

**Peter Arcidiacono**  
**March 2017**

**Address**

Department of Economics  
201A Social Science  
Duke University  
Durham, NC 27708-0097  
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**Employment and Affiliations**

Duke University  
Full Professor, July 2010-present  
Associate Professor (with tenure), July 2006-June 2010  
Assistant Professor, September 1999-June, 2006

National Bureau of Economic Research  
Research Associate, 2008-present

IZA Research Fellow, September 2015-present

**Education**

Ph.D. in Economics, University of Wisconsin, Madison, WI, August 1999.

B.S. in Economics, Willamette University, Salem, OR, May 1993.

**Published and Forthcoming Articles** (\*=not refereed)

"Finite Mixture Distributions, Sequential Likelihood, and the EM Algorithm," (joint with John B. Jones at SUNY-Albany), *Econometrica*, Vol. 71, No.3 (May, 2003), 933-946

"The Dynamic Implications of Search Discrimination," *Journal of Public Economics*, Vol. 87, Nos.7-8 (August, 2003), 1681-1707

"Paying to Queue: A Theory of Locational Differences in Nonunion Wages," (joint with Tom Ahn), *Journal of Urban Economics*, Vol. 55, No. 3 (May 2004), 564-579

"Ability Sorting and the Returns to College Major," *Journal of Econometrics*, Vol. 121, Nos. 1-2 (August, 2004), 343-375

"Peer Effects in Medical School," (joint with Sean Nicholson) *Journal of Public Economics*, Vol. 89, Nos. 2-3 (February, 2005), 327-350

"Do People Value Racial Diversity? Evidence From Nielsen Ratings" (joint with Eric Aldrich and Jacob Vigdor), *Topics in Economic Analysis and Policy*, Vol. 5, No. 1 (2005), Article 4

- “Affirmative Action in Higher Education: How do Admission and Financial Aid Rules Affect Future Earnings?” *Econometrica*, Vol. 73, No. 5 (September, 2005), 1477-1524
- “Games and Discrimination: Lessons from the Weakest Link,” (joint with Kate Antonovics and Randy Walsh), *Journal of Human Resources*, Vol. 40, No.4 (Fall, 2005)
- “Living Rationally Under the Volcano? An Empirical Analysis of Heavy Drinking and Smoking,” (joint with Holger Sieg at Carnegie Mellon and Frank Sloan) *International Economic Review*, Vol. 48, No. 1 (February 2007)
- “The Economic Returns to an MBA,” (joint with Jane Cooley and Andrew Hussey) *International Economic Review*, Vol. 49, No.3 (August 2008), 873-899
- “The Effects of Gender Interactions in the Lab and in the Field,” (joint with Kate Antonovics and Randy Walsh) *Review of Economics and Statistics*, Vol. 91, No. 1 (February 2009)
- “Explaining Cross-Racial Differences in Teenage Labor Force Participation: Results from a General Equilibrium Search Model” (joint with Tom Ahn, Alvin Murphy and Omari Swinton) *Journal of Econometrics*, Vol. 156, No. 2 (May 2010)
- “Does The River Spill Over? Estimating the Economic Returns to Attending a Racially Diverse College” (joint with Jacob Vigdor) *Economic Inquiry*, Vol. 47, No. 3 (July 2010)
- “The Distributional Effects of Minimum Wage Increases when Both Labor Supply and Labor Demand are Endogenous” (joint with Tom Ahn and Walter Wessels) *Journal of Business and Economic Statistics*, Vol. 29, No. 1 (January 2011), 12-23
- “Beyond Signaling and Human Capital: Education and the Revelation of Ability” (joint with Pat Bayer and Aurel Hizmo) *AEJ: Applied Economics*, Vol. 2, No. 4 (October 2010), 76-104
- “Representation versus Assimilation: How do Preferences in College Admissions Affect Social Interactions?” (joint with Shakeeb Khan and Jacob Vigdor) *Journal of Public Economics*, Vol. 95, No. 1-2 (February 2011), 1-15.
- “Practical Methods for Estimation of Dynamic Discrete Choice Models” (joint with Paul Ellickson) *Annual Review of Economics Volume 3*, September 2011, 363-394
- “Conditional Choice Probability Estimation of Dynamic Discrete Choice Models with Unobserved Heterogeneity” (joint with Bob Miller) *Econometrica*, Vol. 7, No. 6 (November 2011), 1823-1868 (formerly titled “CCP Estimation of Dynamic Discrete Choice Models with Unobserved Heterogeneity”)

- “Does Affirmative Action Lead to Mismatch? A New Test and Evidence” (joint with Esteban Aucejo, Hanming Fang, and Ken Spenner) *Quantitative Economics* Vol. 2, No. 3 (November 2011), 303-333
- “Modeling College Major Choice using Elicited Measures of Expectations and Counterfactuals” (joint with Joe Hotz and Songman Kang) *Journal of Econometrics* Vol. 166, No. 1 (January 2012), 3-16
- “Habit Persistence and Teen Sex: Could Increased Access to Contraception have Unintended Consequences for Teen Pregnancies?” (joint with Ahmed Khwaja and Lijing Ouyang) *Journal of Business and Economic Statistics*, Vol. 30, No. 2 (November 2012), 312-325.
- “What Happens After Enrollment? An Analysis of the Time Path of Racial Differences in GPA and Major Choice” (joint with Esteban Aucejo and Ken Spenner) *IZA: Journal of Labor Economics*, Vol. 1, No. 5 (October 2012)
- “Estimating Spillovers using Panel Data, with an Application to the Classroom” (joint with Jennifer Foster, Natalie Goodpaster, and Josh Kinsler) *Quantitative Economics*, Vol. 3, No. 3 (November 2012), 421-470.
- “Pharmaceutical Followers” (joint with Paul Ellickson, Peter Landry, and David Ridley) *International Journal of Industrial Organization*, Vol. 3, No. 5 (September 2013), 538-553 *Winner of the 2014 IJIO Best Paper Award*
- “Racial Segregation Patterns in Selective Universities” (joint with Esteban Aucejo, Andrew Hussey, and Ken Spenner) *Journal of Law Economics*, Vol. 56 (November 2013)
- “Approximating High Dimensional Dynamic Models: Sieve Value Function Iteration” (joint with Pat Bayer, Federico Bugni, and Jon James) *Advances in Econometrics*, Vol. 51 (December 2013), 45-96
- “Race and College Success: Evidence from Missouri” (joint with Cory Koedel) *AEJ: Applied Economics*, Vol. 6 (July 2014), 20-57
- “Affirmative Action and University Fit: Evidence from Proposition 209” (joint with Esteban Aucejo, Patrick Coate, and Joe Hotz) *IZA: Journal of Labor Economics*, Vol. 3, No. 7 (September 2014)
- \*“A Conversation of the Nature, Effects, and Future of Affirmative Action in Higher Education Admissions” (joint with Thomas Espenshade, Stacy Hawkins, and Richard Sander) *University of Pennsylvania Journal of Constitutional Law*, 17:3 (February 2015), 683-728.
- “Exploring the Racial Divide in Education and the Labor Market through Evidence from Interracial Families” (joint with Andrew Beauchamp, Marie Hull, and Seth Sanders) *Journal of Human Capital*, 9:2 (Summer 2015), 198-238.
- “Affirmative Action in Undergraduate Education” (joint with Michael Lovenheim and Maria Zhu) *Annual Review of Economics*, Vol. 7 (August 2015), 487-518

- “University Differences in the Graduation of Minorities in STEM Fields: Evidence from California” (joint with Esteban Aucejo, and V. Joseph Hotz) *American Economic Review*, Vol. 106, No. 3 (March 2016), 525-562
- “Affirmative Action and the Quality-Fit Tradeoff” (joint with Michael Lovenheim) *Journal of Economic Literature*, 54(1) (March 2016), 3-51
- “Terms of Endearment: An Equilibrium Model of Sex and Matching” (joint with Andrew Beauchamp and Marjorie McElroy) *Quantitative Economics*, 7(1) (March 2016), 117-156
- “The Analysis of Field Choice in College and Graduate School: Determinants and Wage Effects” (joint with Joe Altonji and Arnaud Maurel) *Handbook of the Economics of Education Vol. 5, Chapter 7* (May 2016)
- “Estimation of Dynamic Discrete Choice Models in Continuous Time with an Application to Retail Competition” (joint with Pat Bayer, Jason Blevins, and Paul Ellickson) *Review of Economic Studies*, 83(3) (July 2016), 889-931
- “Productivity Spillovers in Team Production: Evidence from Professional Basketball” (joint with Josh Kinsler and Joe Price) *Journal of Labor Economics*, 35(1) (January 2017), 191-225

### **Unpublished Papers**

- “Identifying Dynamic Discrete Choice Models off Short Panels” (joint with Bob Miller) revise and resubmit *Journal of Econometrics*
- “College Attrition and the Dynamics of Information Revelation” (joint with Esteban Aucejo, Arnaud Maurel, and Tyler Ransom) revise and resubmit *Journal of Political Economy*
- “Conditional Choice Probability Estimation of Continuous Time Job Search Models” (joint with Arnaud Maurel and Ekaterina Roshchina)
- “Recovering Ex-Ante Returns and Preferences for Occupations using Subjective Expectations Data” (joint with Joe Hotz, Arnaud Maurel, and Teresa Romano) revise and resubmit *Journal of Political Economy*
- “Nonstationary Dynamic Models with Finite Dependence” (joint with Bob Miller) second revise and resubmit *Quantitative Economics*
- “Equilibrium Grade Inflation with Implications for Female Interest in STEM Majors” (joint with Tom Ahn, Amy Hopson, and James Thomas)
- “The Competitive Effects of Entry: Evidence from Supercenter Expansion” (joint with Paul Ellickson, Carl Mela, and John Singleton)

### **Awards/Grants**

Searle Freedom Trust “Affirmative Action and Mismatch”, 2012-2013, \$54,141

NSF “Large State Space Issues in Dynamic Models” (with Pat Bayer and Federico Bugni), 2011-2013, \$391,114

NSF “CCP Estimation of Dynamic Discrete Choice Models with Unobserved Heterogeneity” (with Paul Ellickson and Robert Miller), 2007-2009, \$305,423

NICHD “A Dynamic Model of Teen Sex, Abortion, and Childbearing” (with Ahmed Khwaja) 2004-05. \$154,000

Smith Richardson Foundation “Does the River Spill Over? Race and Peer Effects in the College & Beyond” (with Jacob Vigdor) 2003. \$50,000

Sloan Dissertation Fellowship 1997-98.

**Graduate Student Advising (first time on the market in parentheses)**

Chair or co-chair:

Thomas Ahn	2004 (University of Kentucky)
Andrew Hussey	2006 (University of Memphis)
Natalie Goodpaster	2006 (Charles Rivers)
Josh Kinsler	2007 (University of Rochester)
Kata Mihaly	2008 (RAND)
Anil Nathan	2008 (Holy Cross)
Andrew Beauchamp	2009 (Boston College)
Jon James	2011 (Federal Reserve Bank of Cleveland)
Esteban Aucejo	2012 (London School of Economics)
Teresa Romano	2014 (Goucher College)
Marie Hull	2015 (UNC Greensboro)
Tyler Ransom	2015 (Postdoc at Social Science Research Institute, Duke)
Brian Clark	2016 (Federal Trade Commission)
James Thomas	2016 (Postdoc at Yale)
Xiaomin Fu	2017 (Amazon)
John Singleton	2017 (University of Rochester)

Committee Member:

Thomas Anderson	2001 (Bureau of Economic Analysis)
Bethany Peters	2002 (Rhodes)
Justin Trogdon	2004 (University of Adelaide)
Bentley Coffey	2004 (Clemson University)
Derek Brown	2004 (Research Triangle Institute)
Lijing Ouyang	2005 (Postdoc at Centers for Disease Control and Prevention)
Omari Swinton	2007 (Howard)
Kelly Bishop	2008 (Olin School of Business)
Alvin Murphy	2008 (Olin School of Business)
Nicole Coomer <sup>†</sup>	2008 (Workers Compensation Research Institute)
Yang Wang	2009 (Lafayette College)

Aurel Hizmo	2011 (NYU Stern)
Ed Kung	2012 (UCLA)
Kyle Mangum	2012 (Georgia State)
Dan LaFave	2012 (Colby College)
Kristen Johnson	2012 (Research Manager, Harvard Business School)
Songman Kang	2012 (Postdoc at Sanford School)
Jason Roos*	2012 (Rotterdam School of Management)
Hyunseob Kim*	2012 (Cornell Business School)
Patrick Coate	2013 (Postdoc at University of Michigan)
Mike Dalton	2013 (Bureau of Labor Statistics)
Peter Landry	2013 (Postdoc at CalTech)
Kalina Staub	2013 (Lecturer at University of Toronto)
Vladislav Sanchez	2013 (Postdoc at Duke)
Gabriela Farfan	2014 (World Bank)
Chung-Ying Lee	2014 (National Taiwan University)
Lala Ma	2014 (Kentucky)
Deborah Rho	2014 (University of St. Thomas)
Yair Taylor	2014 (Department of Justice)
Gabriela Farfan	2014 (World Bank)
Weiwei Hu	2015 (Hong Kong University of Science and Technology, visiting professor)
Brett Matsumoto**	2015 (Bureau of Labor Statistics)
Joe Mazur	2015 (Purdue)
Jared Ashworth	2015 (Pepperdine)
Ekaterina Roshchina	2016 (Postdoc at University of Washington)
Matt Forsstrom**	2017 (Wheaton College)
Alex Robinson	2017 (Analysis Group)
Ying Shi <sup>‡</sup>	2017 (Postdoc at Stanford Ed)

(\*Fuqua Business student, \*\*UNC student, <sup>†</sup>NC State, <sup>‡</sup>Sanford Public Policy)

## Service

Executive committee for the department (1999,2006-2009), Micro qualifying committee (2000, 2005), Graduate admissions committee (2004,2006), Chair of faculty computing committee (2004-2006), Micro recruiting committee (2005), Undergraduate reform committee (2005), SSRI Faculty Fellows (2006-2007), Executive Committee of the Graduate School (2006-2007), Director of Graduate Studies (2006-2009), Chair of recruiting committee (2006, 2010), Local Organizing Committee for the North American Meetings of the Econometric Society (2007), Academic Standards committee (2009), Graduate admissions director (2011-2013), Dean of graduate school search committee (2012), Organizer for Cowles conference on Structural Microeconomics (2013), Program Committee for World Congress of the Econometric Society (2015), Program Committee for North American Summer Meetings (2016), Program Committee for International Association for Applied Econometrics (2016, 2017), Senior Recruiting (2016), Program Committee for Society of Labor Economists (2017)

## **Editorial Responsibilities**

Co-Editor, *Quantitative Economics*, (July 2016-present)  
Foreign Editor, *Review of Economic Studies* (October 2011-present)  
Associate Editor, *Journal of Applied Econometrics*, (January 2007-present)  
Associate Editor, *AEJ: Applied Economics*, (May 2009-May 2012)  
Editor, *Journal of Labor Economics*, (July 2008-July 2013)  
Co-Editor, *Economic Inquiry*, (December 2007-January 2011)

## **Presentations (since 2010)**

- 2017: (scheduled) Georgia, Wisconsin, Toronto Education Conference, Central European University
- 2016: University of Wisconsin, Penn State Economics of Education Conference, BGSE Summer Form Workshop-Structural Micro, keynote speaker for the International Association for Applied Econometrics, Banff Empirical Microeconomics Workshop, NBER Education, Purdue
- 2015: Minnesota, Brown, Chicago, University of British Columbia, IZA, Mannheim, UCL, London School of Economics, keynote speaker for International Conference of Applied Economics of Education, Carnegie Mellon, Georgetown, Columbia, Universitat Autònoma de Barcelona
- 2014: Penn Law Symposium on Educational Equality, Austin Institute, Tulane, Michigan Journal of Law Reform Symposium on Affirmative Action, Inter-American Development Bank, Johns Hopkins, AERA Annual Meeting, Tennessee, Chicago Booth, Cowles Conference, University of Pennsylvania, Penn State/Cornell Econometrics Conference, keynote speaker International Conference on "The Economics of Study Choice", HCEO Conference on Identity and Inequality, Federal Reserve Bank of New York, Arizona State
- 2013: Colorado, UNLV, Sciences Po, Toulouse, Chicago, NBER Education, Iowa State, Stanford, Washington University, Yale
- 2012: Stanford Ed, Conference for John Kennan, Cowles Conference, CEME Conference on the Econometrics of Dynamic Games, Brookings Conference on Mismatch in Higher Education, NYU, London School of Economics
- 2011: Princeton, UNC, UNC-Greensboro, BYU, Wisconsin, Johns Hopkins, Yale, University of Nevada-Reno, UC Davis, Harvard, Cornell, Institute for Research on Poverty
- 2010: UC Santa Barbara, UCLA, Virginia, Paris School of Economics, Harris School, Washington University, Pittsburgh, Michigan, Higher Education Conference at Western Ontario