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Contact Information

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CURRENT EMPLOYMENT

1996- Federal Reserve Bank of Chicago
Senior Vice President and Associate Director of Research, 2021-
Vice President, 2008-2021
Director of Microeconomic Research, 2007-2022
Editor, *Chicago Fed Letter*, 2018-2022
Economic Advisor, 2002-2007
Senior Economist, 1999-2002
Economist, 1996-1999

2009- Northwestern University, Kellogg School of Management
Adjunct Professor, 2013-

EDUCATION

Ph.D., Northwestern University, 1996
B.A., Washington University in St. Louis, 1989

TEACHING

2009- Northwestern University, Kellogg School of Management
Intro to Microeconomics: MBA part-time, full-time, and Executive

2001-2003 University of Illinois-Chicago.
Economics for Public Administration and Policy Decisions; MPA

REFEREED PUBLICATIONS

“The Evolution of Technological Substitution in Low-Wage Labor Markets,” with Brian Phelan, *Review of Economics and Statistics*, forthcoming.

“The Long-Run Effects of the 1930s Redlining Maps on Children,” with Daniel Hartley, Bhashkar Mazumder, and Martha Stinson, *Journal of Economic Literature*, 61(3), September 2023, 846-862.

“The Early Origins of the Civil Rights Movement in the U.S.: An Analysis of the Growth of the NAACP,” with Jala Abner, Mark Borgschulte, and Bhashkar Mazumder, *Oxford Research Encyclopedia of Economics and Finance*, March 2023, <https://doi.org/10.1093/acrefore/9780190625979.013.770>.

“Forecasting Unemployment Insurance Claims in Realtime with Google Trends,” with Scott Brave, R Andrew Butters, Michael Fogarty, Daniel Sacks, and Boyoung Seo, *International Journal of Forecasting*, 38(2), April-June 2022, 567-581.

“The Effects of the 1930s HOLC “Redlining” Maps,” with Daniel Hartley and Bhashkar Mazumder, *American Economic Journal: Economic Policy*, 13(4), November 2021, 355-392.

“The Effect of Fertility on Mothers’ Labor Supply Over the Last Two Centuries,” with Rajeev Dehejia, Andrew Jordan, Cristian Pop-Eleches, Cyrus Samii, and Karl Schulze, *Economic Journal* 131(633), January 2021, 1-32 (lead article).

“Estimating the Effect of Education on Mortality in the Presence of Migration: Evidence from the Jim Crow South,” with Bhashkar Mazumder, Seth Sanders, and Evan Taylor, *Journal of Labor Economics* 39(2), 2021, 527-558.

“The Long-run Effects of the 1930s HOLC “Redlining” Maps on Place-based Measures of Economic Opportunity and Socioeconomic Success,” with Daniel Hartley, Bhashkar Mazumder, Patrick Sharkey, and Jacob Weber, *Regional Science and Urban Economics* 86, 103622, January 2021.

“Using the Eye of the Storm to Predict the Wave of Covid-19 UI Claims,” with Scott Brave, R. Andrew Butters, Daniel Sacks, and Byoung Seo, *Covid Economics*, April 2020.

“Internal Immigrant Mobility in the Early 20th Century: Experimental Evidence from Galveston, Texas,” with Jonathan Davis and Karl Schulze, *Explorations in Economic History*, 76, April 2020 (lead article).

“Job Displacement and Financial Outcomes,” joint with Sumit Agarwal, Julie Hotchkiss, and Taylor Kelley, *Economics Letters*, 177, April 2019, 18-21.

“Wage Shocks and the Technological Substitution of Low-Wage Jobs,” joint with Brian Phelan, *Economic Journal*, 129(617) January 2019, p. 1-34 (lead article).

“Industry Dynamics and the Minimum Wage: A Putty-Clay Approach,” joint with Eric French, Isaac Sorkin, and Ted To, 59(1), *International Economic Review*, February 2018, 51-84.

“Fertility Transitions along the Extensive and Intensive Margins,” with Fabian Lange and Bhashkar Mazumder. *American Economic Review*, 104(11), November 2014, 3701-3724.

*Winner of the 2014 IPUMS Research Award.

“The Spending and Debt Response to Minimum Wage Hikes,” with Sumit Agarwal and Eric French, *American Economic Review*, 102(7), December 2012, 3111-3139 (lead article).

“The Effect of Rosenwald Schools on Black Achievement,” with Bhashkar Mazumder, *Journal of Political Economy*, 119(5) October 2011, 821-888 (lead article).

“The Effect of Progressive Taxation on Labor Supply when Hours and Wages are Jointly Determined,” with Eric French, *Journal of Human Resources*, 44(2) Spring 2009, 386-408.

“The Minimum Wage, Restaurant Prices, and Labor Market Structure.” With Eric French and James MacDonald. *Journal of Human Resources*, 43(3) Summer 2008, 688-720.

“Intergenerational Economic Mobility in the US, 1940 to 2000,” With Bhashkar Mazumder. *Journal of Human Resources*, 43(1), Winter 2008, 139-172.

"Teachers and Student Achievement in the Chicago Public Schools." with Lisa Barrow and William Sander. *Journal of Labor Economics* 25(1), January 2007, 95-136.

“Product Market Evidence on the Employment Effects of the Minimum Wage,” with Eric French, *Journal of Labor Economics* 25(1), January 2007, 167-200.

“How Firms Construct Price Changes: Evidence from Restaurant Responses to Increased Minimum Wages.” with James MacDonald, *American Journal of Agricultural Economics* 88(2), May 2006, 292-307.

"Do Part-time Workers Have Lower Wages than Full-Time Workers? Evidence from Social Security Budget Constraints." with Eric French, *Journal of Labor Economics* 22(2), April 2004, 329-352.

“Supplier Relationships and Small Business Use of Trade Credit.” With Raphael Bostic, Paul Huck, and Robert Townsend, *Journal of Urban Economics* 55(1), January 2004, 46-67.

“Price Pass-Through and the Minimum Wage,” *The Review of Economics and Statistics* 83(1), February 2001, 158-169.

“Neighborhood Dynamics,” *Journal of Urban Economics* 49(1), January 2001, 1-31 (lead article).

“A Note on the Benefits of Homeownership,” *Journal of Urban Economics* 47(3), May 2000, 356-369.

“The Effect of School Finance Reform on Population Heterogeneity,” *National Tax Journal* 52(1), March 1999, 5-29 (lead article).

“Using Sibling Data to Estimate the Impact of Neighborhoods on Children’s Educational Outcomes,” *Journal of Human Resources* 33(4), Fall 1998, 915-946.

WORKING PAPERS AND WORK IN PROGRESS

“Tracking U.S. Consumers in Real Time with a New Weekly Index of Retail Trade,” with Scott Brave, Michael Fogarty, Ezra Karger, and Spencer Krane. Revise and resubmit, *International Journal of Central Banking*.

“The Lasting Impact of Historical Residential Security Maps on Experienced Segregation,” with Joel Kaiyuan Han, Daniel Hartley, and Bhashkar Mazumder, submitted.

“Schooling and Political Activism in the Early Civil Rights Era,” with Mark Borgschulte, Sunny Liu, and Bhashkar Mazumder.

“The Long-Run Impact of Human Capital Investment in the Jim Crow South,” with Mark Borgschulte, Bhashkar Mazumder, and Martha Stinson.

“Pullman Porters,” with Camilo Garcia-Jimeno and Anthony Wray.

OTHER PUBLICATIONS

“The Labor Market Impact of Covid-19 in the Nation and Chicago,” published in Chicago United’s *2022 Annual Report*, with Kristen Broady, Taylor Griffin, and Daniel Sullivan, 2022.

“Labor Reallocation During the Covid-19 Pandemic,” with Riley Lewers and Daniel Sullivan, *Chicago Fed Letter*, 2021, no. 455.

“Did Covid-19 Disproportionately Affect Mothers’ Labor Market Activity?” with Luoja Hu and Aastha Rajan, *Chicago Fed Letter*, 2021, no. 450.

“Introduction: A Special Issue in Honor of Joseph G Altonji,” with Lisa Kahn, Costas Meghir, and Christopher Taber, *Journal of Labor Economics* 39 (S1), S1-S3, January 2021.

“Recent Developments in Middle Management Diversity,” published in Chicago United’s *2020 Annual Report*, with Amanda McFarland and Thomas Walstrum, 2020.

“The Stay-at-Home Labor Market: Google Searches, Unemployment Insurance, and Public Health Orders,” with Scott Brave, R Andrew Butters, and Michael Fogarty, *Chicago Fed Letter*, 2020, no. 436.

“How Much Did the Minimum Wage Drive Real Wage Growth During the Late 2010s?” with Luoja Hu and Aastha Rajan, *Chicago Fed Letter*, 2020, no. 435.

“Potential Jobs Impacted by Covid-19,” with Helen Burkhardt and Jason Faberman, *Chicago Fed Insights Blog*, April 2020.

“Explaining Variation in Real Wage Growth Over the Recent Expansion,” with Luoja Hu and Aastha Rajan, *Chicago Fed Letter*, 2019, no. 421.

“Does Automation Always Lead to a Decline in Low-Wage Jobs?” with Brian Phlean, *Chicago Fed Letter*, 2019, no. 413.

“The Potential to Automate Low-Wage Jobs,” *London School of Business Business Review Blog*, August 2018.

“The Effect of Fertility on Mothers’ Labour Supply Over the Last Two Centuries” with Rajeev Dehejia, Andrew Jordan, Cristian Pop-Eleches, Cyrus Samii, Karl Schulze, *VoxEU*, September 2017.

“Using Private Sector “Big Data” as an Economic Indicator: The Case of Construction Spending,” with Scott Brave and Ross Cole, *Chicago Fed Letter*, 2016, no. 366.

“Is There Still Slack in the Labor Market,” with Scott Brave and David Kelley, *Chicago Fed Letter*, 2016, no. 359.

“The Long-Run Employment Effects of the Minimum Wage: A Putty-Clay Perspective,” with Eric French and Isaac Sorkin, *VoxEU*, March 2016.

“The Minimum Wage – Will Job Losses be Minimal?” with Eric French and Isaac Sorkin, *EA Magazine*, August 2015.

“Changing Labor Force Composition and the Natural Rate of Unemployment,” with Luojia Hu, Arian Seifoddini, and Daniel Sullivan, *Chicago Fed Letter*, 2015, no. 338.

“Declining Labor Force Participation and its Implications for Unemployment and Employment Growth,” with Luojia Hu, Arian Seifoddini, and Daniel Sullivan, *Economic Perspectives*, 4th quarter, 2014, 100-138.

“Understanding the Relationship Between Real Wage Growth and Labor Market Conditions,” with Andrew Jordan, *Chicago Fed Letter*, October 2014.

“The Affordable Care Act and the Labor Market”, with Darren Lubotsky, *Chicago Fed Letter*, June 2014.

“How Does a Federal Minimum Wage Hike Affect Aggregate Household Spending?” with Eric French, *Chicago Fed Letter*, August 2013.

“Estimating the Trend in Employment Growth,” with Scott Brave, *Chicago Fed Letter*, July 2013.

“Spending, Income, and Debt Responses to Minimum Wage Hikes,” with Eric French, *VoxEU*, March 2013.

“Explaining the Decline in the U.S. Labor Force Participation Rate.” With Jonathan Davis and Luojia Hu, *Chicago Fed Letter*, February 2012.

“How Much Has House Lock Affected Labor Mobility and the Unemployment Rate?” with Jonathan Davis, *Chicago Fed Letter*, August 2011.

“An Analysis of the Rise in Long-Term Unemployment,” with Bhashkar Mazumder and Shani Schechter, *Economic Perspectives*, 2nd quarter, 2010, 28-51.

“The Impact of Baby Boomer Retirements on Teacher Labor Markets,” with Katherine Meckel, *Economic Perspectives*, 4th quarter, 2009, 2-15.

“How Does Labor Adjustment in this Recession Compare to the Past” with Scott Brave and Shani Schechter, *Chicago Fed Letter*, June 2009.

“The Impact of Baby Boomer Retirements on Teacher Labor Markets,” with Katherine Meckel, *Chicago Fed Letter*, August 2008.

“Explaining the Decline in Teen Labor Force Participation,” with Kyung Park and Daniel Sullivan, *Chicago Fed Letter*, January 2007.

Review of “Poverty Traps,” editors Samuel Bowles, Steven Durlauf, and Karla Hoff, *Journal of Economic Literature* 44 (4), December 2006, 1050-1051.

“The Decline in Teen Labor Force Participation,” with Kyung Park and Daniel Sullivan, *Economic Perspectives* 30(1), 2006, 2-18.

“Employment Growth in High Paying Sectors,” with Sara Christopher, *Chicago Fed Letter*, September 2004.

“Assessing the Jobless Recovery.” with Ellen Rissman and Daniel Sullivan, *Economic Perspectives* 28(2), 2004, 2-20.

“Can Sectoral Reallocation Explain the Jobless Recovery?” with Ellen Rissman and Daniel Sullivan, *Economic Perspectives* 28(2), 2004, 36-49.

"Regional Differences in Labor Quality," with Daniel Sullivan, *Chicago Fed Letter*, May 2003.

"Growth in Labor Quality," with Daniel Sullivan, *Chicago Fed Letter*, February 2002.

"Growth in Worker Quality," with Daniel Sullivan, *Economic Perspectives* 25(4), 2001, 53-74.

"Recent Evidence on the Relationship Between Unemployment and Wage Growth," With Daniel Sullivan, *Chicago Fed Letter*, May 2001.

“Part-Time Work and Hourly Wages,” with Eric French, *Chicago Fed Letter*, August 2000.

“Small Business Use of Trade Credit: Evidence of Ethnic Differences,” with Paul Huck and Robert Townsend, *Proceedings of the Federal Reserve Bank of Chicago Bank Structure Conference*, May 2000, 423-452.

"Unemployment and Wage Growth: Recent Cross-State Evidence," with Daniel Sullivan, *Economic Perspectives* 24(2), 2000, 54-71.

“The Impact of Technology on Displacement and Reemployment,” with Kenneth Housinger, *Economic Perspectives* 23(2), 1999, 14-30.

“Recent Trends in Job Displacement,” with Daniel Sullivan, *Chicago Fed Letter*, December 1998.

“The Decline of Job Security in the 1990s: Displacement, Anxiety, and their Effect on Wage Growth,” with Daniel Sullivan, *Economic Perspectives* 22(1), 1998, 17-43.

“A Sibling Based Approach to Measuring Neighborhood Effects,” in Brooks-Gunn, Duncan, and Aber, *Neighborhood Poverty: Context and Consequences for Children*, New York: Russell Sage Foundation Press, 1997, 80-93.