

CURRICULUM VITAE

David A. Rivers

1. Personal Information

Department of Economics
Social Science Center
University of Western Ontario
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Canada

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Citizenship: USA, Canadian Permanent Resident

Current Position

Associate Professor
Department of Economics
University of Western Ontario

Major Fields of Concentration

Industrial Organization, Productivity, Economics of Crime, Applied Econometrics, Applied Microeconomics

Education

Degree	Field	Institution	Year
Ph.D.	Economics	University of Wisconsin-Madison	2010
M.S.	Economics	University of Wisconsin-Madison	2007
B.S.	Economics, Mathematics and Philosophy <i>Magna Cum Laude</i> High Honors in Economics	Vanderbilt University	2001

Dissertation

Title: Essays in Empirical Microeconomics
Completion Date: August 2010

Academic and Professional Experience

July 2018 – present	Associate Professor of Economics, Department of Economics, University of Western Ontario
July 2021 – present	Director, Centre for Human Capital and Productivity (CHCP)
April 2019 – May 2019	Visiting Fellow, Collegio Carlo Alberto
July 2010 – June 2018	Assistant Professor of Economics, Department of Economics, University of Western Ontario
April 2012 – June 2012	Visiting Fellow, Collegio Carlo Alberto
Jan. 2006 – May 2009	Project Assistant, University of Wisconsin-Madison
Aug. 2001 – July 2004	Research Analyst/Associate, Charles River Associates, Washington, D.C.

Academic Honors and Awards

2016-2017	University Students' Council Teaching Honour Roll, University of Western Ontario (<i>last year the award was offered</i>)
2015-2016	University Students' Council Teaching Honour Roll, University of Western Ontario
2012-2013	University Students' Council Teaching Honour Roll, University of Western Ontario
2011-2012	University Students' Council Teaching Honour Roll, University of Western Ontario
2010-2011	University Students' Council Teaching Honour Roll, University of Western Ontario
2009-2010	Alice Gengler Wisconsin Distinguished Fellowship in Economics, University of Wisconsin-Madison
2008	Christensen Award in Empirical Economics, University of Wisconsin-Madison
2007	Lerner Scholarship Award, University of Wisconsin-Madison
2004-2005	Wisconsin Alumni Research Foundation Fellowship, University of Wisconsin- Madison

2004-2005 Philip Loring Allen Fellowship, University of Wisconsin-Madison
 2001 Phi Beta Kappa, Vanderbilt University

2. Research and Scholarly Activities

Publications

(i) Articles in Refereed Journals

- Blum, Bernardo S., Sebastian Claro, Ignatius Horstmann, and David A. Rivers. "The ABCs of Firm Heterogeneity When Firms Sort into Markets: The Case of Exporters," *Journal of Political Economy*, 132(4), pp. 1162-1208.
- Gandhi, Amit, Salvador Navarro, and David A. Rivers. "On the Identification of Gross Output Production Functions," *Journal of Political Economy*, 128(8), pp. 2973-3016.
- Mastrobuoni, Giovanni, and David A. Rivers. 2019. "Optimizing Criminal Behavior and the Disutility of Prison," *The Economic Journal*, 129(619), pp. 1364-1399.
- Mancino, Maria Antonella, Salvador Navarro, and David A. Rivers. 2016. "Separating State Dependence, Experience, and Heterogeneity in a Model of Youth Crime and Education," *Economics of Education Review*, 54, pp. 274-305.
- Durlauf, Steven N., Salvador Navarro, and David A. Rivers. 2016. "Model Uncertainty and the Effect of Shall-Issue Right-to-Carry Laws on Crime," *European Economic Review*, 81, pp. 32-67.
- Durlauf, Steven N., Salvador Navarro, and David A. Rivers. 2010. "Understanding Aggregate Crime Regressions," *Journal of Econometrics*, 158(2), pp. 306-317.
- Durlauf, Steven N., Salvador Navarro, and David A. Rivers. 2008. "On the Use of Aggregate Crime Regressions in Policy Evaluation," in *Understanding Crime Trends*, A. Goldberger and R. Rosenfeld eds., Washington DC: National Academies Press.

Unpublished Work

(i) Articles Currently under Review at Refereed Journals

- Lenzu, Simone, Joris Tielens, and David A. Rivers. "Financial Shocks, Productivity, and Prices," *revision requested by the Review of Economic Studies*.
- Lester, Benjamin, David A. Rivers, and Giorgio Topa. "The Heterogeneous Impact of Referrals on Labor Market Outcomes," *revision requested by the Review of Economic Studies*.

Mastrobuoni, Giovanni, and David A. Rivers. “Criminal Discount Factors and Deterrence,” *reject and resubmit at the Review of Economic Studies*.

(ii) Mimeo

Gandhi, Amit, Salvador Navarro, and David A. Rivers. “How Heterogeneous is Productivity? A Comparison of Gross Output and Value Added,” working paper.

Rivers, David A. “Are Exporters More Productive than Non-Exporters?” working paper.

(iii) Work in Progress

Navarro, Salvador, and David A. Rivers. “Nonparametric Identification of Productivity in Nonseparable Production Functions.”

Blum, Bernardo, Sebastian Claro, Ignatius Horstmann, and David A. Rivers. “Ex-Post Merger Analysis using Production Data.”

Ramanarayanan, Ananth and David A. Rivers “Technology Choice, Capital Intensity, and Productivity.”

Research Grants

2020-2025	<p>“Empirical Methods and Analysis of Multidimensional Criminal Activity” Role: Principal Investigator Grant: Standard Research Grant Grantor: Social Sciences and Humanities Research Council of Canada Amount: CDN\$100,000 Responsibilities: Equal for all grant holders</p>
2017-2022	<p>“Empirical Methods for Studying Technical Efficiency, Productivity, and Competition” Role: Co-investigator with Salvador Navarro Grant: Standard Research Grant Grantor: Social Sciences and Humanities Research Council of Canada Amount: CDN\$137,000 Responsibilities: Equal for all grant holders</p>
2016-2022	<p>“Productivity, Firms and Incomes” Role: Co-applicant Grant: Partnership Grant Grantor: Social Sciences and Humanities Research Council of Canada Amount: CDN\$2,496,000</p>

	Responsibilities: Member of the Industry and Firm Analysis theme
2012-2017	<p>“Empirical Methods for the Analysis of Production Functions and Productivity”</p> <p>Role: Co-investigator with Salvador Navarro</p> <p>Grant: Standard Research Grant</p> <p>Grantor: Social Sciences and Humanities Research Council of Canada</p> <p>Amount: CDN\$263,000</p> <p>Responsibilities: Equal for all grant holders</p>
2012-2014	<p>“Patterns of Substitution and Complementarity in Crime”</p> <p>Role: Principal Investigator</p> <p>Grant: Insight Development Grant</p> <p>Grantor: Social Sciences and Humanities Research Council of Canada</p> <p>Amount: CDN\$28,000</p> <p>Responsibilities: Full responsibility</p>
2012	<p>“On the Identification of Production Functions: How Heterogeneous is Productivity?”</p> <p>Role: Principal Investigator</p> <p>Grant: Internal Conference Travel Grant</p> <p>Grantor: Social Sciences and Humanities Research Council of Canada</p> <p>Amount: CDN\$1,300</p> <p>Responsibilities: Full responsibility</p>

Presentations

(i) Invited Presentations

Productivity, Innovation, and Economic Growth Conference (Banff, AB), “Financial Shocks, Productivity, and Prices,” June 2024.

HEC Montreal-RIIB Conference on Industrial Organization (Montreal, QC) “The ABCs of Firm Heterogeneity: The Effects of Demand and Cost Differences on Exporting,” June 2019.

Third Workshop on the Applications of Industrial Organization: Estimating Productivity (Montreal, QC) “The Determinants of Exporting: Domestic Demand, Foreign Demand, and Productivity,” September 2018.

HCEO Conference on Crime and Inequality (Chicago, IL) “Criminal Discount Factors and Deterrence,” October 2017

NBER Summer Institute on Law and Economics (Cambridge, MA), “Criminal Discount Factors and Deterrence,” July 2017

Waterloo Economics Workshop (Waterloo, ON) “Criminal Discount Factors and Deterrence,”
March 2017

Southern Economic Association (Washington, DC) “On the Identification of Production
Functions: How Heterogeneous is Productivity?” November 2016

(ii) Conference Presentations and Professional Meetings

North American Productivity Workshop (Miami, FL) “The ABCs of Firm Heterogeneity when
Firms Sort into Markets: The Case of Exporters,” June 2023

International Industrial Organization Conference (Washington, DC) “The ABCs of Firm
Heterogeneity when Firms Sort into Markets: The Case of Exporters,” April 2023

NASM Econometric Society (Virtual) “Financial Shocks, Productivity, and Prices,” June 2021

International Industrial Organization Conference (Virtual) “Financial Shocks, Productivity, and
Prices,” May 2021

RCEA Growth, Innovation and Entrepreneurship Conference (Waterloo, ON) “Financial Shocks
and Productivity: Pricing Response and the TFPR-TFPQ Bifurcation,” September 2019

Allied Social Sciences Association Meetings: Econometric Society Session (Atlanta, GA),
“Nonparametric Identification of Productivity in Nonseparable Production Functions,”
January 2019

Society of Labor Economics (Raleigh, NC) “Criminal Discount Factors and Deterrence,” May
2017

American Society of Criminology (New Orleans, LA) “Criminal Discount Factors and
Deterrence,” November 2016

Canadian Law and Economics Association (Toronto, ON) “Criminal Discount Factors and
Deterrence,” September 2016

Empirical Microeconomics Workshop (Banff, AB) “Criminal Discount Factors and Deterrence,”
August 2016

NASM Econometric Society (Philadelphia, PA) “Criminal Discount Factors and Deterrence,”
June 2016

Canadian Econometrics Study Group (Guelph, ON) “On the Identification of Production
Functions: How Heterogeneous is Productivity?” September 2015

World Congress of the Econometric Society (Montreal, QC) “Model Uncertainty and the Effect
of Shall-Issue Right-to-Carry Laws on Crime,” August 2015

Canadian Economic Association (Montreal, QC) “On the Identification of Production Functions: How Heterogeneous is Productivity?” June 2013

NASM Econometric Society (Evanston, IL) “On the Identification of Production Functions: How Heterogeneous is Productivity?” June 2012

Society for Economic Dynamics (Limassol, Cyprus) “On the Identification of Production Functions: How Heterogeneous is Productivity?” June 2012

International Industrial Organization Conference (Arlington, VA) “On the Identification of Production Functions: How Heterogeneous is Productivity?” March 2012

International Industrial Organization Conference (Boston, MA) “Are Exporters More Productive than Non-Exporters?” April 2009

(iii) Conference Discussion

International Industrial Organization Conference (Washington, DC) “Firm-Level Prices, Quality, and Markups: The Role of Immigrant Workers,” by Giulia Sabbadini, April 2023.

HEC Montreal-Summer Conference on Industrial Organization (Montreal, QC) “Heterogeneous Firms: Skilled-Labor Productivity and the Destination of Exports,” by Jorge Balat, Irene Brambilla, and Yuya Sasaki, June 2022.

International Industrial Organization Conference (Virtual) “The Economics of Medical Procedure Innovation,” by David Dranove, Craig Garthwaite, Christopher Heard, and Bingxiao Wu, May 2021.

NBER Summer Institute on Crime (Cambridge, MA), “Do Handguns Make Us Safer? A State-level Synthetic Controls Analysis of Right-to-Carry Laws,” by John J. Donohue III, Abhay Aneja, and Kyle D. Weber, July 2015.

CIRPEE Conference on Industrial Organization (Montreal, QC), “A Structural Model of Demand, Cost, and Export Market Selection for Chinese Footwear Producers,” by Mark J. Roberts, Daniel Xu, Xiaoyan Fan, and Shengxing Zhang, July 2013.

Canadian Economic Association (Montreal, QC), “Identification and Counterfactuals in Dynamic Models of Market Entry and Exit,” by Victor Aguirregabiria and Junichi Suzuki, June 2013

International Industrial Organization Conference (Arlington, VA), “Prices, Markups and Trade Reform,” by Jan De Loecker, Pinelopi K. Goldberg, Amit K. Khandelwal, and Nina Pavcnik, March 2012

Allied Social Sciences Association Meetings: AEA Session (Denver, CO), “Export Entry and Exit: The Role of Capacity and Investment in Explaining Export Behavior,” by Bernardo Blum, Sebastian Claro, and Ignatius J. Horstmann, January 2011

(iv) Seminar Presentations

“Financial Shocks, Productivity, and Prices”

2023 University of Miami, Economics Department Seminar

“The ABCs of Firm Heterogeneity when Firms Sort into Markets: The Case of Exporters”

2022 University of Miami, Economics Department Seminar

2022 UNLV, Economics Department Seminar

2019 Collegio Carlo Alberto, Economics Department Seminar

2019 St. Louis Federal Reserve Bank, Research Seminar

2018 University of Georgia, Economics Department Seminar

2017 Bank of Canada, Research Seminar

2017 University of Kentucky, Economics Department Seminar

“Model Uncertainty and the Effect of Shall-Issue Right-to-Carry Laws on Crime”

2014 University of Toronto, Economics Department Seminar

“On the Identification of Production Functions: How Heterogeneous is Productivity?”

2012 Vanderbilt University, Economics Department Seminar

2012 University of Cambridge, Economics Department Seminar

2012 Collegio Carlo Alberto, Economics Department Seminar

2012 Aarhus University, Economics Department Seminar

2012 Tilburg University, Economics Department Seminar

2012 University of Michigan, Economics Department Seminar

“Are Exporters More Productive than Non-Exporters?”

2011 University of Calgary, Economics Department Seminar

2010 U.S. Department of Justice, Economics Department Seminar

2010 Federal Trade Commission, Economics Department Seminar

2010 University of Georgia, Economics Department Seminar

2010 University of Toronto, Economics Department Seminar

2010 University of Western Ontario, Economics Department Seminar

2010 University of Wisconsin-Madison, Economics Department Seminar

Editorial Duties

Associate Editor, *Journal of Productivity Analysis*, 2024 – present

Refereeing

(i) Journals

American Economic Journal: Applied Economics
American Economic Journal: Economic Policy
American Economic Journal: Microeconomics
American Journal of Agricultural Economics
B.E. Journal of Economic Analysis & Policy
Canadian Journal of Economics
Criminal Justice Review
Criminology
Econometrica
Economic Inquiry
Economic Journal
Economics Business Letters
Economics Letters
Economics of Education Review
European Economic Review
International Economic Review
International Journal of Industrial Organization
Journal of Applied Econometrics
Journal of Business and Economic Statistics
Journal of Econometrics
Journal of Economic Literature
Journal of Economics & Management Strategy
Journal of Human Resources
Journal of Industrial Economics
Journal of International Economics
Journal of Labor Economics
Journal of Law and Economics
Journal of Mathematical Economics
Journal of Political Economy
Journal of Productivity Analysis
Journal of Public Economics
Journal of Quantitative Criminology
Labour Economics
Oxford Bulletin of Economics and Statistics
RAND Journal of Economics
Review of Economics and Statistics
Review of Economics Studies

*Southern Economic Journal***(ii) Research Foundations**

Social Sciences and Humanities Research Council of Canada
FWO—Research Foundation, Flanders, Belgium

3. Teaching, Mentoring and Advising*Courses Taught***University of Western Ontario**

2024-2025	Economics 4400E-001	Senior Research Seminar in Economics (UG Honors)
2023-2024	Economics 9609A-001	Advanced Methods in Applied Economics (PhD)
2022-2023	Economics 9609A-001	Advanced Methods in Applied Economics (PhD)
2021-2022	Economics 9609A-001	Advanced Methods in Applied Economics (PhD)
2020-2021	Economics 9609A-001 Economics 9634A-001	Advanced Methods in Applied Economics (PhD) Industrial Organization I – Empirical (PhD)
2019-2020	Economics 9609A-001 Economics 9634A-001	Advanced Methods in Applied Economics (PhD) Industrial Organization I – Empirical (PhD)
2017-2018	Economics 3362B-001 Economics 9600L-001 Economics 9634B-001	Empirical Industrial Organization (UG Honors) PhD Review – Econometrics Industrial Organization I – Empirical (PhD)
2016-2017	Economics 3362B-001 Economics 9600L-001 Economics 9634B-001	Empirical Industrial Organization (UG Honors) PhD Review – Econometrics Industrial Organization I – Empirical (PhD)
2015-2016	Economics 3362G-001 Economics 9600A-001 Economics 9634B-001	Empirical Industrial Organization (UG Honors) PhD Review - Econometrics Industrial Organization I - Empirical (PhD)
2014-2015	Economics 9600A-001 Economics 9634B-001	PhD Review – Econometrics Industrial Organization I - Empirical (PhD)
2013-2014	Economics 9600A-001	PhD Review - Econometrics

2012-2013	Economics 3362G-001 Economics 4400E-001 Economics 9600A-001 Economics 9634B-001	Empirical Industrial Organization (UG Honors) Senior Seminar in Economic Policy (UG Honors) PhD Review - Econometrics Industrial Organization I – Empirical (PhD)
2011-2012	Economics 3362G-001 Economics 9634A-001 Economics 9754A/9854A Economics 9755B/9855B	Empirical Industrial Organization (UG Honors) Industrial Organization I (PhD) Applied Economics/Econometrics Workshop (PhD) Applied Economics/Econometrics Workshop (PhD)
2010-2011	Economics 4496G-001 Economics 9634B-001	Special Topics – Economics (UG Honors) Industrial Organization I - Empirical (PhD)

University of Wisconsin-Madison - Teaching Assistant

2008	Economics 310	Statistics: Measurement in Economics (UG)
2005-2006	Economics 101	Principles of Microeconomics (UG)

Graduate Supervision

(i) Ph.D. Thesis Supervisor

David Fieldhouse (co-supervisor)	“Essays on Innovation and Consumer Credit” Completed: 2014 Placement: Moody’s Analytics, Philadelphia
Zhuang Liu (co-supervisor)	“Essays on the Economics of Digital Piracy” Completed: 2019 Placement: Charles River Associates, Boston
Cecilia Diaz Campo	“Dynamic Moral Hazard in Nonlinear Health Insurance Contracts” Completed: 2022 Placement: Washington University in St. Louis, Olin Business School
Emmanuel Murray Leclair	“Input Efficiency and Discrete Energy Choice” Completed: 2024 Placement: University of Melbourne; University of Chicago (one year post-doc)
Curtis Aquino (co-supervisor)	“Heterogeneity in Plant-Level Productivity and Importing Behavior”

Charlotte Ursenbach (co-supervisor) “Productivity Estimation with Nonclassical Measurement Error”

F. Javier Martinez Hernandez “Knowledge Spillovers and the Evolution of Productivity”

(ii) Ph.D. Thesis Committee Member

Charles Gauthier “Identification with Rationally Bounded Agents.”
Completed: 2022
Placement: Université Libre de Bruxelles

Aldo Sandoval Hernandez “Essays on Firm Dynamics and International Trade”
Completed: 2021
Placement: University of Sussex

Zinaida Kalinina-Foltin “Peer Effects in MBA Class”
Completed: 2021
Placement: Social Research and Demonstration Corporation

Diego Salazar “Unraveling the Criminal Path: The Role of Punishment and Human Capital Accumulation in Explaining Criminal Trajectories.”
Completed: 2020
Placement: National University of Singapore

Maria Antonella Mancino “Understanding Transitions between Criminal and Legal Labor Markets”
Completed: 2018
Placement: Wilfrid Laurier University

Wenya Wang “Firm Investment Dynamics and Misallocation in China”
Completed: 2017
Placement: Shanghai University of Finance and Economics

Kai Xu “Essays on International Trade”
Completed: 2011
Placement: Zhejiang University

(iii) Ph.D. Summer Paper Advisor

Juan Holguin “Efficiency Effects of Tax Reform in India and the Interaction with Vertical Integration Decisions”
2023

Emmanuel Murray Leclair	“Asymmetric Environmental Regulation, Interfuel Substitution and Carbon Leakage” 2020
Charlotte Ursenbach	“Productivity Estimation with Nonclassical Measurement Error in Capital” 2020
F. Javier Martinez Hernandez	“Neighborhood-level Crime Deterrence in Mexico City” 2020
Cecilia Diaz Campo	“Dynamic Moral Hazard in Nonlinear Health Insurance Contracts” 2018
Zhuang Li	“Effects of File Sharing on Movie Box Office” 2015
Andrew Naaum	“Crime and Education by Gang Membership” 2014
Diego Salazar	“Thinking About Group Participation and Criminal Behavior” 2014
Ekaterina Sharonova	“Learning by Exporting: The Effect of Exports on Strategic Innovation Decisions and Productivity” 2013
Olga Bilyk	“Input Markets Frictions and Firm Performance in Transition Countries” 2013

(iv) Ph.D. Examining Board Participation

Meng Qi (Annie) Ding	“Online Content Design with Unstructured Data” Ivey Business School, University of Western Ontario, 2024
Jun Hyun (Joseph) Ryoo	“Essays on Information Asymmetry and Leakage” Ivey Business School, University of Western Ontario, 2021
Nhial Nathaniel Kuch	“Essays in Firm-level Productivity, Mortgage Policy Reform and Intellectual Property Protection” Queens University, 2021
Eduardo Ferraz	“Socially Optimal Crime and Punishment”

	Sao Paulo School of Economics – FGV, 2018
Angelos Theodorakopoulos	“Internationalisation and Firm Performance” Ghent University, 2017
Mihaela Alina Nastasoiu	“Evaluating Loyalty Programs with Endogenous Redemption” Ivey Business School, University of Western Ontario, 2016

4. Service

University Administrative Duties

(i) Department of Economics, University of Western Ontario

Director of Graduate Studies	2023-present
Director, Centre for Human Capital and Productivity (CHCP)	2021-present
Member, Workload Committee	2021-2022
Member, Appointments Committee	2010-2011, 2011-2012, 2014-2015, 2019-2020, 2022- 2023
Director, Applied Economics/Econometrics Workshop	2011-2012, 2017-2018
PhD Comprehensive Exam Committee	2020-2021
Committee on Academic Policy	2019-2020
Member, Graduate Studies Awards Committee	2015-2016, 2016-2017, 2017-2018, 2020-2021, 2021- 2022 (chair)
Faculty Member-at-Large, Graduate Affairs Committee	2012-2013, 2014-2015, 2016-2017
Co-Director, Economics Alumni Portal	2012-2013

Conference Organization

North American Productivity Workshop 2023 (Coral Gables, FL), <i>special session organizer</i>	2023
North American Summer Meetings of the Econometric Society (Montreal, QC), <i>scientific committee member</i>	2021
International Association for Applied Econometrics Annual Conference (Rotterdam, The Netherlands), <i>scientific committee member</i>	2021
North American Productivity Workshop XI (Coral Gables, FL), <i>session organizer</i>	2020
International Association for Applied Econometrics Annual	2020

Conference (London, UK), <i>scientific committee member</i>	
International Association for Applied Econometrics Annual Conference (Nicosia, Cyprus), <i>scientific committee member</i>	2019
North American Winter Meetings of the Econometric Society (Atlanta, GA), <i>session organizer</i>	2019
Conference on Firm-level Productivity (London, ON), <i>co-organizer</i>	2014

Press

Mastrobuoni, Giovanni, and David A. Rivers. “Criminal Discount Factors and Deterrence,”
working paper.

Featured by *The Economist*, March 29, 2016

Featured by *Indian Newslink*, July 12, 2017.

Mastrobuoni, Giovanni, and David A. Rivers. 2019. “Optimizing Criminal Behavior and the
Disutility of Prison,” forthcoming, *The Economic Journal*.

Featured by *Marginal Revolution*, May 29, 2017.

Featured by *Quartz*, June 1, 2017.