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**EDUCATION**

- 2012**                      ***Rutgers University School of Criminal Justice: Newark, NJ***  
•PhD in Criminal Justice  
•Dissertation Title: *Identifying the Best Context for CCTV Camera Deployment: An Analysis of Micro-Level Features*
- 2004**                      ***Rutgers University: Newark, NJ***  
•MA in Criminal Justice  
•BS in Criminal Justice  
•AS in Psychology

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**PROFESSIONAL POSITIONS**

- 2022 - Present**            ***Northeastern University***  
School of Criminology and Criminal Justice  
•Professor  
•Director of Crime Analysis Initiatives
- 2013 - 2022**            ***John Jay College of Criminal Justice***  
Department of Criminal Justice  
•Associate Professor (2018-2022)  
CUNY Graduate Center, Program in Criminal Justice  
•Doctoral Faculty (2015-2022)  
Department of Law and Police Science  
•Assistant Professor (2013-2016)  
•Associate Professor (2017)
- 2012 - 2013**            ***Rutgers School of Criminal Justice/Center on Public Security***  
•Research Faculty/Research Director for Crime Analytics
- 2007 - 2012**            ***Newark Police Department***  
•Geographic Information Systems Specialist
- 2003 - 2007**            ***Police Institute at Rutgers-Newark***  
•Research Program Coordinator

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**PUBLICATIONS\***

▪ ***Refereed Journal Articles***

**Piza, E.,** Connealy, N., Sytsma, V., and Chillar, V.\* (2022). Situational Factors and Police Use of Force Across Micro-Time Intervals: A Video Systematic Social Observation and Panel Regression Analysis. *Criminology*. DOI: 10.1111/1745-9125.12323 ([version of record](#)) | ([open access post print](#)) | ([research brief](#))

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\*Indicates student co-author at the time of manuscript submission.

- Piza, E.** and Sytsma, V. (2022). The Impact of Suspect Resistance, Informational Justice, and Interpersonal Justice on Time Until Police Use of Physical Force: A Survival Analysis. *Crime & Delinquency*. DOI: 10.1177/00111287221106947. ([version of record](#)) | ([open access post print](#)) | ([research brief](#))
- Piza, E.** and Connealy, N. (2022). The Effect of the Seattle Police-Free CHOP Zone on Crime: A Microsynthetic Control Evaluation. *Criminology & Public Policy*, 21(1): 35-58. ([version of record](#)) | ([open access post print](#)) | ([research brief](#))
- Hatten, D.\* and **Piza, E.** (2022). When Crime Moves Where Does It Go? Analyzing the Spatial Correlates of Robbery Incidents Displaced by a Place-Based Policing Intervention. *Journal of Research in Crime & Delinquency*, 59(1): 128-162. ([version of record](#)) | ([open access post print](#)) | ([research brief](#))
- Thomas, A.\*, **Piza, E.**, Welsh, B. and Farrington, D. (2022). The Internationalization of CCTV Surveillance: Effects on Crime and Implications for Emerging Technologies. *International Journal of Comparative and Applied Criminal Justice*, 46(1): 81-102. ([version of record](#)) | ([open access post print](#))
- Quick, K.\* and **Piza, E.** (2022). Police Officers' Best Friend?: An Exploratory Analysis of the Effect of Service Dogs on Perceived Organizational Support in Policing. *The Police Journal: Theory, Practice and Principles*, 95(1): 127-151. ([version of record](#)) | ([open access version](#))
- Piza, E.**, Szkola, J.\* and Blount-Hill, K.\* (2021). How Can Embedded Criminologists, Police Practitioners, and Crime Analysts Help Increase Police-Led Program Evaluations? A Survey of Authors Cited in the Evidence-Based Policing Matrix. *Policing: A Journal of Policy and Practice*, 15(2): 1217-1231. ([version of record](#)) | ([open access post print](#)) | ([research brief](#))
- Chillar, V.\*, **Piza, E.**, and Sytsma, V. (2021). Conducting a Systematic Social Observation of Body-Camera Footage: Methodological and Practical Insights. *Journal of Qualitative Criminal Justice and Criminology* 10(4): 1-30. ([version of record: open access](#)) | ([research brief](#))
- Piza, E.** and Chillar, V.\* (2021). The Effect of Police Layoffs on Crime: A Natural Experiment Involving New Jersey's Two Largest Cities. *Justice Evaluation Journal*, 4(2): 163-183. ([version of record](#)) | ([open access post print](#)) | ([research brief](#))
- Sytsma, V., **Piza, E.**, Chillar, V.\*, and Grossman, L. (2021). Measuring Procedural Justice Policy Adherence During Use of Force Events: The Body-Worn Camera as a Performance Monitoring Tool. *Criminal Justice Policy Review*, 32(9): 938-959. ([version of record: open access](#)) | ([research brief](#))
- Piza, E.** (2021). The History, Policy Implications, and Knowledge Gaps of the CCTV Literature: Insights for the Development of Body-Worn Video Camera Research. *International Criminal Justice Review*, 31(3): 304-324. ([version of record](#)) | ([open access post print](#))
- Sytsma, V., Chillar, V.\*, and **Piza E.** (2021). Scripting Police Escalation of Use of Force through Conjunctive Analysis of Body-Worn Camera Footage: A Systematic Social Observational Pilot Study. *Journal of Criminal Justice*, 74: 101776. ([version of record](#)) | ([open access post print](#)) | ([research brief](#))
- Haberman, C., Hatten, D.\*, Carter, J. and **Piza, E.** (2021). The Sensitivity of Repeat and Near Repeat Analysis to Geocoding Algorithms. *Journal of Criminal Justice*, 73: 1-12. ([version of record](#)) | ([open access post print](#))
- Szkola, J.\*, **Piza, E.** and Drawve, G. (2021). Risk Terrain Modeling: Seasonality and Predictive Validity. *Justice Quarterly*, 38(2): 322-343. ([version of record](#)) | ([open access post print](#))
- Hatten, D.\* and **Piza, E.** (2021). Measuring the Temporal Stability of Near-Repeat Crime Patterns: A Longitudinal Analysis. *Crime & Delinquency*, 67(4): 498-522. ([version of record](#)) | ([open access version](#))
- Kennedy, L., Caplan, J., **Piza, E.**, and Thomas, A.\* (2020). Environmental Factors Influencing Urban Homicide Clearance Rates: A Spatial Analysis of New York City. *Homicide Studies*, 25(4): 313-334. ([version of record](#)) | ([open access post print](#))

- Sytsma, V., Connealy, N.\* and **Piza, E.** (2020). Environmental Predictors of a Drug Offender Crime Script: A Systematic Social Observation of Google Street View Images and CCTV Footage. *Crime & Delinquency*, 67(1): 27-57. ([version of record](#)) | ([open access post print](#))
- Piza, E.**, Wheeler, A., Connealy, N.\* and Feng, S.\* (2020). Crime Control Effects of a Police Substation Within a Business-Improvement District: A Quasi-Experimental Synthetic Control Evaluation. *Criminology & Public Policy*, 19(2): 653-684. ([version of record](#)) | ([open access post print](#)) | ([research brief](#))
- Welsh, B., **Piza, E.**, Thomas, A.\* and Farrington, D. (2020). Private Security and CCTV Surveillance: A Systematic Review of Function and Performance. *Journal of Contemporary Criminal Justice*, 36(1): 56-69. ([version of record](#)) | ([open access post print](#))
- Connealy, N.\*, **Piza, E.** and Hatten, D.\* (2020). The Criminogenic Effect of Marijuana Dispensaries in Denver, Colorado: A Microsynthetic Control Quasi-Experiment and Cost-Benefit Analysis. *Justice Evaluation Journal*, 3(1): 69-93. ([version of record: open access](#))
- Sytsma, V. and **Piza, E.** (2020). Quality Over Quantity: Assessing the Impact of Frequent Public Interaction Compared to Problem-Solving Activities on Police Officer Job Satisfaction. *Policing: A Journal of Policy and Practice*, 14(2): 526-541. ([version of record](#))
- Caplan, J., Kennedy, L., **Piza, E.**, and Barnum, J.\* (2020). Using Vulnerability and Exposure to Improve Robbery Prediction and Target Area Selection. *Applied Spatial Analysis and Policy*, 13(1): 113-136. ([version of record](#))
- Piza, E.**, Welsh, B., Farrington, D. and Thomas, A.\* (2019). CCTV Surveillance for Crime Prevention: A 40-Year Systematic Review with Meta-Analysis. *Criminology & Public Policy*, 18(1): 135-159. ([version of record](#)) | ([open access post print](#)) | ([research brief](#))
- Connealy, N.\* and **Piza, E.** (2019). Risk Factor and High-Risk Place Variations Across Different Robbery Targets in Denver, Colorado. *Journal of Criminal Justice*, 60: 47-56. ([version of record](#)) | ([open access post print](#))
- Carter, J., **Piza, E.** and Grommon, E. (2019). Leveraging Wireless Broadband to Improve Police Land Mobile Radio Programming: Estimating the Resource Impact. *Journal of Crime and Justice*, 42(1): 60-77. ([version of record](#))
- Feng, S.\* , **Piza, E.**, Kennedy, L. and Caplan, J. (2019). Aggravating Effects of Alcohol Outlet Types on Street Robbery and Aggravated Assault in New York City. *Journal of Crime and Justice*, 42(3): 257-273. ([version of record](#))
- Piza, E.**, Kennedy, L., and Caplan, J. (2018). Facilitators and Impediments to Designing, Implementing, and Evaluating Risk-Based Policing Strategies Using Risk Terrain Modeling: Insights from a Multi-City Evaluation in the United States. *European Journal on Criminal Policy and Research*, 24(4): 489-513. ([version of record](#)) | ([open access post print](#))
- Piza, E.** and Carter, J. (2018). Predicting Initiator and Near Repeat Events in Spatiotemporal Crime Patterns: An Analysis of Residential Burglary and Motor Vehicle Theft. *Justice Quarterly*, 35(5): 842-870. ([version of record](#)) | ([open access post print](#)) | ([research brief](#))
- Piza, E.** and Gilchrist, A.\* (2018). Measuring the Effect Heterogeneity of Police Enforcement Actions Across Spatial Contexts. *Journal of Criminal Justice*, 54: 76-87. ([version of record: open access](#))
- Carter, J. and **Piza, E.** (2018). Spatiotemporal Convergence of Crime and Vehicle Crash Hot Spots: Additional Consideration for Policing Places. *Crime & Delinquency*, 64(14): 1795-1819. ([version of record](#))
- Piza, E.** (2018). The Effect of Various Police Enforcement Actions on Violent Crime: Evidence from a Saturation Foot-Patrol Intervention. *Criminal Justice Policy Review*, 29(6-7): 611-629. ([version of record](#)) | ([open access post print](#)) | ([research brief](#))

- Piza, E.** (2018). The Crime Prevention Effect of CCTV in Public Places: A Propensity Score Analysis. *Journal of Crime and Justice*, 41(1): 14-30. ([version of record](#)) | ([open access post print](#))
- Sytsma, V. and **Piza, E.** (2018). Script Analysis of Open-Air Drug Selling: A Systematic Social Observation of CCTV Footage. *Journal of Research in Crime and Delinquency*, 55(1): 78-102. ([version of record](#))
- Shane, J., **Piza, E.**, and Silva, J.\* (2018). Piracy for Ransom: The Implications for Situational Crime Prevention. *Security Journal*, 31(2): 548-569. ([version of record](#))
- Kurland, J. and **Piza, E.** (2018). The Devil You Don't Know: A Spatial Analysis of Crime at Newark's Prudential Center on Hockey Game Days. *Journal of Sport Safety and Security*, 3(1): Article 1.
- Sytsma, V. and **Piza, E.** (2018). The Influence of Job Assignment on Community Engagement: Bicycle Patrol and Community-Oriented Policing. *Police Practice and Research: An International Journal*, 19(4): 347-364. ([version of record](#))
- Piza, E.** and Feng, S.\* (2017). The Current and Potential Role of Crime Analysts in Evaluations of Police Interventions: Results from a Survey of the International Association of Crime Analysts. *Police Quarterly*, 20(4): 339-366. ([version of record](#)) | ([open access post print](#))
- Piza, E.**, Caplan, J., and Kennedy, L. (2017). CCTV as a Tool for Early Police Intervention: Preliminary Lessons from Nine Case Studies. *Security Journal*, 30(1): 247-265. ([version of record](#))
- Schnell, C.\*, Braga, A., and **Piza, E.** (2017). The Influence of Community Areas, Neighborhood Clusters, and Street Segments on the Spatial Variability of Violent Crime in Chicago. *Journal of Quantitative Criminology*, 33(3): 469-496. ([version of record](#))
- Piza, E.**, Feng, S.\*, Kennedy, L. and Caplan, J. (2017). Place-Based Correlates of Motor Vehicle Theft and Recovery: Measuring Spatial Influence Across Neighbourhood Context. *Urban Studies*, 54(13): 2998-3021. ([version of record](#))
- Caplan, J., Kennedy, L., Barnum, J.\*, and **Piza, E.** (2017). Crime in Context: Utilizing Risk Terrain Modeling and Conjunctive Analysis of Case Configurations to Explore the Dynamics of Criminogenic Behavior Settings. *Journal of Contemporary Criminal Justice*, 33(2): 133-151. ([version of record](#))
- Barnum, J.\*, Caplan, J., Kennedy, L., and **Piza, E.** (2017). The Crime Kaleidoscope: A Cross-Jurisdictional Analysis of Place Features and Crime in Three Urban Environments. *Applied Geography*, 79: 203-211. ([version of record](#))
- Piza, E.** and Sytsma, V. (2016). Exploring the Defensive Actions of Drug Sellers in Open-Air Markets: A Systematic Social Observation. *Journal of Research in Crime and Delinquency*, 53(1): 36-65. ([version of record](#))
- Piza, E.**, Gilchrist, A.\*, Caplan, J., Kennedy, L. and O'Hara, B. (2016). The Financial Implications of Merging Proactive CCTV Monitoring and Directed Police Patrol: A Cost-Benefit Analysis. *Journal of Experimental Criminology*, 12(3): 403-429. ([version of record](#)) | ([open access post print](#))
- Kennedy, L., Caplan, J., **Piza, E.**, and Buccine-Schraeder, H.\* (2016). Vulnerability and Exposure to Crime: Applying Risk Terrain Modeling to the Study of Assault in Chicago. *Applied Spatial Analysis and Policy*, 9(4): 529-548. ([version of record](#))
- Papachristos, A., Braga, A., **Piza, E.**, and Grossman, L.\* (2015). The Company You Keep? The Spillover Effects of Gang Membership on Individual Gunshot Victimization in Social Networks. *Criminology*, 53(4): 624-649. ([version of record](#))
- Piza, E.**, Caplan, J., Kennedy, L., and Gilchrist, A.\* (2015). The Effects of Merging Proactive CCTV Monitoring with Directed Police Patrol: A Randomized Controlled Trial. *Journal of Experimental Criminology*, 11(1): 43-69. ([version of record](#)) | ([open access post print](#))

Salvemini, A., **Piza, E.**, Carter, J., Grommon, E., and Merritt, N. (2015). Integrating Human Factors Engineering and Information Processing Approaches to Facilitate Evaluations in the Criminal Justice Technology Research. *Evaluation Review*, 39(3): 308-338. ([version of record](#))

Shane, J., **Piza, E.**, and Mandala, M.\* (2015). Situational Crime Prevention and Worldwide Piracy: A Cross-Continent Analysis. *Crime Science*, 4(1): 1-13. ([version of record: open access](#))

Caplan, J., Kennedy, L., Barnum, J.\* and **Piza, E.** (2015). Risk Terrain Modeling for Spatial Risk Assessment. *Cityscape: A Journal of Policy Development and Research*, 17(1): 7-16. ([version of record: open access](#))

Caplan, J., Marotta, P.\* , **Piza, E.**, and Kennedy, L. (2014). Spatial Risk Factors of Felonious Battery to Police Officers. *Policing: An International Journal of Police Strategies & Management*, 37(4): 823-838. ([version of record](#))

**Piza, E.**, Caplan, J. and Kennedy, L. (2014). Analyzing the Influence of Micro-Level Factors on CCTV Camera Effect. *Journal of Quantitative Criminology*, 30(2): 237-264. ([version of record](#))

**Piza, E.**, Caplan, J. and Kennedy, L. (2014). Is the Punishment More Certain? An Analysis of CCTV Detections and Enforcement. *Justice Quarterly*, 31(6): 1015-1043. ([version of record](#)) | ([open access post print](#)) | ([research brief](#))

Moreto, W.\* , **Piza, E.**, and Caplan, J. (2014). A Plague on Both Your Houses? Risks, Repeats, and Reconsiderations of Urban Residential Burglary. *Justice Quarterly*, 31(6): 1102-1126. ([version of record](#))

**Piza, E.** and O'Hara, B. (2014). Saturation Foot Patrol in a High-Violence Area: A Quasi-Experimental Evaluation. *Justice Quarterly*, 31(4): 693-718. ([version of record](#)) | ([open access post print](#)) | ([research brief](#))

Boxer, P., Sloan-Power, E., **Piza, E.**, and Schappell, A.\* (2014). Using Police Data to Measure Children's Exposure to Neighborhood Violence: A New Method for Measuring Children's Exposure to Violence and Evaluation Relations Between their Exposure and Mental Health. *Violence and Victims*, 29(1): 24-33. ([version of record](#))

Caplan, J., Kennedy, L., and **Piza, E.** (2013). Joint Utility of Event Dependent and Contextual Crime Analysis Techniques for Violent Crime Forecasting. *Crime & Delinquency*, 59(2): 243-270. ([version of record](#))

Kennedy, L., Caplan, J. and **Piza, E.** (2011). Risk Clusters, Hotspots, and Spatial Intelligence: Risk Terrain Modeling as an Algorithm for Police Resource Allocation Strategies. *Journal of Quantitative Criminology*, 27(3): 339-362. ([version of record](#))

#### ▪ **Books**

**Piza, E.** and Welsh, B. (eds.) (2022). *The Globalization of Evidence-Based Policing: Innovations in Bridging the Research-Practice Divide*. Abingdon, Oxon, UK: Routledge Press. ([version of record](#))

**Piza, E.** and Baughman, J. (2021). *Modern Policing using ArcGIS Pro*. Redlands, CA: Esri Press. ([version of record](#))

Kennedy, L., Caplan, J., and **Piza, E.** (2018). *Risk-Based Policing: Evidence-Based Crime Prevention with Big Data and Spatial Analytics*. Oakland, CA: University of California Press. ([version of record](#))

#### ▪ **Book Chapters**

**Piza, E.** and Arietti, R. (forthcoming). Crime Analysis in Policing. In H. Pontell (Ed.), *Oxford Research Encyclopedia of Criminology and Criminal Justice*. New York and Oxford: Oxford University Press. doi: 10.1093/acrefore/9780190264079.013.ORE\_CRI-00716.



**Piza, E.** and Sytsma, V. (2023). Video Data Analysis of Body-Worn Camera Footage: A Practical Methodology in Support of Police Reform. In Craig, M. and Blount-Hill, K. (Eds.) *Justice and Legitimacy in Policing: Transforming the Institution* (pp. 59-75). Abingdon, Oxon, UK: Routledge Press. ([version of record](#)) | ([open access post print](#))

**Piza, E.** and Welsh, B. (2022). Evidence-based policing: Research, practice, and bridging the great divide. In Piza, E. and Welsh, B. (eds.) *The Globalization of Evidence-Based Policing: Innovations in Bridging the Research-Practice Divide* (pp. 3-20). Abingdon, Oxon, UK: Routledge Press. ([version of record](#)) | ([open access post print](#))

**Piza, E.,** Chu, S. and Welsh, B. (2022). Surveillance, action research, and community technology oversight boards: A proposed model for police technology research. In Piza, E. and Welsh, B. (eds.) *The Globalization of Evidence-Based Policing: Innovations in Bridging the Research-Practice Divide* (pp. 206-222). Abingdon, Oxon, UK: Routledge Press. ([version of record](#)) | ([open access post print](#))

Welsh, B. and **Piza, E.** (2022). Evidence-based policing is here to stay: Lessons learned and next steps. *The Globalization of Evidence-Based Policing: Innovations in Bridging the Research-Practice Divide* (pp. 206-222). Abingdon, Oxon, UK: Routledge Press. ([version of record](#))

**Piza, E.** (2021). Bentham on Crime Analysis and Evidence-Based Policing. In Jacques, S. and Schofield, P. (eds.) *Jeremy Bentham on Police. The Unknown Story and What it Means for Criminology*. London, UK: UCL Press. ([version of record: open access](#))

▪ **Scholarly Monographs (Non-Refereed)**

Jacques, S. and **Piza, E.** (2022). The irony of paywalled articles is they can be made open access for free. *ACJS Today*, 50(2): 7-9. ([version of record](#)) | ([open access post print](#))

**Piza, E.** and Welsh, B. (2022). Evidence-Based Policing Is Here to Stay: Innovative Research, Meaningful Practice, and Global Reach. *Cambridge Journal of Evidence-Based Policing*, 6(1-2): 42-53. ([version of record](#)) | ([open access post print](#))

**Piza, E.** (2019). *Police Technologies for Place-Based Crime Prevention. Integrating Risk Terrain Modeling for Actionable Intel*. Issues in Spatial Analysis Series, Volume 1. Newark, NJ: Rutgers Center on Public Security. ([version of record: open access](#))

**Piza, E.,** Welsh, B., Farrington, D. and Thomas, A.\* (2018). *CCTV and Crime Prevention: A New Systematic Review and Meta-Analysis*. Report Prepared for the Swedish National Council for Crime Prevention. ([version of record: open access](#))

Caplan, J., Kennedy, L., **Piza, E.,** Marotta, P.\* (2014). Risk Terrain Modeling for Strategic and Tactical Action. *Crime Mapping & Analysis News: A Police Foundation Publication. Issue 1*.

**Piza, E.** (2012). *Using Poisson and Negative Binomial Regression Models to Measure the Influence of Risk on Crime Incident Counts*. Newark, NJ: Rutgers Center on Public Security.

Kennedy, L., Caplan, J., and **Piza, E.** (2012). *A Primer on the Spatial Dynamics of Crime Emergence and Persistence*. Rutgers Center on Public Security: Newark, NJ

Caplan, J., Kennedy, L., **Piza, E.,** and Kim, E.\* (2012). *Vacant Properties and Gun Shootings: Empirical Validation of a Core Assumption of the Kensington Renewal Initiative*. Newark, NJ: Rutgers Center on Public Security.

Braga, A., Grossman, L.\*, and **Piza, E.** (2011). *Understanding serious violence in Newark, New Jersey*. Unpublished working paper. Newark, NJ: Rutgers University, School of Criminal Justice.

**Piza, E.,** Kennedy, L. and Caplan, J. (2011). Police Resource Allocation. In Caplan, J. and Kennedy, L. (Eds.) *Risk Terrain Modeling Compendium*. Newark, NJ: Rutgers Center on Public Security

▪ **Technical Reports**

**Piza, E.**, Connealy, N., Sytsma, V. and Chillar, V. (2021). *Police Use of Force as a Transactional Event: A Video Systematic Social Observation and Panel Regression Analysis*. Report submitted to the Charles Koch Foundation in partial fulfillment of Criminal Justice & Police Reform grant awarded to John Jay College of Criminal Justice.

Sytsma, V., **Piza, E.**, and Chillar, V.\* (2020). *Reporting Descriptive Statistics for the Project Identifying Situational Determinants of Police Use of Force: A Systematic Social Observation of Body Camera Footage in Newark, NJ*. Report submitted to the Charles Koch Foundation in partial fulfillment of Criminal Justice & Police Reform grant awarded to John Jay College of Criminal Justice.

Chillar, V. \*, **Piza, E.**, and Sytsma, V. (2020). *Conducting Systematic Social Observations of Body-Camera Footage to Understand Police Use of Force: Methodological and Practical Insights*. Report submitted to the Charles Koch Foundation in partial fulfillment of Criminal Justice & Police Reform grant awarded to John Jay College of Criminal Justice.

**Piza, E.**, Feng, S.\* and Connealy, N.\* (2017). *An Evaluation of the Newark Police Department's Downtown Sub-Station: A Propensity Score Analysis*. Final report submitted to the Professional Staff Congress-City University of New York in partial fulfillment of award number 68767-00 46.

Carter, J., **Piza, E.**, Grommon, E., Salvemini, A., Harris, P., and Frantz, F. (2016). *An Exploration of the Impacts of Utilizing Broadband-Enabled Over-the-Air-Programming of Portable Land Mobile Radios*. Final report submitted to the National Institute of Justice in partial fulfillment of award number 2010-IJ-CX-K023.

**Piza, E.**, Caplan, J. and Kennedy, L. (2013). *Detection of Crime, Resource Deployment, and Predictors of Success: A Multi-Level Analysis of CCTV in Newark, NJ*. Final report submitted to the National Institute of Justice in partial fulfillment of award number 2010-IJ-CX-0026.

## **GRANT AND FUNDING SUPPORT**

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### ▪ **External Awards**

□ **\$2,824,985 in total**

**2022-2023**    **Principal Investigator: Bureau of Justice Assistance and Institute for Intergovernmental Research (via the City of Paterson, NJ Police Department) (\$93,728)**  
-Analytical and Technical Assistance to the Coalition for Opioid Response and Assessment

**2020-2022**    **Principal Investigator: National Institute of Justice, Investigator-Initiated Research and Evaluation on Firearm Violence (\$503,129) [2019-R2-CX-0004]**  
-The Impact of Gunshot Detection Technology on Gun Violence in Kansas City and Chicago: A Multi-Pronged Synthetic Control Evaluation

**2020-2021**    **Principal Investigator: Bureau of Justice Assistance and Institute for Intergovernmental Research (via the City of Paterson, NJ Police Department) (\$146,851)**  
-Developing and Evaluating a Data-Driven Approach to Address the Opioid Epidemic

**2020-2021**    **Co-Principal Investigator: U.S. Department of State (\$306,720)**  
-Western Hemisphere Regional Transnational Crime Assessment and Analysis

**2019 - 2020**    **Principal Investigator: Charles Koch Foundation, Criminal Justice & Policing Reform Program (\$110,000)**  
-Identifying Situational Determinants of Police Use of Force: A Systematic Social Observation of Body Camera Footage in Newark, NJ

- 2018 - 2020** **Co-Principal Investigator: Bureau of Justice Assistance, Body-Worn Camera Policy and Implementation Program [2017-BC-BX-0045] (\$496,920)**  
- Newark Public Safety Department Body-Worn Camera Enhancement Project
- 2017 - 2018** **Co-Principal Investigator: The Swedish National Council for Crime Prevention (Brå) (£11,250)**  
- *The Effect of CCTV on Crime and Perceptions of Safety: An Updated Systematic Review and Meta-Analysis*
- 2014 - 2017** **Co-Principal Investigator: National Institute of Justice, Testing Geospatial Predictive Policing Strategies [2013-IJ-CX-0053] (\$461,384)**  
- *Policing by Place: A Multi-Level Analysis of the Effectiveness of Risk Terrain Modeling for Allocating Police Resources in New York City*
- 2013 - 2015** **Co-Principal Investigator: National Institute of Justice, Testing Geospatial Police Strategies and Exploring their Relationship to Criminological Theories [2012-IJ-CX-0038] (\$499,633)**  
- *A Multi-Jurisdictional Test of Risk Terrain Modeling and a Place-Based Evaluation of Environmental Risk-Based Patrol Deployment Strategies*
- 2011 - 2013** **Co-Principal Investigator (for Newark Police Department): National Institute of Justice, Research on Policing [2010-IJ-CX-0026] (\$188,620)**  
- *Detection of Crime, Resource Deployment, and Predictors of Success: A Multi-Level Analysis of CCTV in Newark, NJ*
- 2010** **Association of Doctoral Programs in Criminology & Criminal Justice Dissertation Award (\$3,000)**  
-Project Title: *Identifying the Best Context for CCTV Camera Deployment: An Analysis of Micro-Level Features*
- **Internal Awards**
    - **\$33,104 in total**
- 2019** **PSC-CUNY Enhanced Research Award, Cycle 50 (\$11,520)**  
-Project Title: *Exploring Police Decision Making Through a Systematic Social Observation of Police Officer Body Camera Footage in Atlantic City, NJ*
- 2018** **PSC-CUNY Traditional B Research Award, Cycle 49 (\$5,948)**  
-Project Title: *A Quasi-Experiential Evaluation of the Effects of Gunshot Detection Technology on Investigations of Gun Crimes in Kansas City, MO*
- 2018** **John Jay College, Office of the Advancement of Research Seed Funding Program (\$1,912)**  
-Project Title: *Early Data Collection/Participant Solicitation Efforts for an Evaluation of the Kansas City Police Department's Gunshot Detection System*
- 2017** **PSC-CUNY Traditional B Research Award, Cycle 48 (\$5,272)**  
-Project Title: *Using Camera Footage to Analyze Surveillance Operator Discretion During a Targeted Police Intervention*
- 2015** **PSC-CUNY Traditional B Research Award, Cycle 46 (\$5,953)**  
-Project Title: *An Evaluation of the Newark Police Department's Downtown Community Resource Center*
- 2012** **Rutgers School of Criminal Justice Dean's Research Award (\$2,499)**  
-Award Recipient: *annual award providing financial support for a research project proposed by a current student enrolled in the Rutgers School of Criminal Justice's doctoral program.*



## TEACHING EXPERIENCE\*\*

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### ▪ **University Courses**

- 2022-Present**      **Northeastern University**  
*-Classes Taught:* Crime Prevention (UG)
- 2013 - 2022**      **John Jay College of Criminal Justice**  
*-Classes Taught:* Capstone Seminar for BS in Criminal Justice (UG); Communities & Crime (UG); Crime Mapping (G); Crime Control & Prevention (UG); Criminal Justice Theory in Practice (UG); Research Methods and Statistics for Criminal Justice (UG); Survey of Criminal Justice Process and Policy: I & II (G)  
*-Classes Developed:* Evidence-Based and Problem-Oriented Policing (UG); Communities & Crime (UG)
- 2012 - 2013**      **Rutgers University, School of Criminal Justice**  
*-Classes Taught:* Data Analysis in Criminal Justice (UG)  
*-Training Seminars Taught:* GIS Mapping for Public Safety; Targeting Violent Crime Initiative Spatial Analysis Course (Organized by the NJ Attorney's Office); Risk Terrain Modeling Workshop (Online Course; Teaching Assistant)
- 2005 - 2009**      **Rutgers University, School of Criminal Justice**  
*-Classes Taught:* Contemporary Problems in Policing (UG); Data Analysis in Criminal Justice (UG); Police and the Community (UG); Police Problem Solving (UG)
- ### ▪ **Professional Training Seminars**
- 2018-Present**      **New York State Division of Criminal Justice Services**  
*- Training Seminars Taught:* ArcGIS Pro for Crime Analysis (Albany, NY (x2); Rochester, NY; Suffolk County, NY; Online (x2))
- 2020 - Present**      **John Jay College of Criminal Justice**  
*- Training Seminars Taught:* ArcGIS Pro for Crime Analysis (Online (x2))
- 2012 - 2013**      **Rutgers University, School of Criminal Justice**  
*-Training Seminars Taught:* GIS Mapping for Public Safety; Targeting Violent Crime Initiative Spatial Analysis Course (Organized by the NJ Attorney's Office)
- 2010 - Present**      **International Association of Crime Analysts**  
*-Training Seminars Taught:* Crime Mapping and Analysis (Albany, NY; College Park, MD; Landover, MD; Newark, NJ; New York City, NY(x3); Romeoville, IL)

## AWARDS AND HONORS

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- 2021**      **John Jay College Scholarly Excellence Award**  
*-Award Recipient: annual award given to select faculty members for outstanding scholarly contribution in the preceding three years*
- 2021**      **Diverse: Issues in Higher Education Emerging Scholars**  
*-Award recipient: annual recognition of an interdisciplinary group of minority scholars who are "changing our institutions and higher education for the better"*

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\*\*UG=Undergraduate Course; G=Graduate Course

- 2017** **American Society of Criminology Division of Policing Early Career Award**  
-Award recipient: annual award recognizing outstanding scholarly contributions to the field of policing by someone who has received his or her Ph.D. degree within the last five years.
- 2016** **John Jay College Scholarly Excellence Award**  
-Award Recipient: annual award given to select faculty members for outstanding scholarly contribution in the preceding three years
- 2015** **John Jay College Donal E. McNamara Award**  
-Award Recipient: annual award given to a junior faculty member for outstanding scholarly contribution in the preceding two years to the fields of criminal justice or criminology.
- 2010** **Newark Police Department Civilian Award**  
-Civilian Award Recipient: annual award issued during Police Week in recognition of the service and dedication of a civilian member of the police department
- 2003-2004** **Rutgers University: Ronald E. McNair Post-Baccalaureate Achievement Program Scholar**

#### **SELECT INVITED ADDRESSES**

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- 2022** **Northeastern University, College of Social Sciences and Humanities: Faculty Works In-Progress Colloquium Series**  
Presentation: *Video Data Analysis of Body-Worn Camera Footage: A Practical Methodology in Support of Police Reform*
- 2021** **American Society for Public Administration, Section on Emergency and Crisis Management: Police Violence, Crises, and Trust in Government Actors in Times of Emergency and Disaster**  
Panel Discussant  
Co-Discussants: Tami Abdollah (USA Today), Curtis Brown (Virginia Department of Emergency Management)
- 2021** **New York City Police Department Office of Strategic Initiatives, Research Committee Meeting**  
Presentation: *Officer Tactics in Crime Hot Spots: Adding “What” to the Question of “Where”*
- 2021** **State of New York Division of Criminal Justice Services, Law Enforcement Webinar Series**  
Presentation: *Producing an Operational Hot Spot Map*  
Co-Presenter: Andrea Vey
- 2020** **Konrad Adenauer Stiftung and Universidad Federal do Ceara, Seminar on Evidence-Based Public Policies in the Brazilian Criminal Justice System: Building Bridges between Universities, Police, Courts, and Public Administrations.**  
Plenary Session: *Evidence-Based Policing: Research, Practice, and Bridging the Great Divide*
- 2020** **The Institute for Global City Policing Dealing with Violence Conference: London, England, UK**  
Plenary Session: *Preventing Violence by Contextualizing High-Crime Places. Leveraging Modern Tools to Solve Modern Problems*
- 2019** **TrygghetNU (Safety Now) Conference: Stockholm, Sweden**  
Keynote Address: *CCTV Surveillance for Crime Prevention. A 40-Year Systematic Review with Meta-Analysis*  
Co-Presenters: Brandon C. Welsh, David P. Farrington & Amanda L. Thomas

- 2019 State of New York Division of Criminal Justice Services, Data-Driven Decision Making Symposium: Albany, NY**  
*Plenary Session: Identifying Micro-Level Crime Hot Spots Using ArcGIS Pro: Applied Tools for Crime Analysts*
- 2018 Swedish National Council for Crime Prevention Annual Conference: Orebro, Sweden**  
*Keynote Address: The Effectiveness of CCTV for Crime Prevention. Implications for Public Policy*
- 2018 State of New York Division of Criminal Justice Services, Data-Driven Decision Making Symposium: Albany, NY**  
*Plenary Session: How to Improve Police-Led Science. Crime Analysts as the missing link*
- 2017 Newark Downtown District Public Safety Board Meeting: Newark, NJ**  
*Presentation: An Evaluation of the Downtown Newark Community Resource Center*  
 Co-Presenters: Shun Q. Feng & Nathan T. Connealy
- 2017 Crime & Justice Research Alliance and Consortium of Social Science Associations: Congressional “Ask a Criminologist” Series. New Police Technologies: Washington, DC**  
*Panel Discussant*  
 Co-Discussants: Nancy La Vigne, Cynthia Lum, & Eddie Reyes.
- 2017 Trygghetskamerans dag 2017 (2017 Security Camera and Public Safety Day) Conference: Stockholm, Sweden**  
*Keynote Address: Does CCTV Prevent Crime? Simple Questions, Complex Answers, and Implications for Public Policy*
- 2016 Uruguay National Police Scholarship Program: New York City, NY**  
*Presentation: Crime Hot Spots, Generators, and Attractors: The Role of Investigators in Place-Based Policing*
- 2015 Fayetteville Police Department, Office of the Chief of Police: Fayetteville, NC**  
*Presentation: Precinct-Specific Crime Forecasting for Focused Policing*
- 2015 Rutgers University School of Criminal Justice, 40th Anniversary Symposium: Newark, NJ**  
*Panel Discussion: The Future of Evidence-Based Crime Policy*
- 2014 State of New York Division of Criminal Justice Services, Gun Involved Violence Elimination Symposium: Saratoga Springs, NY**  
*Presentation: Risk Terrain Modeling and Hot Spots Policing*  
 Co-Presenters: Joel M. Caplan & Leslie W. Kennedy
- 2014 Carabineros de Chile (The National Police Force of Chile), International Summit on Crime Analysis: Santiago, Chile**  
*Plenary Session: Risk Terrain Modeling for Public Safety: Implications and Applications in Contemporary Policing*  
 Co-Presenters: Leslie W. Kennedy & Joel M. Caplan
- 2013 John Jay College of Criminal Justice, Committee on Graduate and Evening Services’ Crime Analysis Symposium: NYC, NY**  
*Presentation: The Crime Analyst’s Role in Designing and Evaluating Police Interventions. A Case Study*
- 2012 Chicago Police Department, Office of the Superintendent: Chicago, IL**  
*Presentation: Risk Analysis, Strategic Policing, and the “Predictive” Use of Spatial Data*
- 2011 Toronto Police Service: Online Presentation**

Presentation: *Operationalizing and Assessing the Spatial Influence of Environmental Features on Crime*

Co-Presenter: Joel M. Caplan

**2011 Ontario Crime Analyst Network: Online Presentation**

Presentation: *Analyzing Crime Risk to Guide Crime Prevention*

**2009 University of Scranton: Scranton, PA**

Presentation: *GIS in Law Enforcement. Problem Solving Analysis of the Newark Police Department*

**SERVICE**

▪ **To the Advancement of the Academic Profession**

**Journal Manuscript Reviewer:**

<b>Journal</b>	<b>Reviews</b>	<b>Journal</b>	<b>Reviews</b>
<i>American Journal of Criminal Justice</i>	1	<i>Journal of Experimental Criminology</i>	8
<i>Annals of the American Academy of Political &amp; Social Science</i>	1	<i>Journal of Quantitative Criminology</i>	9
<i>Applied Geography</i>	2	<i>Journal of Research in Crime &amp; Delinquency</i>	15
<i>Asian Journal of Criminology</i>	1	<i>Justice Evaluation Journal</i>	2
<i>Canadian Journal of Criminology &amp; Criminal Justice</i>	1	<i>Justice Quarterly</i>	14
<i>Crime &amp; Delinquency</i>	2	<i>Papers in Applied Geography</i>	1
<i>Criminology</i>	19	<i>Police Practice &amp; Research</i>	2
<i>Criminology &amp; Public Policy</i>	5	<i>Policing, An International Journal</i>	3
<i>Criminal Justice Review</i>	1	<i>Policing, A Journal of Policy &amp; Practice</i>	3
<i>Crime Science</i>	2	<i>Policing &amp; Society</i>	3
<i>European Journal on Criminal Policy &amp; Research</i>	2	<i>PLOS One</i>	1
<i>Evaluation &amp; Program Planning</i>	1	<i>Police Journal</i>	1
<i>International Criminal Justice Review</i>	1	<i>Police Quarterly</i>	4
<i>International Criminology</i>	1	<i>Population and Environment</i>	1
<i>International Journal of Comparative and Applied Criminal Justice</i>	1	<i>Public Administration Review</i>	1
<i>International Journal of Forecasting</i>	1	<i>Security Journal</i>	1
<i>International Journal of Offender Therapy and Comparative Criminology</i>	2	<i>Spatial Demography</i>	1
<i>Journal of Community Psychology</i>	1	<i>Sociological Methods &amp; Research</i>	1
<i>Journal of Criminal Justice</i>	15	<i>Social Science Research</i>	1
<i>Journal of Crime and Justice</i>	2	<i>Social Science Research</i>	1
<i>Journal of Experimental Criminology</i>	4	<i>Victims &amp; Offenders</i>	1
<i>Journal of Policy Analysis and Management</i>	3		

**London Mayor's Office for Policing and Crime, Body-Worn Camera Research Advisory Board: Spring 2022-Present**

**Editorial Board Member:**

*Criminology: Spring 2021-Present*

*Journal of Criminal Justice: Summer 2020-Present*

*Journal of Research in Crime and Delinquency: Spring 2017-Present*

*Police Practice & Research: Fall 2020-Present*

***American Society of Criminology***

*-Scientific Integrity Committee: Spring 2022-Present*

*-Division of Policing, Awards Committee Member: Fall 2018*

***Crime and Justice Research Alliance:***

***Fall 2015-Present***

*Subject Matter Expert*

*-Crime Mapping, Spatial Analysis, Compstat, Problem-Oriented Policing*