

Peter Arcidiacono
April 2024

Address

Department of Economics
228F Social Science
Duke University
Durham, NC 27708-0097
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Employment and Affiliations

Duke University

William Henry Glasson Professor of Economics, September 2022-present
Full Professor, July 2010-August 2022
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

Fellow of the Econometric Society, Nov. 2018-present

Fellow of the International Association of Applied Econometrics, Nov. 2020-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)

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

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

[3] "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

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

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

- [6] "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
- [7] "Affirmative Action in Higher Education: How do Admission and Financial Aid Rules Affect Future Earnings?" *Econometrica*, Vol. 73, No. 5 (September, 2005), 1477-1524
- [8] "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)
- [9] "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)
- [10] "The Economic Returns to an MBA," (joint with Jane Cooley and Andrew Hussey) *International Economic Review*, Vol. 49, No.3 (August 2008), 873-899
- [11] "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)
- [12] "Explaining Cross-Racial Differences in Teenage Labor Force Participation: Results from a Two-Sided Matching Model" (joint with Tom Ahn, Alvin Murphy and Omari Swinton) *Journal of Econometrics*, Vol. 156, No. 2 (May 2010)
- [13] "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)
- [14] "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
- [15] "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
- [16] "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.
- [17] "Practical Methods for Estimation of Dynamic Discrete Choice Models" (joint with Paul Ellickson) *Annual Review of Economics Volume 3*, September 2011, 363-394

- [18] "Conditional Choice Probability Estimation of Dynamic Discrete Choice Models with Unobserved Heterogeneity" (joint with Bob Miller) *Econometrica*, Vol. 79, No. 6 (November 2011), 1823-1868 (formerly titled "CCP Estimation of Dynamic Discrete Choice Models with Unobserved Heterogeneity")
- [19] "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
- [20] "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
- [21] "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.
- [22] "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)
- [23] "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.
- [24] "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
- [25] "Racial Segregation Patterns in Selective Universities" (joint with Esteban Aucejo, Andrew Hussey, and Ken Spenner) *Journal of Law Economics*, Vol. 56 (November 2013)
- [26] "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
- [27] "Race and College Success: Evidence from Missouri" (joint with Cory Koedel) *AEJ: Applied Economics*, Vol. 6 (July 2014), 20-57
- [28] "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)
- [29] * "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.

- [30] "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.
- [31] "Affirmative Action in Undergraduate Education" (joint with Michael Lovenheim and Maria Zhu) *Annual Review of Economics*, Vol. 7 (August 2015), 487-518
- [32] "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
- [33] "Affirmative Action and the Quality-Fit Tradeoff" (joint with Michael Lovenheim) *Journal of Economic Literature*, 54(1) (March 2016), 3-51
- [34] "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
- [35] "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)
- [36] "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
- [37] "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
- [38] "Nonstationary Dynamic Models with Finite Dependence" (joint with Bob Miller) *Quantitative Economics*, 10(3) (July 2019), 853-890
- [39] "Identifying Dynamic Discrete Choice Models off Short Panels" (joint with Bob Miller) *Journal of Econometrics*, 215(2) (March 2020), 473-485
- [40] "The Competitive Effects of Entry: Evidence from Supercenter Expansion" (joint with Paul Ellickson, Carl Mela, and John Singleton) *AEJ: Applied Economics*, 12(3) (July 2020), 175-206
- [41] "Affirmative Action, Transparency, and the *SFFA v. Harvard* Case" (joint with Josh Kinsler, and Tyler Ransom) *University of Chicago Law Review Online* (October 2020)
- [42] "Ex Ante Returns and Occupational Choice" (joint with Joe Hotz, Arnaud Maurel, and Teresa Romano) *Journal of Political Economy*, 128(12) (December 2020), 4475-4522
- [43] "Legacy and Athlete Preferences at Harvard" (joint with Josh Kinsler and Tyler Ransom) *Journal of Labor Economics*, 40(1) (January 2022), 133-155

- [44] “Divergent: The Time Path of Legacy and Athlete Admissions at Harvard” (joint with Josh Kinsler, and Tyler Ransom) *Journal of Human Resources*, forthcoming
- [45] “Asian American Discrimination in Harvard Admissions” (joint with Josh Kinsler and Tyler Ransom) *European Economic Review*, 144 (May 2022), 104079
- [46] “Recruit to Reject? Harvard and African American Applicants” (joint with Josh Kinsler and Tyler Ransom) *Economics of Education Review*, (June 2022), 102255
- [47] “What the Students for Fair Admissions Cases Reveal About Racial Preferences” (joint with Josh Kinsler and Tyler Ransom) *Journal of Political Economy Microeconomics*, 1(4) (November 2023), 615-668
- [48] “Equilibrium Grading Policies with Implications for Female Interest in STEM Courses” (joint with Tom Ahn, Amy Hopson, and James Thomas) forthcoming *Econometrica* (formerly titled “Equilibrium Grade Inflation with Implications for Female Interest in STEM Majors”)
- [49] “College Attrition and the Dynamics of Information Revelation” (joint with Esteban Aucejo, Arnaud Maurel, and Tyler Ransom) accepted *Journal of Political Economy*

Unpublished Papers

- “Identification and Estimation of Continuous-Time Job Search Models with Preference Shocks” (joint with Attila Gyetvai, Ekaterina Jardim, and Arnaud Maurel) revise and resubmit *Review of Economic Studies*
- “Experimentally Validating Welfare Evaluation of School Vouchers: Part 1” (joint with Karthik Muralidharan, Eun-young Shim, and John Singleton)

Awards/Grants

- NSF “CCP Estimation of Continuous-Time Job Search Models” (with Arnaud Maurel), 2021-2022, \$393,186
- 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)
Amy Hopson	2017 (Bureau of Labor Statistics)
Maria Zhu	2019 (Syracuse University)
Laurel Wheeler	2019 (University of Alberta)
Attila Gyetvai	2021 (Bank of Portugal)
Mirjam Szillery	2022 (Wayfair)
Usaid Awan	2022 (Amazon)
Erin Denison	2024 (Analysis Group)

Committee Member:

Thomas Anderson	2001 (Bureau of Economic Analysis)
Bethany Peters	2002 (Rhodes)
Justin Trogon	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 [†]	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 [†]	2017 (Postdoc at Stanford Ed)
Margaux Luflade	2018 (University of Pennsylvania)
Sherry Wu	2018 (Kelley School of Business, visiting professor)
Linh Nguyen	2021 (Uber)
Siddhartha Biswas**	2021 (Federal Reserve Bank of Philadelphia)
Paul Diegert	2023 (Toulouse School of Economics)
Riley League	2023 (Illinois Business School)

(*Fuqua Business student, **UNC student, [†]NC State, [‡]Sanford Public Policy)

Editorial Responsibilities

Co-Editor, *Quantitative Economics*, (July 2016-June 2020)
 Foreign Editor, *Review of Economic Studies* (October 2011- October 2017)
 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)
 Associate Editor, *Journal of Applied Econometrics*, (January 2007-present)

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, 2020), Senior Recruiting (2016, 2018, 2019, 2022), Program Committee for Society of Labor Economists (2017, 2018), Master's Review Committee (2018-2020), Program Co-Chair for International Association for Applied Econometrics (2022)