

# BRADLEY J. BARTOS

Department of Criminology, Law and Society  
University of California, Irvine  
3358 Social Ecology II  
Irvine, CA 92697-7080  
(708) 250-2795  
[bbartos@uci.edu](mailto:bbartos@uci.edu)

## EDUCATION

---

Ph.D.	<b>University of California, Irvine</b> Criminology, Law & Society	Spring 2020 (Expected)
	<i>Dissertation:</i> Methodological Foundations of the Synthetic Control Group Design: Formalizing Model Construction for Case Study Applications in Social Science	
	<i>Committee:</i> Richard D. McCleary (chair), Bryan L. Sykes, Charis E. Kubrin, John R. Hipp, & Charles C. Ragin.	
M.A.	<b>University of California, Irvine</b> Social Ecology	2016
	<b>Purdue University</b>	2013
B.S.	Psychological Sciences	
B.A.	Law & Society	

## SCHOLARLY INTERESTS

---

Time Series Analysis, Causal Inference, Quasi-Experiments, Synthetic Control Group Designs, Mass Incarceration, Discrete-Event Simulation, Forensic Populations, Drug and Firearm Policies

## PUBLICATIONS

---

### Books

McDowall, D., McCleary, R., & **Bartos, B. J.** (2019). *Interrupted Time Series Analysis*. Oxford University Press.

McCleary, R., McDowall, D., & **Bartos, B. J.** (2017). *Design and Analysis of Time Series Experiments*. Oxford University Press.<sup>1</sup>

---

<sup>1</sup> Review forthcoming (2019) in the *Journal of Experimental Criminology*

### Articles Published in Refereed Journals

- Bartos, B. J.**, Mazerolle, L., & McCleary, R. (2019). Controlling gun violence: Assessing the impact of Australia's gun buyback program using a synthetic control group experiment. *Prevention Science*
- Bartos, B. J.**, Kubrin, C., Newark, C., and McCleary, R. (2019). "Medical marijuana laws and suicide." *Archives of Suicide Research*
- Bartos, B. J.**, Newark, C. & McCleary, R. (2018). Medical marijuana and motor vehicle fatalities: A synthetic control approach to California's Compassionate Use Act. *Experimental Criminology*
- Bartos, B. J.**, & Kubrin, C. E. (2018). Can we downsize our prisons and jails without compromising public safety? Findings from California's Prop 47. *Criminology & Public Policy*, 17(3).
- Bartos, B.J.**, Renner, M., Newark, C., McCleary, R., & Scurich, N. (2017). Characteristics of forensic patients in California with dementia/Alzheimer's disease. *Journal of Forensic Nursing*.
- Renner, M., Newark, C., **Bartos, B. J.**, McCleary, R., & Scurich, N. (2017). Length of stay for 25,791 California patients found incompetent to stand trial. *Journal of Forensic & Legal Medicine*, 51, 22–26.

### Technical Reports

- Renner, M., **Bartos, B. J.**, Newark, C., & McCleary, R. (2018). *6 Month validation and accuracy assessment for UCI DSH projection model version 2.0*. Report submitted to California Department of State Hospitals.
- Bartos, B. J.**, Newark, C., Renner, M., & McCleary, R. (2015). *The DSH prototype model: year-one report*. Report submitted to California Department of State Hospitals.
- Bartos, B. J.**, Newark, C., Renner, M., & McCleary, R. (2015). *The LASD prototype model: year-one report*. Report submitted to Los Angeles County Sheriff's Department.
- McCleary, R., Erlanger, C., & **Bartos, B.J.** (2014). *SOMS model version 1.0: 48-month population Projections*. Report submitted to the California Department of Corrections and Rehabilitation Office of Research.

### Works In-Progress

- Bartos, B. J.**, McCleary, R., McDowall, D. (Drafting). *Synthetic Control Designs: Methodological Foundations for Social Science Applications*. Oxford University Press.
- Bartos, B. J.**, McCleary, R., Renner, M. (Drafting). *Projecting Institutional Populations through Discrete Event Simulation: An Application of SAS Simulation Studio to State-level Forensic Mental Health Systems*. SAS Press.

**Bartos, B. J.,** McCleary, R., Kubrin, C. The Greek Sovereign Debt Crisis, austerity measures, and Suicide rates among vulnerable groups: A synthetic control approach.

**Bartos, B. J.,** McCleary, R., Newark, C. Tautology in criminological theory.

**Bartos, B. J.** The diminishing returns of incarceration: Evidence from California's Substance Abuse and Crime Prevention Act (SACPA).

#### Other Publications

Kubrin, C., & **Bartos, B. J.** (2018). The Myth that Crime Rises as Prisons Shrink. *Governing Magazine*. Retrieved from <https://www.governing.com/gov-institute/voices/california-proposition-47-downsizing-prisons-crime-rates.html>

**Bartos, B. J.,** & McCleary, R. (2015). Generic Discrete-Event Simulation Model of a Prison. Available at SSRN: <http://ssrn.com/abstract=2622783>

#### **PROFESSIONAL PRESENTATIONS**

---

**Bartos, B. J.,** Mazerolle, L., & McCleary, R. (2018). *Life and Death Decisions: Estimating the Causal Impact of Australia's Gun Buyback Program on Homicide and Suicide*. Presented at the American Society of Criminology – 74th Annual Meeting, Atlanta, GA, November 14.

**Bartos, B. J.,** Renner, M., & McCleary, R. (2018). *Discrete-event simulation models: Forensic Applications*. Presentation to the National Association of State Mental Health Program Directors annual Board of Directors meeting, Washington D.C., July 24.

**Bartos, B. J.,** Mioduszewski, M., Renner, M., & McCleary, R. (2017). *An application of discrete event simulation for planning and resource allocation in a state hospital system servicing both criminal and civil commitments* (pp. 4509–4511). Presented at the Winter Simulation Conference Hosted by IEEE.

**Bartos, B. J.** (2017). *Synthetic control group methodology and the effects of marijuana medicalization in California*. Presented at the American Society of Criminology – 73<sup>rd</sup> Annual Meeting, Philadelphia, PA, November 16.

**Bartos, B. J.** (2017). *The Effect of Marijuana Medicalization in California on Motor Vehicle Fatalities*. Presented at the Western Society of Criminology Annual Conference, Las Vegas, NV, February 10-11.

- Bartos, B. J.** (2016). *Medical Marijuana and Motor Vehicle Fatalities: A Synthetic Control Approach to California's Compassionate Use Act*. Presented at the Orange County Long Beach Chapter of the American Statistical Association's Annual Poster Symposium, Irvine, CA, December 10.
- Bartos, B. J** and McCleary, R. (2016). *Medical Marijuana and Motor Vehicle Fatalities: A Synthetic Control Approach to California's Compassionate Use Act*. Presented at the American Society of Criminology – 72nd Annual Meeting, New Orleans, LA, November 18.
- Bartos, B. J.,** & McCleary, R. (2016). *Marijuana Medicalization in California: Public Health & Safety Outcomes*. Presented at the Association for Criminal Justice Research- California Annual Fall Conference, Irvine, CA, October 20-22.
- Bartos, B. J.** (2015). The Impact of California's Public Safety Realignment Act (PSRA) on Crime Rates: A Synthetic Control Time Series Experiment. In panel titled: New Developments in Statistical Modeling and Causal Analysis. Presented at the American Society of Criminology - 71st Annual Meeting, Washington, DC.
- Bartos, B. J,** Erlanger, C., & McCleary, R. (2015). *Unintended Consequences of California's Public Safety Realignment*. Presented at the Western Society of Criminology Annual Conference, Phoenix, AZ, February 19-21.
- Bartos, B. J.** (2014). *Understanding the Impact of California's Realignment of Corrections on Race and Ethnic Minority Group Offenders*. Presented at the American Society of Criminology Annual Conference, San Francisco, CA, November 17-20.

## RESEARCH APPOINTMENTS

---

- 2014-2019 Model Architect, Graduate Student Researcher  
California Department of State Hospitals Population Projections Contract.  
With Richard D. McCleary and Bryan L. Sykes.
- 2014-2017 Model Architect, Graduate Student Researcher  
Los Angeles County Sheriff's Department Population Projections Contract.  
Principal Investigator: Richard D. McCleary.
- 2013-2014 Graduate Student Researcher  
California Department of Corrections Population Projections Contract.  
With Richard D. McCleary, Susan F. Turner, and Bryan L. Sykes.

## GRANTS, FELLOWSHIPS, AWARDS, AND STIPENDS

---

- DSH Research Contract- ~\$750,000 2015- 2019
- LASD Research Contract - ~\$250,000 2015- 2017
- CDCR Research Contract - ~\$15,000 2014- 2015
- Social Ecology Dean's Dissertation Fellowship- ~\$ 15,000 2019
- Martha Newkirk Award for Excellence in Graduate Student Research- \$1,000 2018-19
- Departmental Commendation (annual performance) - \$500/year 2014, '16, '17, '18, '19
- Kitty Calavita Award for outstanding pre-dissertation research project-\$750 2016
- Graduate Student Mentoring Award- \$200 2014
- Martha Newkirk Fellowship- ~\$15,000 2013

## TEACHING EXPERIENCE

---

- Spring 2019 "Statistical Data Analysis II (Regression/Econometrics)." With John R. Hipp.  
Graduate course with two labs. Statistical software used: Stata.
- Spring 2017 "Statistical Data Analysis II (Regression/Econometrics)." With John R. Hipp.  
Graduate course with two labs. Statistical software used: Stata.
- Spring 2014 "Criminological Theory." With Bryan Burton.  
Undergraduate Course with two discussion sections.
- Winter 2014 "Introduction to Criminology, Law & Society." With William Thompson.  
Undergraduate Course with ~400 enrolled students.

## **PROFESSIONAL SERVICE**

---

### Editorial Service

2019 - present    Managing Editor- *Sociological Perspectives*

### Referee Activities

*Criminology*  
*Journal of Quantitative Criminology*  
*Experimental Criminology*  
*Criminology & Public Policy*

*Justice Quarterly*  
*Accident Analysis and Prevention*  
*Punishment & Society*

### Departmental Service and Research Lab Affiliations

2015 - 2016    Graduate Student Representative  
2015 - present    Irvine Simulation & Modeling Laboratory

## **REFERENCES**

---

Professor Richard D. McCleary    University of California, Irvine  
Department of Criminology, Law & Society  
3315 Social Ecology II  
Irvine, California 92697-7080  
(949) 285-7620  
[mcclary@uci.edu](mailto:mcclary@uci.edu)

Professor Charis E. Kubrin    University of California, Irvine  
Department of Criminology, Law & Society  
3379 Social Ecology II  
Irvine, California 92697-7080  
(949)824-0704  
[ckubrin@uci.edu](mailto:ckubrin@uci.edu)

Assistant Professor Bryan L. Sykes    University of California, Irvine  
Department of Criminology, Law & Society  
3317 Social Ecology II  
Irvine, California 92697-7080  
(949) 824-9583  
[bsykes@uci.edu](mailto:bsykes@uci.edu)