

Peter Arcidiacono
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Address

Department of Economics
201A Social Science
Duke University
Durham, NC 27708-0097
psarcidi@econ.duke.edu
(919) 660-1816

Employment and Affiliations

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

Natuaional Bureau of Economic Research
Research Associate, 2008-present

Education

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

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

Fields of Interest

Labor Economics, Applied Econometrics, Applied Microeconomics

Published Articles

"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 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

“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

“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

“Habit Persistence and Teen Sex: Could Increased Access to Contraception have Unintended Consequences for Teen Pregnancies?” (joint with Ahmed Khwaja and Lijing Ouyang) forthcoming *Journal of Business and Economic Statistics*

“Estimating Spillovers using Panel Data, with an Application to the Classroom” (joint with Jennifer Foster, Natalie Goodpaster, and Josh Kinsler) forthcoming in *Quantitative Economics*

Unpublished Papers

“Terms of Endearment: An Equilibrium Model of Sex and Matching” (joint with Andrew Beauchamp and Marjorie McElroy)

“Estimation of Dynamic Discrete Choice Models in Continuous Time” (joint with Pat Bayer, Jason Blevins, and Paul Ellickson)

“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)

“Isolating Mechanisms for the Racial Divide in Education and the Labor Market: Evidence from Interracial Families” (joint with Andrew Beauchamp, Marie Hull, and Seth Sanders)

“Approximating High Dimensional Models: Sieve Value Function Iteration” (joint with Pat Bayer, Federico Bugni, and Jon James)

“The Effects of Proposition 209 on California’s College Enrollment and Graduation Rates in California” (joint with Esteban Aucejo, Patrick Coate, and Joe Hotz)

Awards/Grants

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 job in parentheses)

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)

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)
Alvin Murphy	2008 (Olin School of Business)
Kelly Bishop	2008 (Olin School of Business)
Yang Wang	2009 (Lafayette College)
Aurel Hizmo	2011 (NYU Stern)
Esteban Aucejo	2012 (London School of Economics)
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)

(* indicates Fuqua student)

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 (2011-2012), Dean of graduate school search committee (2012)

Editorial Responsibilities

Editor, *Journal of Labor Economics*, (July 2008-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-present)
Co-Editor, *Economic Inquiry*, (December 2007-January 2011)