Greg Ridgeway

Rebecca W. Bushnell Professor of Criminology
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Education

- **Ph.D. – Statistics (1999)**
  Dissertation: *Generalization of Boosting Algorithms and Applications of Bayesian Inference to Massive Datasets*
  Department of Statistics, University of Washington, Seattle, WA
  Advisors: David Madigan and Thomas Richardson

- **M.S. – Statistics (1997)**
  Department of Statistics, University of Washington, Seattle, WA

- **B.S. – Statistics (1995)**
  California Polytechnic State University, San Luis Obispo, CA

Professional Experience

- **8/2014–present**, Department of Criminology and Department of Statistics and Data Science, University of Pennsylvania

  - Rebecca W. Bushnell Professor of Criminology (7/2022–present)

  - Full Professor (7/2020–present)

  - Data-Driven Discovery Initiative, Co-director (2021–present)

  - Chair, Department of Criminology (7/2019–6/2025)

  - Associate Professor (8/2014–6/2020)

  - Undergraduate Chair (7/2023–6/2024)

- Quattrone Center for the Fair Administration of Justice, Penn Law (8/2015–present)

- Center for Causal Inference, Perelman School of Medicine (8/2016–present)

- Graduate Group in Epidemiology and Biostatistics, Perelman School of Medicine (12/2017–present)

- Warren Center for Network and Data Science, SEAS (3/2023–present)

- Population Studies Center (1/2024–present)

- **1/2021–12/2025**, Co-editor-in-chief, *Journal of Quantitative Criminology*

- **7/2012–7/2014**, National Institute of Justice, U.S. Department of Justice
  Directed the Department of Justice's science agency (approximately 80 staff; $250M/year), advancing science and innovation in forensics, technology, and social science

  - Acting Director (1/2013–7/2014)

  - Deputy Director, Senior Executive Service (7/2012–7/2014)

- **7/2000–6/2012**, RAND Corporation
  Led a major research portfolio on policing, courts, corrections, gangs, guns, drugs, and justice policy (approximately 50-person research team; ~40 proposals/year; ~$10M/year projects)

  - RAND Safety & Justice Program, Director (1/2009–6/2012)

  - RAND Center on Quality Policing, Director (1/2008–6/2012)

  - RAND Safety & Justice Program, Acting Director (11/2007–1/2009)

  - RAND Statistics Group, Senior Statistician (5/2007–6/2012)

  - RAND Safety & Justice Program, Associate Director (8/2006–11/2007)

  - [RAND Statistics Group](https://www.rand.org/statistics.html, Full Statistician (5/2003–5/2007)

  - [RAND Statistics Group](https://www.rand.org/statistics.html, Associate Statistician (7/2000–5/2003)

- **7/2001–8/2001**, Department of Sociology, University of Washington — Visiting Scholar

- **9/1999–6/2000**, Department of Statistics, University of Washington — Lecturer

- **6/1996–9/1997**, Microsoft Research — Research assistant

- **9/1993–9/1995**, California Department of Mental Health, Atascadero State Hospital — Research assistant (Clinical Safety Project)

- **8/1994–9/1995**, UC Berkeley Cooperative Extension — Research assistant (Integrated Hardwood Range Management Program)

University Service

- **2021–present**, Co-director, Data Driven Discovery Initiative
  Launched a new data science initiative; staffing; post-doc program; data science for social good; seed grants; data science minor (with Bhuv Jain)

- **2022–present**, Committee member, Senate Committee on Students and Educational Policy
  Advises on admissions, instruction, academic integrity, teaching evaluation, grading policies, student records, disciplinary systems, and campus environment

- **2019–2025**, Chair, Department of Criminology
  Stimulated grant- and donor-funded research (especially Philadelphia justice policy analysis); secured strategic senior hires; seeded crime policy lab

- **2021–2024**, Committee member, Committee on Planning and Priorities
  Advises SAS on emerging issues in education, research, and operations

- **2019–2021**, SAS Data Driven Discovery Working Group
  Strategic planning on hiring, programming, data science coverage, and new opportunities

- **2014–2023**, Director, Master of Science in Criminology program
  Admissions; career planning; alumni network; placements; joint programs (Fels, SP2, Law)

- **2018–2022**, Committee member, Committee on Undergraduate Education
  Advises Dean and faculty on SAS undergraduate educational mission

- **2018–2020**, Committee member, Vice Provost for Education Fellowship Selection Committee
  Selects nominees for limited-submission fellowships

Awards

- **2025**, Fellow, American Society of Criminology

- **2024**, Fellow, Academy of Experimental Criminology

- **2013**, Fellow, American Statistical Association

- **2007**, American Statistical Association Outstanding Statistical Application Award (with J. Grogger) for "Testing for racial profiling in traffic stops from behind a veil of darkness."
  RAND Gold Medal Award for contributions advancing RAND's mission.
- **2005**, Commendation by ATF Los Angeles Field Division and the Attorney General of California for contributions to reducing firearms-related crimes in Los Angeles.
  RAND President's Choice Award for developing pioneering methods for racial profiling.

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- **1999**, Z.W. Birnbaum Award (UW Department of Statistics) for excellence in research and presentation.

Patent Awards

- **2014**
  — US Patent 8,719,210: "System and Method for Medical Treatment Hypothesis Testing." Granted May 6, 2014

- **2013**
  — US Patent 8,538,906: "System and method for medical treatment hypothesis testing using relative likelihood of treatment results." Granted September 17, 2013

- **2003**
  — US Patent 6,606,613: "Methods and apparatus for using task models to help computer users complete tasks." Granted August 12, 2003

- **2001**
  — US Patent 6,330,554: "Methods and apparatus using task models for targeting marketing information to computer users based on a task being performed." Granted December 11, 2001
  — US Patent 6,195,622: "Methods and apparatus for building attribute transition probability models for use in pre-fetching resources." Granted February 27, 2001

- **2000**
  — US Patent 6,154,767: "Methods and apparatus for using attribute transition probability models for pre-fetching resources." Granted November 28, 2000
  — US Patent 6,088,718: "Methods and apparatus for using resource transition probability models for pre-fetching resources." Granted July 11, 2000
  — US Patent 6,012,052: "Methods and apparatus for building resource transition probability models for use in pre-fetching resources, editing resource link topology, building resource link topology templates, and collaborative filtering." Granted January 4, 2000

Grants and Contracts

- **2020–2023** — Principal Investigator, "Prosecutors and Criminal Justice Reform: Independent Research Partnership with the Philadelphia District Attorney's Office," Arnold Ventures, $2,509,009 (with Aurelie Ouss)

- **2020–2022** — Co-Principal Investigator, "Evaluation of Philadelphia Group Violence Intervention," Urban Affairs Coalition and Philadelphia Office of Violence Prevention, $150,269 (with Ruth Moyer)

- **2020–2022** — Principal Investigator, "Crime Prevention Through Intelligence & Information Sharing," Neubauer Family Foundation, $543,298 (with Aaron Chalfin)

- **2016** — Site PI, "Disrupting Illegal Gun Transfers," NIJ (prime: RAND), 2013-R2-CX-0016, $42,118

- **2015–2016** — Site PI, "Replication of the Cardiff Violence Prevention Model in the United States," RWJF (prime: NFCDC&PI), Grant 72352, $213,572

- **2011–2012** — Program Director, "Developing the Center of Research and Security Studies," Ministry of Interior, Abu Dhabi, $1,500,000

- **2010–2012** — Co-PI, "NLECTC Information and Geospatial Technology Center of Excellence," NIJ 2010-IJ-CX-K007, $6,000,000 (with John Hollywood)

- **2010–2012** — Co-PI, "Experimental Evaluation of the BJA DMI Training and Technical Assistance Initiative," BJA 2010-DJ-BX-1672, $2,900,000 (with Beau Kilmer and Jessica Saunders)

- **2010–2012** — Co-PI, "Enabling the Police to Serve the Needs of 21st Century Israel," Israel Ministry of Public Security and RAND Israel Policy Fund, $1,600,000 (with Steven Popper)

- **2010–2012** — Principal Investigator, "Predictive Policing Analytic and Evaluation Research Support," NIJ 2009-IJ-CX-K114, $1,084,846

- **2008–2010** — Principal Investigator, "Case weighting for federal public defender services," AOUSC USCA08F0404, $564,510 (with Nick Pace)

- **2008–2012** — Principal Investigator, "Evaluation of the Los Angeles County Juvenile Justice Crime Prevention Act Programs," LA County Probation, $1,610,000 (with Terry Fain and Susan Turner)

- **2008** — Principal Investigator, "Development of internal benchmarking system," New York City Police Foundation, $32,000

- **2007** — Principal Investigator, "Assessment of racial bias in NYPD stop, question, and frisk practices," New York City Police Foundation, $120,000

- **2007–2008** — Principal Investigator, "Strategies for improving police recruiting," San Diego Police Department, $160,000

- **2006–2007** — Co-PI, "Analysis of Graduate Driver Licensing…," NICHD 1R03HD052547-01, $184,122 (with Pinar Karaca-Mandic)

- **2004–2009** — Principal Investigator, "Improving Police-Community Relations in Cincinnati," City of Cincinnati 45X0028, $1,581,300

- **2002–2004** — Principal Investigator, "DOJ Racial Profiling Initiative," City of Oakland EM3.20.02, $75,000

- **2001–2008** — Co-PI, "Strategic Disruption of Firearms Markets," NIJ 2001-IJ-CX-0028,

$647,952 (with George Tita)

- **2001–2002** — Principal Investigator, "Data mining and Columbia counterdrug strategies," Office of the Secretary of Defense (three projects) $57,845, $27,965, $19,165

Publications

Working papers

Ridgeway, G., & Loeffler, C. (2027). "Crime Statistics," *Annual Review of Statistics and Its Applications*, 14.

Gyourko, J. R., & Ridgeway, G. "Safeguarding the Credit Records of Youth in Foster Care: What Interventions Reduce Risk of Child Identity Fraud?"

Peer-reviewed articles

G. Ridgeway (to appear). "A Conditional Ordinal Stereotype Model to Estimate Police Officers' Propensity to Escalate Force," *Journal of the American Statistical Association*. (Data and code)

F.A. Amaral, C. Loeffler, & G. Ridgeway (2024). "Prosecutorial discretion not to invoke the criminal process and its impact on firearm cases," *Journal of Criminal Justice*, 95:102313.

J.R. Gyourko & G. Ridgeway (2024). "Predictors of Identity Fraud Victimization of Adolescent Youth in Foster Care," *Victims & Offenders*.

V. Nguyen & G. Ridgeway (2023). "Judges on the Benchmark: Developing a Sentencing Feedback System," *Justice Quarterly*, 41(1):1–37.

E.C. South, J.M. MacDonald, V.W. Tam, G. Ridgeway, C.C. Branas (2023). "Effect of Abandoned Housing Interventions on Gun Violence, Perceptions of Safety, and Substance Use in Black Neighborhoods: A Citywide Cluster Randomized Trial," *JAMA Internal Medicine* 183(1):31-39.

Z. F. Meisel, F. Shofer, A. Dolan, E. B. Goldberg, K. V. Rhodes, E. P. Hess, V. R. Bellamkonda, J. Perrone, C. C. Cannuscio, L. Becker, M. A. Rodgers, M. M. Zyla, J. J. Bell, S. McCollum, E. Engel-Rebitzer, M. J. Nguemeni Tiako, G. Ridgeway, and M. M. Schapira (2022). "A multicentered randomized controlled trial comparing the effectiveness of pain treatment communication tools in emergency department patients with back pain or kidney stone pain," *American Journal of Public Health* 112(S1):S45-S55.

G. Ridgeway, J. Rosenberger, and L. Xue (2021). "Statisticians Engage in Gun Violence Research," *Statistics and Public Policy* 8(1):73-79.

Y. Wu and G. Ridgeway (2021). "Effect of Public Transit on Crime: Evidence from SEPTA strikes in Philadelphia," *Journal of Experimental Criminology* 17:267-286.

G. Ridgeway, B. Cave, J. Grieco, and C.E. Loeffler (2021). "A Conditional Likelihood Model of the Relationship Between Officer Features and Rounds Discharged in Police Shootings," *Journal of Quantitative Criminology* 37(1):303-326.

R. Moyer and G. Ridgeway (2020). "The Effect of Outpatient Methadone Maintenance Treatment Facilities on Place-Based Crime," *Journal of Experimental Criminology* 16(2):227–245.

G. Ridgeway, R. Moyer, and S. Bushway (2020). "Sentencing Scorecards: Reducing Racial Disparities in Prison Sentences at Their Source," *Criminology & Public Policy* 19(4):1113-1138.

G. Ridgeway (2020). "The Role of Individual Officer Characteristics in Police Shootings," *The ANNALS of the American Academy of Political and Social Science* 687(1):58-66. (technical appendix showing the decomposition of information)

G. Ridgeway, J. Grogger, R.A. Moyer, and J.M. MacDonald (2019). "Effect of Gang Injunctions on Crime: A Study of Los Angeles from 1988-2014," *Journal of Quantitative Criminology* 35(3):517-541.

C.E. Loeffler, J.M. Hyatt, and G. Ridgeway (2019). "Measuring Self-Reported Wrongful Convictions Among Prisoners," *Journal of Quantitative Criminology* 35(2):259-286.

R. Moyer, J.M. MacDonald, G. Ridgeway, and C. Branas (2019). "Effect of Remediating Blighted Vacant Land on Shootings: A Citywide Cluster Randomized Trial," *American Journal of Public Health* 109(1):140-144.

G. Ridgeway, M. Nørgaard, T.B. Rasmussen, W.D. Finkle, L. Pedersen, H.E. Bøtker, and H.T. Sørensen (2019). "Benchmarking Danish Hospitals on Mortality and Readmission Rates After Cardiovascular Admission," *Clinical Epidemiology* 11:67-80.

Ridgeway, G. (2019). "Experiments in Criminology," *Annual Review of Statistics and Its Applications*, 6:37–61.

O. Mitchell and G. Ridgeway (2018). "Assessing the Fairness and Effectiveness of Bicycle Stops in Tampa," *Police Quarterly* 21(4):461-485.

J. Lyons, V. Desai, Y. Xu, G. Ridgeway, W. Finkle, P. Solari, S. Sullivan, S. Lanes (2018). "Development and Validation of an Algorithm for Identifying Patients with Hemophilia A in an Administrative Claims Database," *Value in Health* 21(9):1098-1103.

S.F. Jacoby, L.M. Kollar, G. Ridgeway, S.A. Sumner (2018). "Health System and Law Enforcement Synergies for Injury Surveillance, Control and Prevention: A Scoping Review," *Injury Prevention* 24:305-311.

V. Bacak and G. Ridgeway (2018). "Availability of Health-Related Programs in Private and Public Prisons," *Journal of Correctional Health Care* 24(1):62-70.

S.-L. Faraji, G. Ridgeway, and Y. Wu (2018). "Effect of Emergency Winter Homeless Shelters on Property Crime," *Journal of Experimental Criminology* 14(2):129-140.

G. Ridgeway (2018). "Policing in the Era of Big Data," *Annual Review of Criminology*, 1:401–419.

R. Umbach, A. Raine, and G. Ridgeway (2017). "Aggression and Lost Sleep: a Daylight Saving Time Natural Experiment," *Journal of Experimental Criminology* 13(4):439-453.

G. Ridgeway (2017). "Stop-and-Frisk is Essential… and Requires Restraint," *Journal of Policy Analysis and Management* 36(3):683–689 (with discussion and rejoinder).
G. Ridgeway and J.M. MacDonald (2017). "Effect of Rail Transit on Crime: A Study of Los Angeles from 1988-2014," *Journal of Quantitative Criminology* 33(2):277-291.

G. Ridgeway and B. Kilmer (2016). "Bayesian inference for the distribution of grams of marijuana in a joint," *Drug and Alcohol Dependence* 165:175–180.

G. Ridgeway (2016). "Officer Risk Factors Associated with Police Shootings: A Matched Case-Control Study," *Statistics and Public Policy* 3(1):1-6.

G. Ridgeway, S. Kovalchik, B.A. Griffin, and M.U. Kabeto (2015). "Propensity score analysis with survey weighted data," *Journal of Causal Inference* 3(2):237-249.

J. Saunders, R. Lundberg, A.A. Braga, G. Ridgeway, and J. Miles (2015). "A Synthetic Control Approach to Evaluating Placed-Based Crime Interventions," *Journal of Quantitative Criminology* 31(3):413-434.

W.D. Finkle, S. Greenland, G. Ridgeway, J.L. Adams, M.A. Frasco, M.B. Cook, J.F. Fraumeni, R.N. Hoover (2014). "Increased Risk of Non-fatal Myocardial Infarction Following Testosterone Therapy Prescription in Men," *PLOS One* 9(1):e85805.

G. Ridgeway & J.M. MacDonald. "A Method for Internal Benchmarking of Criminal Justice System Performance," *Crime & Delinquency*, 60(1):145–162.

A.A. Braga, G.J. Wintemute, G.L. Pierce, P.J. Cook, and G. Ridgeway (2012). "Interpreting the empirical evidence on illegal gun market dynamics," *Journal of Urban Health* 89(5):779-93.

D. Golinelli, G. Ridgeway, H. Rhoades, J. Tucker and S. Wenzel (2012). "Bias and variance trade-offs when combining propensity score weighting and regression: with an application to HIV status and homeless men," *Health Services and Outcomes Research Methodology* 12(2-3):104-118.

W.D. Finkle, J.S. Der, S. Greenland, J.L. Adams, G. Ridgeway, T. Blaschke, Z. Wang, R.M. Dell, and K.B. VanRiper (2011). "Risk of Fractures Requiring Hospitalization After an Initial Prescription for Zolpidem, Alprazolam, Lorazepam, or Diazepam in Older Adults," *Journal of the American Geriatrics Society* 59(10):1883-1890.

G. Ridgeway, A. Braga, G. Tita, and G. Pierce (2011). "Intervening in gun markets: An experiment to assess the impact of targeted gun law messaging," *Journal of Experimental Criminology* 7(1):103-109.

J.M. MacDonald, R.J. Stokes, D. Cohen, A. Kofner, and G. Ridgeway (2010). "The Effect of Light Rail Transit on Body Mass Index and Physical Activity," *American Journal of Preventive Medicine* 39(2):105–112.

P. Karaca-Mandic and G. Ridgeway (2010). "Behavioral Impact of Graduated Driver Licensing on Teenage Driving Risk and Exposure," *Journal of Health Economics* 29:48-61.

G. Ridgeway and J.M. MacDonald (2009). "Doubly Robust Internal Benchmarking and False Discovery Rates for Detecting Racial Bias in Police Stops," *Journal of the American Statistical Association* 104(486):661–668.

R. Lin, T.A. Louis, S.M. Paddock, G. Ridgeway (2009). "Ranking USRDS provider specific SMRs from 1998-2001," *Health Services and Outcomes Research Methodology* 9(1):22-38.

R.J. Stokes, J.M. MacDonald, and G. Ridgeway (2008). "Estimating the effects of light rail transit on health care costs," *Health & Place* 14(1):45-58.

MacDonald, J.M., R.J. Stokes, G. Ridgeway, and K.J. Riley (2007). "Race, Neighborhood context, and perceptions of injustice by the police," *Urban Studies* 44(13):2567-2585.

D.F. McCaffrey, A.R. Morral, and G. Ridgeway, B.A. Griffin (2007). "Interpreting treatment effects when cases are institutionalized after treatment," *Drug and Alcohol Dependence* 89(2-3):126-138.

G. Tita and G. Ridgeway (2007). "The impact of gang formation on local patterns and levels of crime," *Journal of Research in Crime and Delinquency* 44(2):208-237.

R.N. Bluthenthal, G. Ridgeway, T. Schell, R. Anderson, N.M. Flynn, and A.H. Kral (2007). "Examination of the association between syringe exchange program (SEP) dispensation policy and SEP client-level syringe coverage among injection drug users," *Addiction* 102(4):638-646.

R. Boer, Y. Zheng, A. Overton, G. Ridgeway, D. Cohen (2007). "Neighborhood Design and Walking Trips in 10 U.S. Metropolitan Areas," *American Journal of Preventive Medicine* 32(4):298-304.

R. Lin, T.A. Louis, S.M. Paddock, and G. Ridgeway (2006). "Loss Function Based Ranking in Two-Stage Hierarchical Models," *Bayesian Analysis* 1(4):915-946.

G. Tita, A. Braga, G. Ridgeway, G. Pierce (2006). "The criminal purchase of firearm ammunition in Los Angeles, California," *Injury Prevention* 12:308-311.

J. Grogger and G. Ridgeway (2006). "Testing for racial profiling in traffic stops from behind a veil of darkness," *Journal of the American Statistical Association* 101(475):878-887. ASA 2007 Outstanding Statistical Application Award

S.M. Paddock, G. Ridgeway, R. Lin, T.A. Louis (2006). "Flexible distributions for triple-goal estimates in two-stage hierarchical models," *Computational Statistics and Data Analysis* 50(11):3243-3262.

G. Ridgeway (2006). "Assessing the effect of race bias in post-traffic stop outcomes using propensity scores," *Journal of Quantitative Criminology* 22(1):1-29. Example code and dataset.

D.A Cohen, T.A. Farley, K. Mason, G. Ridgeway (2006). "The collectivity of sexual behaviour," *International Journal of STD & AIDS* 17(3):151-156.

C. Guarino, G. Ridgeway, M. Chun, and R. Buddin (2005). "Latent Variable Analysis: A New Approach to University Ranking," *Higher Education in Europe* 30(2):147-165.

D. McCaffrey, G. Ridgeway, A. Morral (2004). "Propensity score estimation with boosted regression for evaluating adolescent substance abuse treatment," *Psychological Methods* 9(4):403-425. [Included in J. Miles and B. Stucky (editors) (2014). Quantitative Psychology, SAGE Publications.]

A.R. Morral, D.F. McCaffrey, G. Ridgeway (2004). "Effectiveness of community-based treatment for substance abusing adolescents: 12-month outcomes from a case-control evaluation of a Phoenix Academy," *Psychology of Addictive Behaviors* 18(3):257-268.

G. Ridgeway and D. Madigan (2003). "A sequential Monte Carlo method for Bayesian analysis of massive datasets," *Data Mining and Knowledge Discovery* 7(3):301-319.

D. Relles, G. Ridgeway, and G. Carter (2003). "Data mining and the implementation of a prospective payment system for inpatient rehabilitation," *Health Services and Outcomes Research Methodology* 3:247-266.

G.M. Carter, D.A. Relles, G. Ridgeway, C.M. Rimes (2003). "Measuring function for Medicare inpatient rehabilitation payment," *Health Care Financing Review* 24(3):25-44.

G. Ridgeway and D. Madigan (2002). "Bayesian analysis of massive datasets via particle filters," *Proceedings of the Eighth ACM SIGKDD International Conference on Knowledge Discovery and Data Mining*, 5-13.

D. Madigan, N. Raghavan, W. DuMouchel, M. Nason, C. Posse, and G. Ridgeway (2002). "Instance construction via likelihood-based data squashing," *Data Mining and Knowledge Discovery* 6(2):173-190.

G. Ridgeway (2002). "Looking for Lumps: Boosting and bagging for density estimation," *Computational Statistics and Data Analysis* 38(4):379-392. (R script)

G. Ridgeway, D. Madigan, T. Richardson, and J. O'Kane (1998). "Interpretable boosted naïve Bayes classification," *Proceedings, Fourth International Conference on Knowledge Discovery and Data Mining* (R. Agrawal, P. Stolorz, G. Piatetsky-Shapiro, eds.), 101-104.

Software development

- **fastDR — Fast Doubly Robust Estimation**
  Implements doubly robust treatment effect estimation using boosted propensity scores and weighted GLMs.
  Development: https://github.com/gregridgeway/fastDR

- **gbm — Generalized Boosted Regression Models**
  Gradient boosting and related models (C++ engine, R frontend).
  Development: https://github.com/gbm-developers/gbm

Presentations

(This section is long on the original page; paste in additional items as needed. A few examples follow.)

- 2020 — "Modern Benchmarking and the Search for Unusual Hospitals, Communities, and Cops," Keynote, Health Policy Statistics Section, Joint Statistical Meetings (virtual).
- 2019 — "Officer Features and Shooting Risk," Inaugural Ingram Olkin S3 Forum, American Statistical Association, Alexandria, VA.
- 2018 — "Criminological Data Science," Fields Institute, University of Toronto, Toronto, Canada.

Professional activities

- 2021–2025 — Editor-in-chief, *Journal of Quantitative Criminology* (with John MacDonald)
- 2025–2028 — Committee member, ASA Committee on Law and Justice Statistics
- 2023–2024 — Chair, ASA Committee on Law and Justice Statistics
- 2021–2024 — Committee member, Policy Committee, American Society of Criminology
- 2018–2020 — Associate Editor, *Journal of Quantitative Criminology*
- 2016–2018 — Editorial board, *Journal of Quantitative Criminology*
- 2019–2020 — Committee member, Nominations Committee, American Society of Criminology
- 2009–2010 — Committee member, ASA Committee on Law and Justice Statistics
- 2004–2008 — Associate Editor, *Bayesian Analysis*

Teaching experience and student advising

Course notes

- **Criminal Justice Data Analytics** (CRIM4002/6002) R4Crim
- **Machine Learning for Social Science** (CRIM4012/6012) ML4SocialScience

Ph.D. students (committee roles)

- 2024 — John Gyourko, *Credit Checks and Credit Freezes for Children and Youth in Foster Care...* (committee member)
- 2023 — Alex Knorre, *Essays on Gun Violence in the United States* (committee member)
- 2023 — David Mitre Becerril, *The Effects of Neighborhood Investments on Public Safety* (committee member)
- 2022 — Viet Nguyen, *Understanding the trade-offs for less punitive sentencing practices* (committee member)
- 2020 — Ruth Moyer, *Changes Within the Urban Environment and Their Effect on Crime...* (committee chair)
- 2020 — Jacob Kaplan, *The Effect of Lighting and Building Security on Crime* (committee member)
- 2020 — Yuhao Wu, *Empirical Studies of the Effects of Legal Reforms... in China* (committee member)