

AVINASH BHATI, PhD

FOUNDER & CEO, MAXARTH LLC

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EDUCATION

- Ph.D. Economics (May 2001), College of Arts and Sciences, American University, Washington, DC.
Dissertation Title: “Environmental heterogeneity in models predicting criminal recidivism: Isolating the contribution of individual-level characteristics.”
Advisory Committee: Amos Golan (Chair), James P. Lynch, and Robert M. Feinberg.
- M.B.A. Finance (1993), College of Business and Public Management (COBPM), University of the District of Columbia, Washington, DC.
- B.A. History/Political Science (1990), Rajasthan College, Jaipur, India.
- Other — *Bayesian Econometrics and Decision Making* (2006), Summer Program in Applied Econometrics, American University, Washington, DC (Instructor: John Geweke).
— *Missing Data* (2003), Washington, DC (Instructor: Paul Allison).

PROFESSIONAL EXPERIENCE

- OCT 2008 – PRESENT Founder and CEO,
Maxarth LLC
Maxarth provides creative data and analytic solutions for challenging real-world problems or opportunities. Through research consulting services, data product development, and direct technical assistance, we provide our clients the empirical analysis they need to make difficult operational and strategic decisions with confidence. Maxarth staff work in close collaboration with a multi-disciplinary network of partners from around the nation. We engage with subject matter experts and technology companies to combine our skills, knowledge, and experience to provide timely and relevant analysis/data products. Our clients have included the Court Services and Offender Supervision Agency (CSOSA) and the Pretrial Services Agency (PSA) for the District of Columbia, Center for Education and the Workforce (Georgetown University, DC), Research and Evaluation Center (John Jay College of Criminal Justice, NY), New York City Mayor’s Office of Criminal Justice (MOCJ), Center for Advancing Correctional Excellence (George Mason University, VA), Justice Policy Center (The Urban Institute, DC), the Justice Management Institute, Pretrial Justice Institute, PEW Charitable Trusts, Council on Criminal Justice, National Center for State Courts, Florida State University, and numerous individuals.
- MAY 1999 – SEP 2009 Research Associate
Justice Policy Center, The Urban Institute, Washington, DC
As Research Associate at the Justice Policy Center, I supervised and undertook all aspects of quantitative research. Projects I have led or contributed to included such topics as the evaluation of programs aimed at reducing crime; analysis of sentencing outcomes; spatial analysis of crime; understanding supervision failure, modeling individual offending patterns; and the development of innovative analytical methods for analyzing crime and justice related issues.

APPOINTMENTS

JUL 2015 – MAY 2020	<i>“Research Affiliate”</i> Maryland Data Analysis Center (MDAC), Department of Criminology and Criminal Justice, University of Maryland, College Park, MD.
OCT 2013 – MAR 2015	<i>“BJS Visiting Fellow: Criminal Justice Statistics Program”</i> Bureau of Justice Statistics, Office of Justice Programs, Washington, DC.
OCT 2010 – MAR 2013	<i>“BJS Visiting Fellow: Corrections”</i> Bureau of Justice Statistics, Office of Justice Programs, Washington, DC.
MAY 2010 – FEB 2012	<i>“Data Analysis Expert – Jerry M., et al., v. District of Columbia, et al.”</i> Office of the Special Arbiter, Washington, DC

RESEARCH PROJECTS

OCT 2025 – PRESENT	<i>“Understanding the Benefits of Case Management Strategies”</i> The Justice Management Institute, Arlington, VA Maxarth LLC is providing data analysis support in a study quantifying how case management strategies can promote fair, efficient, and effective adjudication in a way that reduces jail populations.
JUN 2025 – PRESENT	<i>“Unwinding the Impact of Body Worn Camera Evidence on Prosecutor Workload”</i> The Justice Management Institute, Arlington, VA Maxarth LLC is providing data analysis support in a study of how Body-Worn Camera evidence is used by prosecutors’ offices and how it impacts case management practices and workloads.
DEC 2025 – AUG 2026	<i>“Simulating the Costs and Benefits of Reducing Women’s Prison Terms and the Cost of Doing Nothing”</i> Council on Criminal Justice (CCJ), Washington, DC Maxarth LLC provided data analysis support to CCJ’s Women Justice Commission.
JUL 2024 – PRESENT	<i>“Quality Assurance Initiative: Fidelity and Quality Programming for Providers Working with High Risk-High Need Individuals in the Criminal Legal/Justice System”</i> Center for Advancing Correctional Excellence (ACE!), George Mason University, Fairfax, VA Maxarth LLC is providing data analysis support towards an initiative assisting the NYC Mayor’s Office of Criminal Justice (MOCJ) improve the quality of programs geared towards working with individuals that are violence-prone, involved in the criminal legal system, and/or diverted from the criminal legal system.
OCT 2022 – DEC 2025	<i>“An Examination of Prosecutors’ Decisions to Stop Prosecuting Low-Level Offenses”</i> The Justice Management Institute, Arlington, VA Maxarth LLC provided methodological and statistical analysis support in a causal investigation of impacts of prosecutors’ decision-making.
JAN 2020 – JUL 2025	<i>“Cascade of Care Model for Substance Use”</i> Center for Advancing Correctional Excellence (ACE!), George Mason University, Fairfax, VA Maxarth LLC helped develop a prototype Cascade of Care model to offer appropriate programming to criminal justice clients with substance use disorders.
Nov 2023 – OCT 2024	<i>“Risk Assessment Validation Study”</i> Department of Public Safety and Correctional Services (DPSCS), Division of Parole and Probation, Maryland Maxarth LLC conducted a validation study for risk assessments administered by the Maryland Department of Parole and Probation within the Drinking Driver Monitor Program (DDMP) and the Sexual Offender Supervision Program (COMET).

JUL 2023 – DEC 2024	<i>“First Step Act Recidivism Analysis” Council on Criminal Justice (CCJ), Washington, DC</i> Maxarth LLC conducted analysis of recidivism among inmates released from Bureau of Prisons under the First Step Act.
FEB 2023 – FEB 2024	<i>“Assessing Madagascar’s Macroeconomic Vulnerability and Resilience to Climate Change” The World Bank Group, Washington, DC</i> Maxarth LLC conducted an econometric analysis of the short-, medium-, and long-term impacts of extreme climate shocks to Madagascar’s economy.
SEP 2022 – MAR 2023	<i>“Pretrial Risk Assessment and Racial Equity Study” Alachua County Court Services, Gainesville, FL</i> Maxarth LLC conducted an empirical investigation into the racial equity and performance of the Florida Risk Assessment Instrument in the Alachua County pretrial population.
AUG 2022 – JAN 2023	<i>“Shortening Lengthy Prison Terms: A Simulation Study” Council on Criminal Justice (CCJ), Washington, DC</i> Maxarth LLC provided data analysis support to CCJ’s Task Force on Long Sentences.
JUN 2021 – JUL 2022	<i>“Risk Assessment Re-validation Study” Department of Public Safety and Correctional Services (DPSCS), Division of Parole and Probation, Maryland</i> Maxarth LLC re-validated the risk assessment instrument(s) used by Division of Parole and Probation in Maryland.
SEP 2020 – JUN 2021	<i>“North Carolina Predictive Analytics Supervision Effort (NCPASE)” Center for Advancing Correctional Excellence (ACE!), George Mason University, Fairfax, VA</i> Maxarth LLC conducted analysis to understand predictors of early violation on probation and estimate impacts of preventive strategies.
JUL 2019 – JUN 2020	<i>“Risk Re-validation Study” Allegheny County Pretrial Services, Pittsburgh, PA</i> Maxarth LLC re-validated the pretrial risk assessment instrument used by Allegheny County.
SEP 2017 – MAY 2019	<i>“Risk Assessment Re-validation Study” Pretrial Services Agency for the District of Columbia, Washington, DC</i> Maxarth LLC conducted a study (i) to re-validate DCPSA’s risk assessment instrument; (ii) investigate algorithmic bias in the instrument; and (iii) support DCPSA’s efforts to adopt risk-based supervision strategies.
JUL 2017 – JAN 2019	<i>“Time Served on Probation and Recidivism” Public Safety Performance Project, PEW Charitable Trusts, Washington, DC</i> Maxarth LLC partnered with PSPP at the PEW Charitable Trusts to study the implications of reducing probation length of stay.
AUG 2016 – JUL 2019	<i>“Risk-Needs-Responsivity Tool implementation in New York City”, Mayor’s Office of Criminal Justice (MOCJ), New York, NY.</i> Maxarth LLC partnered with the Center for Advancing Correctional Excellence (ACE!) to implement its RNR Tool in New York City to study the criminal justice population programming needs that might be anticipated should operations at Rikers Island facility be scaled back.
JAN 2016 – DEC 2016	<i>“Assessment and Performance Evaluation” Public Defender Service for the District of Columbia, Washington, DC</i> Maxarth LLC conducted a trend analysis and performance evaluation of the PDSDC caseloads.
AUG 2015 – MAR 2017	<i>“Simulating Public Safety Implications of Altering Length of Stay in Prison” Justice Policy Center, Urban Institute, Washington, DC</i> Maxarth LLC developed a set of models for simulating the public safety implications of reducing prisoner length of stay.
OCT 2015 – OCT 2016	<i>“Auto Screener: Validating Offender Risk and Needs Assessments” Court Services and Offender Supervision Agency for the District of Columbia</i> Maxarth LLC developed supervised and unsupervised learning algorithms to produce state of the art offender risk and needs assessments for the agency.

JAN 2014 – DEC 2015	<i>“Measuring Success in Focused Deterrence” Temple University, Philadelphia, PA</i> Maxarth LLC partnered with Temple University in its efforts to measure the impacts of focused deterrence initiatives undertaken by the Philadelphia Police Department.
JUL 2010 – PRESENT	<i>“Risk-Needs-Responsivity Simulation Tool” Center for Advancing Correctional Excellence (ACE!), George Mason University, Fairfax, VA</i> Maxarth LLC is partnering with ACE! to develop, validate, and deploy an online simulation tool designed to help justice practitioners make evidence-based offender programming choices.
OCT 2010 – SEP 2012	<i>“Monitoring and Assessing the Effectiveness of Juvenile Justice Sanctions” (with co-PI Dr. Dan Mears) Office of Juvenile Justice and Delinquency Prevention, Office of Justice Programs, Washington, DC</i> Maxarth LLC partnered with the Florida State University in a study describing de-facto juvenile justice sanctioning policies in the state of Florida and to study their effectiveness.
OCT 2010 – MAY 2011	<i>“Evaluating DCPSA’s In-House Substance Abuse Treatment Program” Pretrial Services Agency, Court Services and Offender Supervision Agency for the District of Columbia</i> Maxarth LLC partnered with the Urban Institute in conducting a process and outcome evaluation of the agency’s in-house substance abuse treatment program (STARS).
MAY 2010 – JUN 2011	<i>“Simulating the Implications of Reducing Length of Stay” Public Safety Performance Project, PEW Charitable Trusts, Washington, DC</i> Maxarth LLC led an effort to study the public-safety implications of reducing length of stay in prison using data from three states.
OCT 2009 – SEP 2011	<i>“Pretrial Risk Assessment and Validation,” (with co-PI Kideuk Kim of the Urban Institute) Pretrial Services Agency, Court Services and Offender Supervision for the District of Columbia.</i> Maxarth LLC partnered with the Urban Institute to develop and validate a state-of-the-art risk assessment instrument for the District of Columbia’s Pretrial Services Agency designed to accurately assess risk of pretrial misconduct (including rearrest and failure to appear in court).
OCT 2007 – SEP 2009	<i>“Learning from Multiple Analogies: An Information-Theoretic Framework for Studying Criminal Recidivism,” American Statistical Association and the U.S. Bureau of Justice Statistics.</i> This study developed a new approach for incorporating knowledge from multiple outcomes into a model for studying event histories (in particular, criminal recidivism).
OCT 2007 – DEC 2009	<i>“Quantifying the Specific Deterrent Effects of DNA Databases,” U.S. National Institute of Justice.</i> This project, funded through the Urban Institute, applied a new modeling technique to quantify whether and to what extent recording offenders’ DNA evidence into databases (for future searches) deters them from committing crimes.
OCT 2008 – OCT 2009	<i>“Evaluating the Kiosk Reporting System for Low-Risk Offenders under Community Supervision,” Court Services and Offender Supervision Agency (CSOSA) for the District of Columbia.</i> This project utilized administrative data to identify a set of low-risk offenders particularly well suited for inclusion in a pilot study that will replace active supervision (e.g., reporting in person) with passive supervision strategies (e.g., reporting to a kiosks).
OCT 2006 – SEP 2008	<i>“Modeling Supervision Failure,” Court Services and Offender Supervision Agency (CSOSA) for the District of Columbia.</i> A team of Urban Institute researchers developed innovative methods to estimate and validate a supervision risk assessment instrument measuring latent risk of criminal recidivism.
SEP 2005 – DEC 2007	<i>“An Empirical Investigation of ‘Going to Scale’ in Drug Intervention,” (with Co-PI: John Roman) U.S. National Institute of Justice.</i> Study Co-PIs developed new ways to combine information in multiple nationally representative data sources to provide policy makers estimates of the number of drug dependent offenders that could be effectively served by partnerships between courts and drug treatment.

JAN 2006 – DEC 2006	“<i>Estimating the Number of Crimes Averted by Incarceration</i>,” U.S. National Institute of Justice, <i>Cost-Benefit Analysis Series, Study 1</i>. An innovative method of analyzing criminal history records was developed to produce estimates of the number of crimes averted by incarcerating offenders. Findings were published in a recent special issue of the <i>Journal of Quantitative Criminology</i>.
APR 2005 – JUL 2006	“<i>Life Interrupted: Studying the Effects of Incarceration on Criminal Trajectories</i>,” Data Resources Program, U.S. National Institute of Justice. A new data analysis approach was used to assess the effects of incarceration on future individual offending. Findings were published in a recent issue of the <i>Journal of Criminal Law and Criminology</i>.
SEP 2004 – AUG 2006	“<i>Modeling Limited Discretionary Regimes: An Information-Theoretic Approach</i>,” U.S. National Science Foundation, <i>Law and Social Science Program</i>. This funding was used to develop new models of judicial discretion that allow researchers to investigate various concerns, possibly competing, that judges may have to simultaneously take into account when sanctioning offenders.
JUN 2003 – OCT 2004	“<i>Does Post-Prison Supervision Matter?</i>” (with Co-PI: Amy Solomon) <i>The JEHT Foundation, New York</i>. For this project secondary data was used to assess the effects of prisoner release mechanism on the risk of re-offending. (Final report: http://www.urban.org/url.cfm?ID=311156).
MAY 2002 – OCT 2003	“<i>Robust Spatial Analysis of Rare Crimes: Modeling Disaggregated Homicide Rates</i>,” <i>Mapping and Analysis for Public Safety program</i>, U.S. National Institute of Justice. This project developed an innovative statistical procedure for investigating the determinants of rare crimes. Findings were published in a recent volume of <i>Sociological Methodology</i>.

PEER-REVIEWED PAPERS

- Breno, A., Bhati, A. S., VanDenise, T., Murphy, A., Cuddeback, G., and Taxman, F. (2023) “Effective probation strategies to respond to signals of poor progress on community supervision” *Criminal Justice and Behavior*. Online First. <https://doi.org/10.1177/00938548231165278>
- Ramezani, N., Bhati, A. S., Murphy, A., Routh, D., and Taxman, F. (2022) “Assessing the reliability and validity of the Risk-Need-Responsivity (RNR) program tool” *Health and Justice*, 10(1): 19.
- Taylor, L., Bhati, A. S., and Taxman, F. (2021) “Preliminary Examination of the Impact of Program Factors on Summary Effect Sizes” *International Journal of Offender Therapy and Comparative Criminology*, 65(15): 1629–1652.
- Roman, C. G., Link, N., Hyatt, J., Bhati, A. S., and Forney, M. (2018) “Assessing the gang-level and community-level effects of the Philadelphia Focused Deterrence Strategy” *Journal of Experimental Criminology*, 15: 499–527. <https://doi.org/10.1007/s11292-018-9333-7>
- Mears, D. P., Cochran, J. C., Bales, W. D., and Bhati, A. S. (2016) “Recidivism and Time Served in Prison” *Journal of Criminal Law and Criminology*, 106(4): 83–124.
- Bhati, A. S., and Roman, C. G. (2014) “Evaluating and Quantifying the Specific Deterrent Effects of DNA Databases” *Evaluation Review*, 38(1): 68 - 93.
- Mears, D. P., Cochran, J. C., Stults, B. J., Greenman, S. J., Bhati, A. S., and Greenwald, M. A. (2014) “The ‘True’ Juvenile Offender: Age Effects and Juvenile Court Sanctioning.” *Criminology*, 52(2): 169–194.
- Bhati, A. S., Crites, E. L., and Taxman, F. S. (2013) “RNR Simulation Tool: A Synthetic Dataset and Its Uses for Policy Simulations” in *Simulation Strategies to Reduce Recidivism* ed. Taxman, F. S., and Pattavina, A. New York, NY: Springer.
- Mears, D. P., Cochran, J. C., Greenman, S. J., Bhati, A. S., and Greenwald, M. A. (2011) “Evidence on the Effectiveness of Juvenile Court Sanctions.” *Journal of Criminal Justice*, 39(6): 509–520.
- Bhati, A. S., and Roman, J. (2010) “Simulated Evidence on the Prospects of Treating More Drug-Involved Offenders.” *Journal of Experimental Criminology*, 6(1):1–33.

- Bhati, A. S. (2008) “A Generalized Cross-Entropy Approach for Modeling Spatially Correlated Counts.” *Econometric Reviews*, 27(4-5):574–595.
- Bhati, A. S., and Piquero, A. R. (2007) “Estimating the Impacts of Incarceration on Subsequent Offending Trajectories: Deterrent, Criminogenic, or Null Effects?” *Journal of Criminal Law and Criminology*, 98(1):207–253.
- Bhati, A. S. (2007) “Estimating the Number of Crimes Averted by Incapacitation: An Information-Theoretic Approach.” *Journal of Quantitative Criminology*, 23(4):355–375.
- Mears, D. P., Scott, M. L., and Bhati, A. S. (2007) “Opportunity Theory and Agricultural Crime Victimization.” *Rural Sociology*, 72(2):151–184.
- Mears, D. P., Scott, M. L., and Bhati, A. S. (2007) “A Process and Outcome Evaluation of an Agricultural Crime Prevention Initiative.” *Criminal Justice Policy Review*, 18(1):51–80.
- Mears, D., and Bhati, A. S. (2006) “No Community is an Island: The Effects of Resource Deprivation on Urban Violence in Spatially and Socially Proximate Communities.” *Criminology*, 44(3):509–547.
- Bhati, A. S. (2005) “Robust Spatial Analysis of Rare Crimes: An Information-Theoretic Approach.” pp. 239–301 in *Sociological Methodology*, Volume 35, edited by Ross M. Stolzenberg. Washington, DC: American Sociological Association.
- Golan, A., Bhati, A. S., and Buyuksahin, B. (2005) “An Information-Theoretic Approach for Image Reconstruction: The Black and White Case.” pp. 223–230 in *Bayesian Inference and Maximum Entropy Methods in Science and Engineering*, edited by Knuth, Abbas, Morris, and Castle, Melville, NY: American Institute of Physics.
- Bhati, A. S. (2005) “Count Outcomes with Spatial Structures: An Information-Theoretic Approach.” 2005 Proceedings of the American Statistical Association, Business and Economics Statistics Section [CD-ROM], Alexandria, VA: American Statistical Association.
- Bhati, A. S., Buyuksahin, B., and Golan, A. (2005) “An Information-Theoretic Approach for Estimation and Image Reconstruction.” 2005 Proceedings of the American Statistical Association [CD-ROM], Alexandria, VA: American Statistical Association.

REPORTS

- *Health, housing, and household circumstances among women on parole: Findings from the National Survey on Drug Use and Health, 2021 – 2023*. Council on Criminal Justice, Washington, DC: Aug 2026. (Co-authored with Stephanie Kennedy and John Roman)
(<https://counciloncj.org/health-housing-and-household-circumstances-among-women-on-parole/>)
- *What happens when women serve less time in prison? Projected changes in arrests, prison population, and costs*. Council on Criminal Justice, Washington, DC: June 2026. (Co-authored with John Roman)
(<https://counciloncj.org/what-happens-when-women-serve-less-time-in-prison/>)
- *The rising cost of women’s justice system involvement: Projected growth in system size and costs through 2035*. Council on Criminal Justice, Washington, DC: June 2026. (Co-authored with John Roman and Stephanie Kennedy)
(<https://counciloncj.org/the-rising-cost-of-womens-justice-system-involvement/>)
- *Public Safety Impacts of Prosecutor’s Formal and Informal Policies to Not Prosecute Low-level Offenses*. Final report submitted to the Justice Management Institute, Arlington, VA: Dec 2025.
- *First Step Act: An Early Analysis of Recidivism*, Council on Criminal Justice, Washington, DC: Dec 2024.
(<https://counciloncj.org/first-step-an-early-analysis-of-recidivism/>)
- *Maryland Sex Offender Risk Assessment Revalidation Study: Final Report*, Submitted to Department of Public Safety and Correctional Services, MD: Oct 2024.
- *Maryland Drinking Driver Monitoring Program (DDMP) Risk Assessment Validation Study: Final Report*, Submitted to Department of Public Safety and Correctional Services, MD: Oct 2024.
- *Simulating the Effects of Extreme Climate Shocks on Madagascar’s Economy: Final Report*, Submitted to the Madagascar Country Team, World Bank Group, Washington, DC: Nov 2023.

- *Alachua County Pretrial Risk Assessment - Local Validation & Racial Equity Study: Final Report*, Submitted to Department of Court Services, Alachua County, FL: March 2023.
- *The Public Safety Impact of Shortening Lengthy Prison Terms*, Council on Criminal Justice, Washington, DC: Jan 2023. (<https://counciloncj.foleon.com/tfils/long-sentences-by-the-numbers/the-public-safety-impact-of-shortening-lengthy-prison-terms>)
- *Maryland DPP Risk Assessment Revalidation Study: Final Report*, Submitted to Department of Public Safety and Correctional Services, MD: Aug 2022.
- *Pretrial Risk Assessment Instrument Re-validation Study: Technical Report*, Submitted to Allegheny County Pretrial Services Department, Allegheny County, PA: Sep 2020.
- *Reducing Probation Terms Safely*, Report submitted to the PEW Charitable Trusts, Washington, DC: Jan 2019.
- *Risk Assessment Instrument Re-validation Project: Predictive Bias Report*, Submitted to Pretrial Services Agency for the District of Columbia, Washington, DC: Feb 2019.
- *Risk Assessment Instrument Re-validation Project: Final Report*, Submitted to Pretrial Services Agency for the District of Columbia, Washington, DC: Dec 2018.
- *Study of Familial DNA Searching Policies and Practices: Cost Simulation Tool User Guide*, (NCJRS 251045) Report submitted to the National Institute of Justice, Washington, DC: June 2017. (Co-authored with Sara Debus-Sherrill).
- *DC Superior Court Felony Cases Handled by the Public Defender Service Between January 2006 and April 2015: Trend and Comparative Analysis*, Final report submitted to the Public Defender Service for the District of Columbia, Washington, DC: Jan 2017.
- *Auto Screener Re-validation: Revised Risk Assessment Models*, Final report submitted to the Court Services and Offender Supervision Agency for the District of Columbia, Washington, DC: Aug 2016.
- *Identifying Dynamic Need Profiles Among CSOSA Clients*, Final report submitted to the Court Services and Offender Supervision Agency for the District of Columbia, Washington, DC: July 2016.
- *Risk Assessment Tool for the Allegheny County Community Supervision Population*, Final report submitted to the Allegheny County Department of Human Services, Pittsburgh, PA: Oct 2015.
- *A Review of PSA's Risk Assessment Instrument*, Final report submitted to the Pretrial Services Agency for the District of Columbia: Oct 2015.
- *Multi-Component System Dynamics: Studying Dependencies Within and Across Stages of the Federal Criminal Justice System*, Final report submitted to the Bureau of Justice Statistics, Office of Justice Programs, Department of Justice, Washington, DC: May 2015.
- *Allegheny County (PA) Pretrial Risk Assessment Instrument Development and Validation Study*, Pretrial Justice Institute, Washington, DC: Dec 2012.
- *Monitoring and Assessing the Effectiveness of Juvenile Justice Sanctions*, Final report submitted to the Office of Juvenile Justice and Delinquency Prevention, Washington, DC: Oct 2012 (Co-authored with Dan Mears, Josh Cochran, and Sarah Greenman).
- *Assessing the Need for Group-Specific Risk Assessment Instruments for AutoScreener*, Final report submitted to the Court Services and Offender Supervision Agency for the District of Columbia, Washington, DC: Aug 2012 (Co-authored with Afi Harrington).
- *Development and Validation of Risk Assessment Instruments for Pretrial Defendants in the District of Columbia*, The Urban Institute, Washington, DC: March 2012 (Co-authored with Kideuk Kim and Megan Denver).
- *The Bronx Defenders Clients Compared with Traditionally Defended Bronx Clients*, Maxarth, LLC, Gaithersburg, MD: Feb 2012 (Co-authored with Nancy Jacobs).
- *Static and Dynamic Risk Suppression: A Regression-Discontinuity Analysis*, Final report submitted to the Court Services and Offender Supervision Agency for the District of Columbia, Washington, DC: Jan 2012.
- *How Much Prison Time is Enough?*, Final report submitted to PEW Charitable Trusts, Washington, DC: Nov 2011 (Co-authored with James Austin and Gerald Gaes).

- *Time Served as a Treatment: Analyzing the Effects of Different Levels of Time Served on Recidivism by Partitioning Time Served and Balancing on the Propensity Score*, Final report submitted to the PEW Charitable Trusts, Washington, DC: Oct 2011 (Co-authored with Gerald Gaes and James Austin).
- *Analysis of Risk and Outcome Data for Youth Link Program, Police Action League (PAL)*, Maxarth, LLC, Gaithersburg, MD: May 2011 (Co-authored with Nancy Jacobs).
- *Development of A Validated Risk Assessment Instrument for Maricopa County Adult Probation Pretrial Services Division*, Pretrial Justice Institute, Washington, DC: March 2011 (Co-authored with John Clark).
- *Kentucky Pretrial Risk Assessment Instrument Validation*, The JFA Institute, Malibu, CA: Oct 2010 (Co-authored with James Austin and Roger Ocker).
- *Synthesizing Evidence: An Information-Theoretic Approach*, Final report submitted to the DC Crime Policy Institute, Urban Institute, Washington, DC: Aug 2010.
- *Quantifying the Specific Deterrent Effects of DNA Databases*, Final report submitted to the National Institute of Justice, Washington, DC: March 2010. (<http://www.urban.org/url.cfm?ID=412058>)
- *Simulated Evidence on the Effectiveness of Passive Supervision Strategies*, Final report submitted to the Court Services and Offender Supervision Agency for the District of Columbia, Washington, DC: October 2009.
- *Validating AutoScreener Final Report (Volume II), Technical Report*, Submitted to the Court Services and Offender Supervision Agency for the District of Columbia, Washington, DC: September 2009 (Co-authored with Mark Coggeshall, CSOSA).
- *Validating AutoScreener Final Report (Volume I), Community Supervision Officer Perceptions*, Submitted to the Court Services and Offender Supervision Agency for the District of Columbia, Washington, DC: September 2009 (Co-authored with Michelle Burk-Storer and Mark Coggeshall).
- *To Treat or Not To Treat: Evidence on the Prospects of Expanding Treatment to Drug-Involved Offenders*, Final report submitted to the National Institute of Justice, Washington, DC: April 2008 (Co-authored with John Roman and Aaron Chalfin). (<http://www.urban.org/url.cfm?ID=411645>)
- *Alcohol Outlets as Attractors of Violence and Disorder: A Closer Look at the Neighborhood Environment*, Final report submitted to the National Institute of Justice, Washington, DC: April 2008 (Co-authored with Caterina Roman, Shannon Reid, and Bogdan Tereshchenko). (<http://www.urban.org/url.cfm?ID=411663>)
- *An Information Theoretic Method for Estimating the Number of Crimes Averted by Incapacitation*, Final report submitted to the National Institute of Justice, Washington, DC: June 2007. (<http://www.urban.org/url.cfm?ID=411478>)
- *A Process and Impact Evaluation of the Agricultural Crime, Technology, Information, and Operations Network (ACTION) Program*, Final report submitted to the National Institute of Justice, Washington, DC: August 2006 (Co-authored with Dan Mears and Michelle Scott). (<http://www.urban.org/url.cfm?ID=411455>)
- *Policy, Theory, and Research Lessons from an Evaluation of an Agricultural Crime Prevention Program*, Policy brief submitted to the National Institute of Justice, Washington, DC: August 2006 (Co-authored with Dan Mears and Michelle Scott). (<http://www.urban.org/url.cfm?ID=411456>)
- *Studying the Effects of Incarceration on Offending Trajectories: An Information-Theoretic Approach*, Technical report submitted to the Data Resources Program, National Institute of Justice (NIJ), Washington, DC: July 2006. (<http://www.urban.org/url.cfm?ID=411427>)
- *Does Parole Work? Analyzing the Impact of Postprison Supervision on Rearrest Outcomes*, The Urban Institute Press, Washington, DC: March 2005 (Co-authored with Amy Solomon and Vera Kachnowski). (<http://www.urban.org/url.cfm?ID=311156>).
- *Weed and Seed Indicator Project: Report on Enhanced Performance Measure Approaches*, Report submitted to the Executive Office of Weed and Seed (EOWS), Washington, DC: April 2004 (Co-authored with Laura Winterfield, Sinead Keegan, and Terry Dunworth).
- *Gang Reduction Program: Baseline Crime Analysis Reports for North Miami Beach (FL), Richmond (VA), Los Angeles (CA), and Milwaukee (WI)*, Reports submitted to the Office of Juvenile Justice and Delinquency Prevention (OJJDP), Washington, DC: March–April 2004 (Co-authored with Sinead Keegan, Deborah Chester, Karen Beckman, Kevin Roland, Michelle Scott, and Dave Hayeslip).

- *Robust Spatial Analysis of Rare Crimes*, Technical report submitted to the Mapping and Analysis for Public Safety Program, National Institute of Justice (NIJ), Washington, DC: March 2004. (<http://www.urban.org/url.cfm?ID=410988>).
 - *An Impact Evaluation of the Maryland Break the Cycle Initiative*, Final report submitted to the Maryland Governor's Office of Crime Control and Prevention (GOCCP), Annapolis, MD: June 2003 (Co-authored with Adele Harrell, John Roman and Barbara Parthasarthy). (<http://www.urban.org/url.cfm?ID=410807>).
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JOURNAL REVIEWER SERVICES

- Journal of Quantitative Criminology (Editorial board member – 2008 to 2015)
- Criminology
- Social Forces
- Social Problems
- Criminology and Public Policy
- Academy of Criminal Justice Sciences
- Social Science Computing Review
- Addiction