Zachariah Rutledge

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| | Personal Website: https://www.zachrutledge.com |
| Education | Ph.D. in Agricultural and Resource Economics (2020) University of California, Davis Dissertation Title: "From the Farm to the City: How the Changing Supply of Immigrant Workers Impacts the United States" Link Committee: Pierre Mérel (chair), J. Edward Taylor, and Giovanni Peri Fields: Labor, Agriculture, Econometrics, Development |
| | M.S. in Agricultural and Resource Economics (2016) University of California, Davis |
| | A.B. in Economics (with highest honors) (2015) University of California, Davis |
| Job Market Paper | "Farm Labor Supply and Food Production," with Pierre Mérel. Link This study provides econometric estimates of the effects of shifts in the farm labor supply on hand- harvested fruit and vegetable production. Using crop production and employment data from California counties, we estimate panel regressions linking farm employment to crop production outcomes. Be- cause we exploit variation in equilibrium employment, as opposed to exogenous variation in the labor supply curve, we use an equilibrium displacement model to identify plausible sources of estimation bias; we argue that our regression estimates should be interpreted as upper bounds for the effects of interest. Our results indicate that a ten percent decrease in the farm labor supply (in terms of the number of workers) causes at most a 4.2% reduction in production in the top 10 producing counties. Production effects are channeled primarily through a reduction in harvested acreage, although we also uncover some effects on yield. |
| Publications | Peer-Reviewed "Economic Assimilation of Mexicans and Central Americans in the United States," with Giovanni |
| | Peri. IZA Journal of Development and Migration. (forthcoming). Link |
| | "The H-2A Program in California," with Philip Martin. <i>California Agriculture</i> . (forthcoming). Link "Viewpoint: The Future of Work in Agri-Food," with Luc Christiaensen and J. Edward Taylor. <i>Food Policy</i> , 99. (2021). Link |
| | "Can Wages Rise Quickly Enough to Keep Workers in the Fields?" with Diane Charlton, J. Edward Taylor, and Stavros Vougioukas. <i>Choices</i> , 34(2). (2019). Link |
| | "Innovations for a Shrinking Agricultural Workforce," with Diane Charlton, J. Edward Taylor, and Stavros Vougioukas. <i>Choices</i> , 34(2). (2019). Link |
| | Book Chapters |
| | "Evolving Agricultural Labor Markets," with Diane Charlton and J. Edward Taylor in C. Barrett and D. Just (Eds.), <i>The Handbook of Agricultural Economics</i> . (forthcoming). Link |
| | "The Short-Run Impacts of Immigration on Native Workers: A Sectoral Approach," with Pierre Mérel. Chapter 6 in R. Sauer (Ed.), <i>The World Scientific Encyclopedia of Migration</i> . (forthcoming). Link |
| | "Economic and Societal Aspects," with J. Edward Taylor. Chapter 10 in S. G. Vougioukas and Q. Zhang (Eds.), Advanced Automation for Tree Fruit Orchards and Vineyards. (forthcoming). Link |
| | Outreach |
| | "Federal Labor Standards Enforcement in Agriculture: Data Reveal the Biggest Violators and Raise New Questions About How to Improve and Target Efforts to Protect Farmworkers," with Daniel Costa and Philip Martin. <i>Economic Policy Institute Report</i> . (2020). Link |
| | "What Is the Future of Work in Agri-Food?" with Luc Christiaensen and J. Edward Taylor. <i>Brookings Institution</i> . (2020). Link |
| | "Revisiting Economic Assimilation of Mexican and Central American Immigrants in the United States," with Giovanni Peri. Cato Institute Research Briefs in Economic Policy, No. 220. (2020). Link "COVID-19 and Farm Workers: Challenges Facing California Agriculture," with Timothy Beatty, Alexandra Hill, and Philip Martin. ARE Update, 23(5). (2020). Link |
| | "Recent Mexican and Central American Immigrants Have Performed Well in the Labor Market, but There Is Room for Improvement." U.C. Davis Global Migration Center Immigration Facts Series. (2020). Link |
| | "California Farmers Change Production Practices as the Farm Labor Supply Declines," with J. Edward Taylor. <i>ARE Update</i> , 22(6). (2019). Link |
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| Working Papers | "The H-2A Foreign Worker Program in 2020," with Marcelo Castillo and Philip Martin. (under |
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| | review). "Spillover Effects of Minimum Wages in Agriculture," with Timothy Richards, Marcelo Castillo, and Philip Martin. |
| Research Experience | Postdoctoral Research Scholar Under the Supervision of Timothy Richards, Arizona State University, January 2021 - Current |
| | Graduate Student Researcher For Professor Pierre Mérel, Intermittently Between July 2016 - December 2020 For Professor J. Edward Taylor, Intermittently Between July 2018 - September 2020 For Professor Giovanni Peri, September 2019 - December 2019 |
| | Consulting California Agricultural Labor Relations Board, March 2021 - Current National Council of Agricultural Employers, March 2021 - Current Migration Dialogue, March 2020 - December 2020 World Bank Group, November 2018 - June 2019 Hoover Institution, June 2017 - August 2017 |
| Teaching Experience | Teaching Assistant, University of California, DavisMaster's:Applied Econometrics 1 (ARE 256A), Fall 2016 |
| | Undergraduate: Agricultural Labor Economics (ARE 150), Spring 2016, Spring 2018, Spring 2019 Econometrics (ARE 106), Winter 2018 Operations Research and Management Science (ARE 155), Winter 2017 Investment (ARE 143), Winter 2016 |
| Selected Presentation | าร |
| | "The Impact of Minimum Wage Shocks on Low-Skilled Workers in the United States: Evidence from the H-2A Visa Agricultural Guestworker Program." Agricultural and Applied Economics Association Annual Meeting. Austin, TX, August 2, 2021. |
| | "Actions the Biden Administration and Congress Can Take to Better Protect Farmworkers." Economic Policy Institute, Virutal Presentation, February 10, 2021. |
| | "No Farm Workers, No Food? Evidence From Specialty Crop Production." United States Department of Agriculture Economic Research Service Challenges in Specialty Crop Production Workshop. Virtual Presentation, July 29, 2020. |
| | "The Effects of a Declining Farm Labor Supply on California Agriculture." University of California, Davis Global Migration Center Affiliate Meeting. Davis, CA, February 5, 2020. |
| | "The Short-Run Impacts of Immigration on Native Workers: A Sectoral Approach." Agricultural and Applied Economics Association Annual Meeting. Atlanta, GA, July 23, 2019. |
| | "Farmworkers and Nonfarm Work: Evidence from the NAWS." United States Department of Labor National Agricultural Workers Survey at 30 Conference. Davis, CA, April 4, 2019. |
| Selected Grants | |
| | USDA-ERS RRED Grant (with Timothy Richards and Lauren Chenarides), 2021: \$20,000 |
| | Giannini Foundation of Agricultural Economics Minigrant (with Pierre Mérel), 2020: \$30,000 |
| | Giannini Foundation of Agricultural Economics Minigrant (with J. Edward Taylor), 2020: \$30,000 |
| | Giannini Foundation of Agricultural Economics Minigrant (with Pierre Mérel), 2019: \$30,000 |
| | Giannini Foundation of Agricultural Economics Minigrant (with J. Edward Taylor), 2019: \$30,000 |
| | Giannini Foundation of Agricultural Economics Minigrant (with J. Edward Taylor), 2018: \$27,000 |
| References | |
| | Timothy Richards, Marvin and June Morrison Chair of Agribusiness, Morrison School of Agribusiness, W. P. Carey School of Business, Arizona State University Email: trichards@asu.edu Phone: 602-821-2158 |
| | Pierre Mérel, Professor, Agricultural and Resource Economics, University of California, Davis Email: merel@primal.ucdavis.edu Phone: 530-752-8276 |
| | J. Edward Taylor, Distinguished Professor, Agricultural and Resource Economics, University of California, Davis Email: taylor@primal.ucdavis.edu Phone: 510-388-0773 |