

SARAH H. BANA

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PROFESSIONAL APPOINTMENTS

- July 2020 - Present Postdoctoral Fellow, Stanford Digital Economy Lab (part of the Stanford Institute for Human-Centered Artificial Intelligence)
- June 2019 - June 2020 Postdoctoral Associate, MIT Initiative on the Digital Economy

EDUCATION

- Ph.D. Economics, University of California, Santa Barbara, 2019
- M.A. Economics, University of California, Santa Barbara, 2014
- M.A. Applied Economics, Georgetown University, 2013
- B.A. Quantitative Economics, University of California, Irvine, 2010

PEER-REVIEWED PUBLICATION

Bana, S.H., Bedard, K. and Rossin-Slater, M. (2020), "The Impacts of Paid Family Leave Benefits: Regression Kink Evidence from California Administrative Data." *Journal of Policy Analysis and Management*, Vol 39: 888-929. doi:10.1002/pam.22242

OTHER PUBLICATIONS AND WRITINGS

Bana, Sarah H., Seth G. Benzell, and Rodrigo Razo Solares. 2020. "Ranking How National Economies Adapt to Remote Work." *Sloan Management Review*.

- *Media Coverage*: BBC Business Daily: Homeworking's winners and losers, Valor Economico: Brasil é o quinto país com maior dificuldade para o home office

Bana, Sarah, Kelly Bedard, and Maya Rossin-Slater. 2018. "Trends and Disparities in Leave Use under California's Paid Family Leave Program: New Evidence from Administrative Data." *AEA Papers & Proceedings*, 108: 388-91.

WORKING PAPERS

Using Language Models to Understand Wage Premia (Job Market Paper)

Learning a Representation of Jobs with Erik Brynjolfsson, Daniel Rock, and Sebastian Steffen

Connecting Higher Education to Career Skills with Morgan Frank, Hung K. Chau, and Baptiste Bouvier (submitted)

Identifying Vulnerable Displaced Workers: The Role of State-Level Occupation Conditions

- *Media Coverage*: Wall Street Journal – Real Time Economics Blog

Unequal Use of Social Insurance: The Role of Employers with Kelly Bedard, Maya Rossin-Slater and Jenna Stearns (Conditionally accepted at the Journal of Econometrics)

Investment in Cybersecurity Talent: Evidence from Firms' Responses to Data Breaches with Erik Brynjolfsson, Wang Jin, Sebastian Steffen, and Xiupeng Wang

WORKS-IN-PROGRESS

Estimating the Cost of Advance Notice for Firms Conducting Mass Layoffs with Jacob Morris

FELLOWSHIPS AND AWARDS

Research Awards – External

- 2019 Honorable Mention, Upjohn Institute Dissertation Award
- 2017 \$10,000 award from the Workforce Data Initiative at the University of Chicago's Center for Data Science and Public Policy (funded by the Alfred P. Sloan Foundation)

Research Awards – Stanford

- 2021 Stanford Institute for Human-Centered AI Google Cloud Credits – \$100,000

Research Awards – UC Santa Barbara

- 2018 Division of Social Sciences Fellowship
- 2017 Professor Robert T. Deacon Graduate Fellowship in Economics
- 2013 Economics Department Block Grant Fellowship

Teaching Awards – UC Santa Barbara

- 2018 UCSB Economics Outstanding Teaching Assistant of the Quarter (for Fall 2017 – Introduction to Econometrics)

Travel Grants – UC Santa Barbara

- 2018 UCSB Academic Senate Doctoral Student Travel Grant
- 2017 UCSB Economics Graduate Student Travel Grant
- 2016 Dean's Grant for ICPSR Training

CONFERENCE PRESENTATIONS

- American Economic Association (AEA) Meetings – Boston, MA (January 2022)
- 4th IDSC of IZA Workshop: Matching Workers and Jobs Online - New Developments and Opportunities for Social Science and Practice (October 2021, virtual)
- WEAI Annual Conference – Honolulu, HI (June 2021, virtual)
- Society of Labor Economists (SOLE) Conference – Philadelphia, PA (May 2021, virtual)
- Northeast Labor Symposium for Early Career Economists – Princeton, NJ (April 2021, virtual)
- Workshop on Information Systems and Economics – Hyderabad, India (December 2020, virtual)
- Southern Economics Association (SEA) – New Orleans, LA (November 2020, virtual)
- Stanford Digital Economy Lab Workshop – Stanford, CA (October 2020, virtual)
- EALE/SOLE/AASLE World Conference – Berlin, Germany (June 2020, virtual)
- The Past, Present and Future of Work Conference (HKS) – Cambridge, MA (May 2020, virtual)
- WEAI Annual Conference – San Francisco, CA (July 2019)
- Society of Labor Economists (SOLE) Conference – Arlington, VA (May 2019)
- DFG Conference on Technology, Demographics and the Labor Market – Cologne, Germany (March 2019)
- Southern Economic Association Conference – Washington, DC (November 2018)
- WEAI Graduate Student Workshop – Vancouver, BC (June 2018)
- APPAM Regional Student Conference – Washington, DC (May 2018)
- WEAI Annual Conference – San Diego, CA (June 2017)
- Society of Labor Economists (SOLE) Conference – Raleigh, NC (May 2017)

POSTER PRESENTATIONS

All California Labor Economics Conference – University of Southern California (October 2018)

Summer School on Socioeconomic Inequality – University of Chicago (July 2016)

INVITED TALKS

Academic Year 2021-2022

Boston University, Emory University, Simon Fraser University, American University, University of Minnesota, Council of Economic Advisers, Stanford Institute for Human-Centered AI, University of California – Santa Barbara (Labor Lunch), University of Nevada – Reno, Chapman University, MIT Initiative on the Digital Economy, Stanford Digital Economy Lab

Academic Year 2020-2021

Bureau of Labor Statistics Data Science Users Group, University of Nebraska – Lincoln

Academic Year 2019-2020

MIT Initiative on the Digital Economy, Harvard Kennedy School Growth Lab, University of Massachusetts – Lowell

Academic Year 2018-2019

University of Memphis, RAND Corporation, U.S. Census Bureau, Bureau of Labor Statistics, Colby College, Carleton University

TEACHING EXPERIENCE

Mentor – MIT Sloan

15.572 Analytics Lab: Action Learning Seminar on Analytics, Machine Learning, and the Digital Economy

Instructor of Record – University of California, Santa Barbara

Economics 140A: Introduction to Econometrics

Teaching Assistant – University of California, Santa Barbara

Economics 140B: Introduction to Econometrics, Economics 140A: Introduction to Econometrics, Economics 10A: Microeconomic Theory, Economics 1: Principles of Microeconomics

WORKSHOP PARTICIPATION

MISQ Scholarly Development Academy Participant (2022)

Technology and Innovation Management Junior Faculty Consortium (at AOM 2020)

MIT 6.S191 Introduction to Deep Learning

6th Lindau Meeting on Economic Sciences (funded by the National Science Foundation)

ICPSR Workshop on Machine Learning: Applications and Opportunities in the Social Sciences

NBER Economics of Digitization Graduate Student Tutorial

Summer School on Socioeconomic Inequality

RESEARCH ASSISTANT EXPERIENCE

Research assistant for Prof. Heather Royer (2014-2017)

Research assistant for Prof. Shelly Lundberg (2015)

Research assistant at the RAND Corporation (2010-2013)

SERVICE TO THE PROFESSION

Founder/maintainer of @ Econ_RA, a Twitter account that posts Economics RA job postings.

Referee Service:

Information Systems: *Management Science, Information Systems Research (ISR), MIS Quarterly, International Conference on Information Systems (ICIS).*

Economics: *Quarterly Journal of Economics, American Economic Journal: Economic Policy, Journal of the European Economics Association (JEEA), Journal of Labor Economics, Labour Economics, ILR Review, Journal of Human Resources, Journal of Econometrics, Journal of Public Economics, Journal of Policy Analysis and Management (JPAM), Demography, Health Affairs.*

OTHER PEER-REVIEWED WORK

Fisher, M. P., Ramchand, R., Bana, S., & Iguchi, M. Y. (2013). Risk behaviors among HIV-positive gay and bisexual men at party-oriented vacations. *Journal of Studies on Alcohol and Drugs*, 74(1), 158-167.

OTHER PRESS

MIT Sloan Ideas Made to Matter - What happens to industry and employment after COVID-19?

VOLUNTEER WORK

Biden-Harris Policy Volunteer

Various roles with Aga Khan Education Board for the United States (Board Member - West Region/Northeast Region, National Project Manager for Knowledge Societies and Fields of the Future, Honorary Secretary - Northeast)

CITIZENSHIP

United States