

Deepak Premkumar, Ph.D.

Contact Information	premkumar@ppic.org Academic Website												
Current Position	2020–present Research Fellow, Public Policy Institute of California												
Doctoral Studies	University of California, Berkeley Ph.D., Agricultural and Resource Economics (August 2020) DISSERTATION: “Essays in the Economics of Crime and Health Economics” RESEARCH INTERESTS: Economics of Crime and Policing, Health Economics, Public Economics, Law and Economics, Political Economy												
Prior Education	<table><tr><td>UC Berkeley</td><td>M.S. in Agricultural and Resource Economics</td><td>2016</td></tr><tr><td>Iowa State University</td><td>B.S. in Economics and Global Resource Systems</td><td>2014</td></tr><tr><td>Iowa State University</td><td>B.S. in Mathematics</td><td>2014</td></tr></table>	UC Berkeley	M.S. in Agricultural and Resource Economics	2016	Iowa State University	B.S. in Economics and Global Resource Systems	2014	Iowa State University	B.S. in Mathematics	2014			
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Publications	2019 McCrary, Justin, and Deepak Premkumar . 2019. “ Why We Need Police. ” Chapter 3. In <i>The Cambridge Handbook of Policing in the United States</i> , edited by Tamara Rice Lave and Eric J. Miller, 65-84. Cambridge: Cambridge University Press. doi:10.1017/9781108354721.004. 2013 Premkumar, Deepak , Austin Quackenbush, Georgeanne Artz, and Peter Orazem. 2013. “If You Build it, Will They Come?: Fiscal Federalism, Local Provision of Public Tourist Amenities, and the Vision Iowa Fund.” <i>The Review of Regional Studies</i> 43, no. 2, 3: 155-173.												
Teaching	<table><tr><td>UC Berkeley</td><td><i>Economic Development</i>, Agricultural and Resource Economics, Marco Navarro</td><td>2018</td></tr><tr><td>UC Berkeley</td><td><i>Water Economics</i>, Agricultural and Resource Economics, David Sunding</td><td>2018</td></tr><tr><td>UC Berkeley</td><td><i>Natural Resource Economics</i>, Agricultural and Resource Economics, Larry Karp</td><td>2017</td></tr><tr><td>UC Berkeley</td><td><i>Natural Resource Economics</i>, Agricultural and Resource Economics, Larry Karp</td><td>2016</td></tr></table>	UC Berkeley	<i>Economic Development</i> , Agricultural and Resource Economics, Marco Navarro	2018	UC Berkeley	<i>Water Economics</i> , Agricultural and Resource Economics, David Sunding	2018	UC Berkeley	<i>Natural Resource Economics</i> , Agricultural and Resource Economics, Larry Karp	2017	UC Berkeley	<i>Natural Resource Economics</i> , Agricultural and Resource Economics, Larry Karp	2016
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Activities	2020–2021 Grant Reviewer and Outreach Volunteer for Economists for Equity at Berkeley 2017–2019 Mentor for Undergraduate Research Apprentice Program, UC Berkeley 2017–2018 Health Policy and Legislative Assistant, Dr. John Paschen for Congress Tracked and analyzed policy proposals related to healthcare reform in the US, and then wrote health and tax policy briefings for the candidate to assist with positions 2018 Mentor for CEGA EASST Program, UC Berkeley Mentored Sam Muhula, an East African Visiting Fellow, who investigated how non-monetary incentives and social dynamics play a role in increasing retention for HIV treatment												
Talks	2021 ASSA Annual Meeting 2020 Cornerstone Research, US Treasury, Government Accountability Office, Federal Trade Commission, Yale’s Public Health Modeling Unit, Public Policy Institute of California, Doleac Economics of Crime seminar, APPAM 2019 Agricultural & Resource Economics departmental seminar, Law and Society Association, Berkeley Empirical Legal Studies seminar, Fernald Public Health Research Group 2018 Fernald Public Health Research Group 2017 International Health Economics Association 2014 Midwest Economics Association, State Capitol of Iowa (for lawmakers), Iowa State University’s Honors Symposium 2013 Heartland Global Health, State Capitol of Iowa, European Space Agency’s Living Planet Symposium												

Research Papers

“Intensified Scrutiny and Bureaucratic Effort: Evidence from Policing and Crime After High-Profile, Officer-Involved Fatalities” [Available here.](#)

This study explores whether public scrutiny of police officers induces change in their level of effort, empirically testing the *Ferguson Effect*. Leveraging the quasi-random timing of high-profile, officer-involved fatalities (OFs), this paper provides the first national analysis of this question with department-level data on arrests and crime. To include the variation when departments have multiple OFs, I develop an event study regression design which allows for numerous “events” per observational unit. However, since it is possible that an OF affects policing effort, community cooperation with identifying and locating suspects, civilian crime reporting, and offending behavior, it becomes difficult to disentangle which channels are occurring when interpreting any changes in arrests. The ambiguity is mitigated by developing a theoretical model which provides empirical predictions for each channel that result in differing arrest patterns based on offense type, providing information on which mechanism is salient. I find that arrests are reduced by 3.2% for all Part I offenses (murder, robbery, assault, burglary, theft, motor vehicle theft) following a high-profile OF. The decline is driven by reductions in theft arrests which are reduced by 9.2%. For clearances that have low benefit to the officer (e.g., disorderly conduct, marijuana possession, etc.), there is a sharper decrease in arrests of up to 24%. These findings are consistent with scrutiny being the channel for the change in arrests. The decline in effort for theft is temporary, while it persists for crimes with low social cost, representing a transition to a new equilibrium effort. Reductions in arrests occur for both black and white suspects, but are suggestively more prominent for black suspects in theft and marijuana possession.

“Rural Hospital Closings and Patient Welfare: The Effects of Closures on Quality and Availability of Hospitals ” with Peter Orazem and Dave Jones. *Draft available upon request.*

This study estimates a model of rural patient hospital choice between the nearest rural hospital, the nearest urban hospital, or the nearest research hospital. We present separate estimates for inpatient and outpatient visits, for different diagnoses, and for emergency and non-emergency admissions. The analyses illustrate the tradeoffs between hospital quality and distance in deciding whether to choose the nearest hospital or to travel farther for an alternative. The model parameters are used to simulate two hospital closing scenarios for both outpatient and inpatient data: 1) closing 25% of lowest quality rural hospitals and 2) closing 15% of the least used rural hospitals. Closing 25% of the lowest quality rural hospitals results in a 20.7% increase in expected distance and a 7.7% increase in expected hospital quality for those with inpatient ailments. Closing the least used hospitals modestly increases average distance but lowers average quality. We conclude that closing the lowest quality rural hospitals is a better policy prescription than closing the least used hospitals since closing low quality hospitals results in a substantial increase in average quality of hospital with only a slight increase in distance traveled for chosen hospitals.

Research in Progress

“Racial Stressors and Maternal Health: The Effect of High-Profile Fatal Encounters with Police on Pregnancy Outcomes”

“Understanding Civilian Deaths at Police Hands: Evidence from Crowdsourced Data” with Justin McCrary and Kaushik Krishnan.

“The Determinants of Police Misconduct” with Rebecca Goldstein.

“The Economic Impact of NBA Superstars: Evidence from Missed Games using Ticket Microdata from a Secondary Marketplace” with Scott Kaplan, Vaibhav Ramamoorthy, Cheenar Gupte, Amit Sagar, Joshua Wilbur, and David Zilberman. [Available here.](#)

• [Winner of the Best Poster Award](#), 13th Annual MIT Sloan Sports Analytics Conference, March 1–2, 2019

Professional Experience

UC Berkeley, Graduate Student Researcher 2015–2020
(Profs Rebecca Goldstein, Lia Fernald, Gabriel Zucman and Pierre Bachas, Paul Gertler)
International Growth Centre, Research Assistant for Sheetal Sekhri 2012–2013

Languages

English (native), Spanish (intermediate), Tamil (elementary), Swahili (elementary)

Grants, Fellowships, and Awards	2019	Outstanding Graduate Student Instructor Award, UC Berkeley
	2018–2019	Berkeley Empirical Legal Studies Graduate Fellowship
	2018	Horowitz Foundation for Social Policy Grant
	2018	Sacheti Family Fellowship Award
	2017	George Judge Endowed Graduate Student Support Fund
	2017	Graduate Division Summer Grant, UC Berkeley
Honors	2017	Iowa ‘STATEment Makers’, Iowa State University ISU’s highest young alumni honor: awarded to alumni for early personal and professional accomplishments and contributions to society
	2014	Wallace E. Barron All-University Senior Award, Iowa State University ISU’s highest honor: given to five graduating seniors who exemplify excellence
	2014	Cardinal Key Honors Society, Iowa State University ISU’s most prestigious honor society
	2014	Pi Mu Epsilon, National Mathematics Honors Society
	2013	National Finalist, Rhodes Scholarship
	2013	National Finalist, Truman Scholarship
	2013	University Honors Program Outstanding Member, Iowa State University
	2012	Phi Beta Kappa
	2012	Shakeshaft Scholar, Phi Beta Kappa Awarded to the outstanding member of Phi Beta Kappa majoring in the social sciences or humanities
	2012	RESULTS Emerging Activist Leaders Change Scholarship
	2012	Marcia F. & Donald J. Bisenius Scholar, Iowa State University Distinction in the Economics program
	2012	Kolschowsky Global Scholar, Iowa State University Distinction in the Global Resource Systems program
	2010	George Washington Carver Scholar, Iowa State University
Other Publications	2017	Deepak Premkumar , Dave Jones, and Peter F. Orazem. “ How Rural Hospital Closures Affect Rural Residents. ” <i>ARE Update</i> 20(4)(2017):5-8. University of California Giannini Foundation of Agricultural Economics.
	2017	Deepak Premkumar , Dave Jones, and Peter Orazem. “ Hospital Closure and Hospital Choice: How Hospital Quality and Availability Will Affect Rural Residents. ” <i>CARD Agricultural Policy Review</i> , Winter 2017.
	2013	Clark, Dylan G., Deepak Premkumar , Robert Mazur, and Elibariki Kisimbo. “Geospatial Resource Access Analysis In Hedaru, Tanzania,” <i>European Space Agency Living Planet Symposium</i> 722:250, 2013
Referee	<i>Review of Economics and Statistics</i>	
References	<u>Professor Michael Anderson</u> mlanderson@berkeley.edu +1 (510) 643-9676 Agricultural & Resource Economics	<u>Professor Steve Raphael</u> stevenraphael@berkeley.edu +1 (510) 643-0536 Goldman School of Public Policy
	<u>Professor Justin McCrary</u> jmccrary@law.columbia.edu +1 (212) 854-7992 Columbia Law School	<u>Professor Rebecca Goldstein</u> rgoldstein@berkeley.edu +1 (510) 644-5483 Berkeley Law School