

CURRICULUM VITAE

David A. Rivers

1. Personal Information

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Social Science Center
University of Western Ontario
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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 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
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

Gandhi, Amit, Salvador Navarro, and David A. Rivers. "On the Identification of Gross Output Production Functions" conditionally accepted by the *Journal of Political Economy*.

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

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

(ii) Mimeos

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

Mastrobuoni, Giovanni, and David A. Rivers. "Criminal Discount Factors and Deterrence," working paper. Featured by *The Economist*, March 29, 2016.

Blum, Bernardo S., Sebastian Claro, Ignatius Horstmann, and David A. Rivers. "The Determinants of Exporting: Domestic Demand, Foreign Demand, and Productivity," 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 and Estimation of the Bias of Technological Change.”

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

Lester, Benjamin, David A. Rivers, and Giorgio Topa. “Job Referrals and Skills.”

Research Grants:

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

2012 “On the Identification of Production Functions: How Heterogeneous is Productivity?”
 Role: Principal Investigator
 Grant: Internal Conference Travel Grant
 Grantor: Social Sciences and Humanities Research Council of Canada
 Amount: CDN\$1,300
 Responsibilities: Full responsibility

Presentations:

(i) Invited Presentations

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

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, QB) “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

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**“The Determinants of Exporting: Domestic Demand, Foreign Demand, and Productivity”**

2018 University of Georgia, Economics Department Seminar (scheduled)
 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

Refereeing:**(i) Journals**

American Economic Journal: Economic Policy
American Journal of Agricultural Economics
B.E. Journal of Economic Analysis & Policy
Criminology
Econometrica
Economic Inquiry
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 Economics & Management Strategy
Journal of Human Resources
Journal of Industrial Economics
Journal of Labor Economics
Journal of Law and Economics
Journal of Mathematical Economics
Journal of Productivity Analysis
Journal of Public Economics
Journal of Quantitative Criminology
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

2016-2017	Economics 3362G-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

(ii) Ph.D. Thesis Committee Member

Aldo Sandoval Hernandez “TBD”
 Expected completion: 2020

Shannon Potter “TBD”
 Expected completion: 2020

Zhuang Li “Effects of Digital Piracy on Sales, Entry, and Welfare in the Motion Picture Industry”
 Expected completion: 2019

Diego Salazar “Unraveling the Criminal Path: The Role of Punishment and Human Capital Accumulation in Explaining Criminal Trajectories.”
 Expected completion: 2019

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

Zinaida Kalinina-Foltin “Peer Effects in MBA Class”
 Expected completion: 2018
 Placement: Social Research and Demonstration Corporation

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

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

Eduardo Ferraz	“Socially Optimal Crime and Punishment” Sao Paulo School of Economics - FGV, 2018
Angelos Theodorakopoulos	“Internationalisation and Firm Performance” Ghent University, External Examiner, 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

Member, Graduate Studies Awards Committee	2015-2017
Member, Appointments Committee	2014-2015, 2010-2012
Faculty Member-at-Large, Graduate Affairs Committee	2014-2016, 2010-2013
Co-Director, Economics Alumni Portal	2012-2013
Director, Applied Economics/Econometrics Workshop	2011-2012, 2017-2018

Conference Organization

Conference on Firm-level Productivity (London, ON), co-organizer	2014
Conference session on Firm-level Productivity for North American Winter Meetings of the Econometric Society (Atlanta, GA)	2019

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.