

Deepak Premkumar

Contact Information	15 University Hall, UC Berkeley deepakp@berkeley.edu Personal Website +1 (515) 520-7650		
Doctoral Studies	University of California, Berkeley PhD, Agricultural and Resource Economics (Expected completion May 2020) DISSERTATION: "The Social Costs of Policing" PRIMARY FIELDS: Development Economics, Public Economics SECONDARY FIELDS: Labor Economics, Law and Economics, Political Economy		
	<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	
Placement Officers	<u>Professor Sofia Villas-Boas</u> sberto@berkeley.edu +1 (510) 409-4341	<u>Professor Max Auffhammer</u> auffhammer@berkeley.edu +1 (510) 643-5472	<u>Diana Lazo</u> lazo@berkeley.edu +1 (510) 642-3345
Prior Education	UC Berkeley Iowa State University Iowa State University	M.S. in Agricultural and Resource Economics B.S. in Economics and Global Resource Systems B.S. in Mathematics	2016 2014 2014
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	UC Berkeley UC Berkeley UC Berkeley UC Berkeley	<i>Economic Development</i> , Agricultural and Resource Economics, Marco Navarro <i>Water Economics</i> , Agricultural and Resource Economics, David Sunding <i>Natural Resource Economics</i> , Agricultural and Resource Economics, Larry Karp <i>Natural Resource Economics</i> , Agricultural and Resource Economics, Larry Karp	2018 2018 2017 2016
Grants, Fellowships, and Awards	2019 2018–2019 2018 2018 2017 2017	Outstanding Graduate Student Instructor Award, UC Berkeley Berkeley Empirical Legal Studies Graduate Fellowship Horowitz Foundation for Social Policy Grant Sacheti Family Fellowship Award George Judge Endowed Graduate Student Support Fund Graduate Division Summer Grant, UC Berkeley	

Research Papers

“Intensified Scrutiny and Bureaucratic Effort: Evidence from Policing After High-Profile, Officer-Involved Fatalities” (JOB MARKET PAPER)

This study explores whether public scrutiny of police officers induces change in their level of effort, empirically testing the *Ferguson Effect*. Leveraging the quasi-exogenous 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, and I employ it to assess local fluctuations in arresting intensity. However, since it is possible that an OF affects policing behavior, crime, and civilian cooperation with the reporting of crime and the clearing of offenses, it becomes difficult to disentangle which channels are occurring when interpreting any changes in arresting intensity. The ambiguity is mitigated by developing a theoretical model which provides empirical tests—disaggregated by race of offender and crime type—that predict how scrutiny from a fatality would result in reductions in effort, providing information on which mechanism is salient. I find that arresting intensity is reduced by about 2.5-7.5% for all Part I offenses (murder, robbery, assault, burglary, theft, motor vehicle theft) in the 1.5 years following a high-profile OF. The decline is mostly driven by reductions in theft arrests which are reduced by nearly 10%. For clearances that have low marginal benefit to the officer (e.g. disorderly conduct, marijuana possession, etc.), there is a distinctly sharper decrease in arrests of up to 20%. Reductions in arrests occur for both black and white suspects, but are noticeably more prominent for black suspects in theft and marijuana possession clearances.

“Rural Hospital Closings and Patient Welfare: The Effects of Closures on Quality and Availability of Hospitals ” with Peter Orazem and Dave Jones. *Under review.* [Available here.](#)

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 nonemergency 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”

This project explores the causal chain of how a subset of officer-involved fatalities (OFs)—ones that receive substantial attention because a perceived lack of “apparent reasonableness”—can be internalized as racial stressors in black populations, leading adverse health outcomes. Given that this set of OFs often result in community unrest, they could affect black maternal health. Maternal stress can raise corticosteroid levels, which can catalyze increases in fetal distress, decreases in birth weight, and subsequent increases in fetal and infant mortality. In this study, I focus on negative pregnancy outcomes such as low birth weight, preterm birth, and fetal death, providing novel evidence into what experiences are salient enough to instigate racial health disparities. In the future, health outcomes will also include cardiac episodes and complications from high blood pressure that lead to hospitalizations—other outcomes that can be plausibly linked to stress.

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

We link Department of Justice data on individual police departments to crowdsourced data on civilian deaths attributable to police officers in the US from 2013-2015. We then estimate the effect of various departmental practices on civilian deaths. Descriptively, we find that the official statistics collected by the FBI undercount at least two in every three killings by police officers. Our analysis suggests that even after controlling for state fixed effects, there are large impacts of screening mechanisms for hiring new officers and the racial diversity of the police force, although the direction of the effects are often perverse. Additionally, we find that incentive schemes and policing equipment are moderate predictors of civilian deaths. Finally, we find little or no evidence to suggest that highly publicized, and often expensive, community policing initiatives are associated with a reduction in police killings.

“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

Activities	2017–2019	Mentor for Undergraduate Research Apprentice Program, UC Berkeley Taught undergrads how to apply economic theory and econometric methods to evaluate a research question	
	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	
Professional Experience		UC Berkeley , Graduate Student Researcher (Profs Rebecca Goldstein, Lia Fernald, Gabriel Zucman and Pierre Bachas, Paul Gertler)	2015–2019
		International Growth Centre , Research Assistant for Sheetal Sekhri	2012–2013
Talks	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)	
	2013	Heartland Global Health, State Capitol of Iowa	
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	
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." *CARD Agricultural Policy Review*, Winter 2017.
- 2013 Clark, Dylan G., **Deepak Premkumar**, Robert Mazur, and Elibariki Kisimbo. "Geospatial Resource Access Analysis In Hedaru, Tanzania," *European Space Agency Living Planet Symposium* 722:250, 2013

Languages

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