

**CURRICULUM VITAE**  
**STEPHEN P. RYAN**

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**CONTACT**

Olin Business School  
Washington University in St. Louis  
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One Brookings Drive  
St. Louis, MO 63130

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**PERSONAL**

Nationality: USA  
Date of Birth: November 1, 1977  
Married with two children (2015, 2017)

**EDUCATION**

May 2005 PhD in Economics, Duke University, Durham, NC.  
Primary Adviser: Patrick Bajari  
Dissertation: The Costs of Environmental Regulation in a Concentrated Industry  
May 1999 BA in Economics, Honors Baccalaureate, Virginia Tech, Blacksburg, VA.  
May 1999 BA in Chemistry, Virginia Tech, Blacksburg, VA.

## RESEARCH INTERESTS

Industrial Organization, Applied Microeconometrics, Dynamic Games, Environmental Regulation, Health Economics

## PROFESSIONAL AND ACADEMIC EXPERIENCE

2022—present Senior Associate Dean of Doctoral Programs, Olin Business School  
2020—present Myron Northrop Professor of Economics, Olin Business School  
Washington University in St. Louis  
2018—present Professor of Economics (by courtesy), Department of Economics  
School of Arts and Sciences, Washington University in St. Louis  
2017—present Director, CESifo Economics of Digitization  
2016—2020 Professor of Economics, Olin Business School, Washington University in St. Louis  
2012—2016 Associate (with tenure) Professor of Economics, University of Texas at Austin  
2012—present NBER Research Associate (IO, EEE)  
2010—2012 Associate (without tenure) Professor of Economics, MIT  
Spring 2008 Visiting scholar, Northwestern University  
Winter 2007 Visiting scholar, ZEW, University of Mannheim  
2006—2012 NBER Faculty Research Fellow (IO, EEE)  
2008—2010 Silverman 1968 Family Career Development Assistant Professor of Economics, MIT  
2005—2008 Assistant Professor of Economics, MIT  
2000—2004 Teaching Assistant and Instructor, Duke University

## EDITORIAL POSITIONS

2014—present Associate Editor, Quantitative Marketing and Economics  
2013—2021 Co-Editor, International Journal of Industrial Organization  
2005—2013 Associate Editor, International Journal of Industrial Organization

## WORKING PAPERS

1. Moment Forests (formerly: Classification Trees for Heterogeneous Moment-Based Models), with Denis Nekipelov and Paul Novosad, Spring 2022, reject and resubmit, *Journal*

*of Econometrics.*

2. Model Selection and Semiparametric Estimation, with Denis Nekipelov, in progress.
3. Demand for Affordable Care Act Plans, with Maria Polyakova, Spring 2017, in progress.
4. Subsidy Targeting and Market Power (formerly: Subsidy Tagging and Market Power in Privately-Provided Health Insurance Markets), with Maria Polyakova, Spring 2023, under revision.
5. The Value of a Statistical Life: Evidence from Military Retention Incentives and Occupation-Specific Mortality Hazards, with Kyle Greenberg, Michael Greenstone, and Michael Yankovich, Spring 2023, under revision.

## **PUBLICATIONS**

1. Linear Regression Estimation of Discrete Choice Models with Nonparametric Distributions of Random Coefficients, with Patrick Bajari and Jeremy Fox, *American Economic Review: Papers and Proceedings*, Vol. 97, No. 2, May 2007, pp. 459–63.
2. Evaluating Wireless Consolidation Using Semiparametric Demand Estimation, with Patrick Bajari and Jeremy Fox, *Quantitative Marketing and Economics*, Vol. 6, No. 4, December 2008, pp. 299–338 (lead article).
3. Identification and Estimation of a Discrete Game of Complete Information, with Patrick Bajari and Han Hong, *Econometrica*, Vol. 78, No. 5 (September 2010), 1529–1568.
4. Heterogeneity and the Dynamics of Technology Adoption, with Catherine Tucker, *Quantitative Marketing and Economics*, Volume 10, Issue 1 (2012), pp. 63–109.
5. A Simple Estimator for the Distribution of Random Coefficients, with Jeremy Fox, Kyoo-il Kim, and Patrick Bajari, *Quantitative Economics*, Vol.2, No. 3 (2011), pp. 381–418.
6. The Random Coefficients Logit Model is Identified, with Patrick Bajari, Jeremy Fox, and Kyoo-il Kim, *Journal of Econometrics*, February 2012, Vol. 166, No. 2, pp. 204–212.

7. The Costs of Environmental Regulation in a Concentrated Industry, *Econometrica*, Vol. 80, No. 3, May 2012, pp. 1019–1061.
8. Incentives Work: Getting Teachers to Go to School, with Esther Duflo and Rema Hanna, *American Economic Review*, Volume 102, Issue 4, June 2012, pp. 1241–78.
9. Selection on Moral Hazard in Health Insurance, with Liran Einav, Amy Finkelstein, Paul Schrimpf, and Mark Cullen, *American Economic Review*, Volume 103, Issue 1, February 2013, pp. 178–219.
10. Market-based Emissions Regulation and Industry Dynamics, with Meredith Fowlie and Mar Regaunt, *Journal of Political Economy*, Vol. 124, No. 1, 2016, pp. 249–302.
11. Machine Learning Methods for Demand Estimation, with Patrick Bajari, Denis Nekipelov, and Miayou Yang, *American Economic Review: Papers and Proceedings*, 2016, Vol. 105, No. 5, pp. 481–85.
12. Subsidy Design in Privately-Provided Social Insurance: Lessons from Medicare Part D, with Francesco Decarolis and Maria Polyakova, *Journal of Political Economy*, May 2020, Vol. 128, No. 5. (formerly titled “The Welfare Effects of Supply-Side Regulations in Medicare Part D”)
13. Expanding Educational Opportunities in Remote Parts of the World: Evidence from a RCT of a Public-Private Partnership in Pakistan, with Felipe Barrera-Osorio, David S. Blakeslee, Matthew Hoover, Leigh L. Linden, and Dhushyanth Raju, *Review of Economics and Statistics*, forthcoming.

## ADVISING

- Mar Reguant (2011, Stanford GSB)
- Brad Larsen (2013, Stanford Economics)
- Brad Shapiro (2014, Chicago Booth GSB)
- Maria Polyakova (2014, Stanford Health)
- Tom Roderick (2014, Chase Bank)

- Brett Hollenbeck (2014, UCLA Anderson)
- Nicholas Buchholz (2016, Princeton)
- Yaran Jin (2017, Ford Motor Company EV Analytics)
- Chuan Chen (2019, University of Wisconsin post-doc)
- Yuan Huang (2022, Amazon)
- Gungbin Piao (expected 2024)
- Charlie An (expected 2023)
- David Schwartzman (2023)
- Hailey Wabiszewski (expected 2024)
- Lyn Hussey (expected 2025)

## **REFeree EXPERIENCE**

Journal of Business and Economic Statistics, Econometrica, American Economic Review, RAND Journal of Economics, Marketing Science, International Journal of Industrial Organization, Review of Economic Studies, International Economic Review, Journal of Applied Econometrics, Journal of Human Resources, Quarterly Journal of Economics, Journal of Political Economy

## **HONORS AND AWARDS**

Review of Economic Studies Tour, 2005

Zellner Thesis Award in Business and Economic Statistics, Honorable Mention, 2006

SHASS Research Fund grant, 2006

NET Institute Research grant, 2006

SHASS Research Fund grant, 2007

NSF SES-0922401, with Meredith Fowlie, 2009–2013

Levitán Teaching Prize in the School of Humanities, Arts, and Sciences, 2010

MIT GEA Graduate Student Adviser of the Year, 2011–2012  
NSF Review Panel, Spring 2014, Fall 2014, Spring 2015, Fall 2015  
NSF SES-1357705, with Francesco Decarolis and Maria Polyakova, 2014–2016  
AHRQ R03HS024800, with Maria Polyakova, 2016–2018  
Reid Teaching Award, Full-time MBA, 2019  
Review of Economics Studies Excellence in Refereeing Award, 2019  
Reid Teaching Award, Professional MBA-Elective, 2021  
Reid Teaching Award, Full-time MBA Elective, 2022

## INVITED PRESENTATIONS

**2004** University of Illinois, Urbana-Champaign

**2005** Harvard University, John F. Kennedy School of Government, Princeton University, Kellogg School of Management, University of Chicago, Clemson University, University of Arizona, Arizona State University, University of Minnesota, MIT, University of Maryland, Brown University, CRES Industrial Organization Conference at Washington University in St. Louis, Econometric Society World Congress (London)

**2006** University of California—Berkeley, Boston University, Mannheim University, Central European University, Minnesota Applied Microeconomics Conference, University of Pennsylvania—Wharton, Quantitative Marketing and Economics Conference (Stanford), MIT, University of Wisconsin

**2007** Dartmouth Tuck Winter IO Conference, Toulouse Conference on the Economics of the Software and Internet Industries, NBER IO Winter Meetings, University of Texas—Austin, Pennsylvania State University, Johns Hopkins University, Federal Reserve Bank of Minneapolis, University of Mannheim, Columbia University, University of Munich

**2008** ZEW Invited Lectures on the Econometrics of Dynamic Games, University of Chicago GSB Marketing, London School of Economics, University of Virginia, Northwestern Univer-

sity, European Competition Commission, Yale University, MIT

**2009** CEMFI, Invited Short Course at LMU (Munich), Invited Short Course at Pontificia Universidad Catolica de Chile, Chicago Booth

**2010** University of California–Berkeley, NYU Stern, University of Alicante, 2010 University of Munich Workshop on Natural Experiments and Field Experiments, Invited Short Course at LMU (Munich), Texas A&M University, University of Michigan, MIT, University of California–Berkeley Haas Marketing

**2011** Harvard University, University of Pennsylvania–Wharton, University of Texas at Austin, NBER IO Winter Meetings (Stanford), NBER IO Summer Meetings (Cambridge), Pontificia Universidad Catolica de Chile, Ohio State, Rochester, Carnegie Mellon (Tepper Economics), Amherst College, Boston College, University of California–Berkeley

**2012** Arizona State University, Stanford GSB, University of Georgia, Rice, University of Houston, 2012 University of Munich Workshop on Natural Experiments and Field Experiments

**2013** University of Texas at Austin, Carnegie Mellon (Tepper Economics), Carnegie Mellon (Engineering and Public Policy), Washington University, Duke University, University of Regensburg, LMU (Munich), 2013 University of Munich Workshop on Natural Experiments and Field Experiments, 2013 Southern Economic Association Meetings, 2013 Chilean Industrial Organization Conference (plenary talk)

**2014** Congressional Budget Office, Princeton University, NBER IO/EEE Winter Meetings (Stanford), Rice University, New York University, 2014 Harrington Fellows IO Conference, 2014 University on Munich Workshop of Natural Experiments and Field Experiments, Cornell University, Northwestern Kellogg, University of Pennsylvania Wharton, University of California at Santa Barbara

**2015** NBER IO/Insurance Winter Meetings (Stanford), Columbia University, Olin Business School at Washington University in St. Louis (twice), Vanderbilt University, University of Georgia, Penn State, Yale University

**2016** Purdue University, University of Chicago Booth, Invited Course at EBE Summer School (Ammersee, DE), 2016 University on Munich Workshop of Natural Experiments and Field Experiments, Princeton University, Washington University in St. Louis, University of Colorado, University of Wisconsin–Madison, Hertie School of Governance (Berlin, DE), Invited Short Course at DIW (Berlin, DE)

**2017** University of California–Davis, LMU (Munich), 2017 Natural Experiments and Controlled Field Studies / Credible Identification and Structural Modeling (Munich), McFadden Festschrift at USC, 2017 Workshop on Quantitative Marketing and Structural Econometrics, Olin Business Roundtable, University of Connecticut, Yale University, Federal Trade Commission, Penn/Fed Workshop on Machine Learning, Wharton Business School, London School of Economics, CESifo Short Course on Machine Learning in Economics, Monsanto, Indiana University Bloomington

**2018** Washington University in St. Louis, Invited Short Course at DIW (Berlin, DE), Invited Course at EBE Summer School (Munich, DE), Rice University

**2019** Rochester Simon, University of Notre Dame, Stony Brook University, University of Toronto, Maryland, Department of Justice

**2020** MIT

**2021** NYU Stern, Brown University, University of Georgia, Emory University, Princeton University



## CONFERENCES

2006 Dartmouth Tuck Winter IO Conference (discussant), 2006 International Industrial Organization Conference (presenter and discussant), 2006 Society for Economic Dynamics Meetings (presenter), 2006 NBER Environmental Economics Summer Meetings (discussant), 2007 International Industrial Organization Conference (presenter and discussant), 2007 Australasian Meeting of the Econometric Society (presenter), 2007 Quantitative Marketing and Economics Conference (discussant), 2008 NBER Winter IO Meetings (discussant), 2008 Far Eastern Meetings of the Econometric Society (presenter), 2008 CITE Meetings (presenter), 2009 International Industrial Organization Conference (presenter and discussant), 2009 Center for Study of Auctions, Procurement, and Competition Policy at Penn State (discussant), 2010 American Economic Association Meetings (session organizer, presenter), 2010 Econometric Society World Congress (program committee), 2011 American Economic Association Meetings (discussant), 2011 International Industrial Organization Conference (discussant), 2011 Spring CEEPR Conference (presenter), 2011 Society for Economic Dynamics Meetings (conference organizer, presenter), 2011 Cowles Foundation Summer Conference (presenter), 2011 Latin American Meeting of the Econometric Society (presenter), 2012 STATA Conference (presenter), 2013 International Industrial Organization Conference (discussant), 2014 CRES Microeconomics Conference at Washington University in St. Louis (discussant), 2015 cemmap Empirical Models of Differentiated Products Workshop (presenter), 2015 Lancaster University Conference on Auctions, Competition, Regulation, and Public Policy (presenter), 2015 Western Economic Association Meetings (presenter and discussant), 2016 Missouri Valley Economic Association (presenter and discussant), 2017 Econometric Society Winter Meetings (presenter), 2017 Econometric Society Summer Meetings (presenter), 2017 Annual Health Econometrics Workshop (organizer and presenter), 2017 CESifo Digitization Conference (organizer and presenter), 2018 CESifo Digitization Conference (organizer), 2018 University of Southern California, 2019 CESifo Digitization Conference (organizer), 2020 CESifo Digitization Conference (organizer), 2021 American Social Science Association (discussant), 2022 UCLA IO Mini-Conference (presenter), 2022 Stanford CITE (presenter), 2023 NBER Industrial Organization (discussant)