics, University of Calgary, Econometric Society World Congress, Ontario MTCU (Ministry of Training, College and Universities), SWUFE Workshop on Migration, Human Capital and Child/Youth Development, CLSRN Annual Conference, CEA Annual Conference and Health Canada Science Forum (Plenary Lecture).

2014: New York University, Québec Political Economy Conference, Beijing Normal University, Asian Meetings of the Econometric Society, CLSRN Annual conference, NYU Shanghai Symposium on Data Science and Applications, Ryerson University and CEA annual conference.

2013: McGill University, York University, University of Sydney, CLSRN Annual Conference, EPRI Conference on ICT Sector, CEA Annual Conference, ZEW and SEEK Workshop on Social Network Formation and Peer Effects, University of Melbourne, iHEA World Congress and University of Waterloo.

2012: Nanyang Technological University, University of Ottawa, NBER Cohort Studies Meeting, SWUFE-RIEM Conference in Empirical Microeconomics, Integrating Genetics and the Social Sciences Conference at University of Colorado-Boulder, University of Tokyo, University of Mannheim, CES-ifo Economic Studies and UCLS Conference on Families, children and human capital formation, IAB conference Field Experiments in Policy Evaluation and University of Toronto Interdisciplinary Symposium on the Mind.

2011: University of California-Berkeley, Hong Kong University, Chinese University of Hong Kong, Hong Kong University of Science and Technology, iHEA World Congress, CLSRN/SOLE Annual meeting, University of Toronto, IEB-Barcelona, Academia Sinica, National University of Taiwan, JDI Conference for Charlie Beach retirement, International Symposium on the Economics of Education (CUHK) and SWUFE-RIEM.

2010: NBER Economics of Education Program (Fall), Syracuse University, University of Manitoba, University of Mannheim, International Workshop on Applied Economics of Education, CLSRN Annual Conference, University of Porto, CEA Annual Conference, XIX Meeting of the Economics of Education Association, 3RD Annual International Conference in Industrial Organization and Management Strategy, Econometric Society World Congress, Queen's University, McMaster University, Carleton University, University of Oregon, JDI Economic Relations Between Children and Parents Conference, 2nd Annual Meeting on the Economics of Risky Behaviors (IZA) and 2nd Health Econometrics Workshop.

2009: AEA Annual Meetings, McGill University, Tilburg University, University of Guelph, Vrije University of Amsterdam, Statistics Denmark, IZA Workshop "Genes, Brains, and the Labor Market", CCES –Yale EGC TED conference @ Fudan, CEA Annual Conference and iHEA World Congress.

2008: Northwestern University, Brown University, University of Saskatchewan, University of Calgary, 14th NIMH Biennial Research Conference, Queen's University, University of Toronto (Munk Centre), AHEC Annual Conference at University of Chicago, University of Pittsburgh, University College London (IFS), Economics of Education Conference at Wilfrid Laurier University, Warwick University, Tinbergen Institute, SOLE Annual Meeting, Fudan University, Shanghai Forum, CLSRN Annual Conference and CEA Annual Conference.

2007: ESA Asia Pacific Meetings, PAA Annual Meeting, AHEC Annual Conference, Yale University, NBER Summer Institute, CLSRN Annual Conference, CLSRN Education and Training Conference, Public Health Insurance in the Americas: Towards Universal Coverage Conference, Simon Fraser University, University of British Columbia, IZA Conference on Work Life Balance, APPAM Annual Meeting and Shanghai Forum.

2006: ZEW Conference on Economic Evaluation, Fudan University, American Society of Health Economists Annual Meeting, Society of Labor Economics Annual Meeting, TARGET Conference on Education, Training and the Evolving Workplace, Canadian Economics Association Annual Meeting, Economics and Human Biology Conference and University of Illinois-Chicago

2005: NBER Summer Institute – Economics of Education Program, World Congress of the Econometric Society, Canadian Economic Association Annual Meeting, University of Toronto, Penn State University and Carnegie– Mellon University.

2004: North American Summer Meeting of the Econometric Society, NBER Education Program Meeting, University of Calgary, American Economic Association Annual Meeting, Federal Reserve Bank of Cleveland, Université Laval, Economics of Genetics Conference and Economics and Human Biology Conference.

2003: NBER Education Program Meeting, Harvard University, Harvard University, International Health Economics Association World Congress (2 papers), Queen's University, Simon Fraser University, Lehigh University, Canadian Economic Association Annual Meeting, Queen's University (School of Policy Studies), Concordia University, McGill University, University of North Carolina – Greensboro, Florida State University and University of South Florida

2002: North American Summer Meeting of the Econometric Society, American Economic Association Annual Meeting, Southern Economic Association Annual Meeting (2 papers), The Wharton School, University of Pennsylvania and University of Albany.

2001: JFK School of Government, Harvard University, University of Michigan (William Davidson Institute and Department of Economics), TPEDS Core (Graduate School of Public Health, University of Pittsburgh) Canadian Economics Association Annual Meeting, Tilburg University CENTER, Texas

A&M University, The Wharton School, University of Pennsylvania, Joseph L. Rotman School, University of Toronto, Université de Montréal, Ecole des Hautes Etudes Commerciales and Université du Québec à Montréal.

2000: World Congress of the Econometric Society (3 papers) and Public Choice / Economic Science Association Meetings (2 papers).

1999: Public Choice Economic Science Association Meetings, Carnegie Mellon University and University of Pittsburgh.

1998: Carnegie Mellon University.

OTHER

Languages: English (native language), French (very good) and Chinese (beginning)

APPEARANCES IN POPULAR PRESS

Available upon request

REFERENCES

Available upon request

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