

Email: [jacobkap@sas.upenn.edu](mailto:jacobkap@sas.upenn.edu)  
Website: [crimedatatool.com](http://crimedatatool.com)  
GitHub: <https://github.com/jacobkap>

## Education

2016 - 2020 (Expected)	Ph.D. in Criminology University of Pennsylvania (Advisor: John MacDonald) Dissertation: "The Effect of Lighting and Building Security on Crime"
2015 - 2016	M.S. in Criminology University of Pennsylvania (Advisor: Greg Ridgeway) Thesis: "Assessing the Effect of Hiring Standards on Minority Recruitment in Police"
2011 - 2015	B.S. in Criminal Justice California State University, Sacramento

## Publications

- **Kaplan, J.**, Chalfin, A. More Cops, Fewer Prisoners? *Criminology & Public Policy*. 2019;18:171-200. <https://doi.org/10.1111/1745-9133/12424>

## Manuscripts Under Review

- **Kaplan, J.** "The Effect of Card Reader Locks on Theft on a University Campus"
- **Kaplan, J** & Goh, L.S. "Harm Reduction in Family Violence: Does Marijuana Make Assaults Safer?"
- **Kaplan, J.** "The Effect of Moonlight on Outdoor Nighttime Crime"
- **Kaplan, J**, Ling, S, & Cuellar, M. "Public Beliefs About the Accuracy and Importance of Forensic Evidence in the United States"
- Chalfin, A, **Kaplan, J**, & Cuellar, M. "Re-Examining the Law of Crime Concentration: Between- and Within-City Evidence"

## Work in Progress

- Chalfin, A, **Kaplan, J**, & LaForest, M. "Ambient Lighting and Crime: Evidence from Street Light Outages in America's Three Largest Cities"

- **Kaplan, J.** “Outdoor Lighting and Arrests: A Natural Experiment Using Daylight Savings Time”
- Chalfin, A, **Kaplan, J.**, & Nguyen, V. “Police Manpower and Local Jail Utilization”

## Teaching Experience

### **R for Criminology**

This book introduces the programming language R and is meant for undergrads or graduate students studying criminology. R is a programming language that is well-suited to the type of work frequently done in criminology - taking messy data and turning it into useful information. While R is a useful tool for many fields of study, this book focuses on the skills criminologists should know and uses crime data for the example data sets.

Available at <https://r4crim.com/>

- 2016 - 2019 **Teaching Assistant**, Department of Criminology, University of Pennsylvania.  
"Research Methods and Crime Analysis" (Graduate)  
"Statistics for Social Science" (Undergraduate)
- 2016 **Teaching Assistant**, Fels Institute of Government, University of Pennsylvania.  
"Program Evaluation and Data Analysis" (Graduate)
- 2014 - 2015 **Teaching Assistant**, Department of Biology, California State University, Sacramento.  
"Biology: A Human Perspective" (Undergraduate)

## Professional Experience

- 2018 - 2019 **Consultant for Philadelphia City Commissioner Al Schmidt.**  
Produced a website to allow Dr. Schmidt's team to analyze voting data.
- 2018 **Research Assistant**, Fels Institute of Government, University of Pennsylvania.  
Produced and tested code to convert voting records into a report for the Philadelphia City Commissioner.
- 2017 - 2018 **Research Assistant**, National Archive of Criminal Justice Data (NACJD).  
Wrote the Justice Data Learning Guide: No. 2, "Using the Law Enforcement Agency Identifiers Crosswalk (LEAIC)."
- 2016 **Research Assistant**, Dr. Emily Owens, University of Pennsylvania.  
Collected, cleaned, and prepared Census data for analysis and visualization.

## Presentations

- “Using Publicly Available Crime Data”  
2020 Panel Paper, American Society of Criminology

"More Cops, Fewer Prisoners?"

2019 Panel Paper, Western Society of Criminology  
2018 Panel Paper, Associations for Public Policy Analysis & Management

"Moonlight and Crime: A Quasi-Experimental Approach"

2018 Roundtable, American Society of Criminology

"The Effect of Card Reader Locks on Theft on a University Campus"

2018 Poster, Associations for Public Policy Analysis & Management

2017 Poster, American Society of Criminology

## Software

*fastDummies:*  
(63k downloads) R package for quickly and efficiently making binary columns out of categorical columns. It also fills in "dummy rows" for data sets missing rows of data based on all combinations of categorical and date columns. Available at <https://jacobkap.github.io/fastDummies/>

*boxoffice:*  
(16k downloads): R package to scrape movie data online to get daily box office results of movie ticket sales and information on top grossing movies. Available at <https://jacobkap.github.io/boxoffice/>

*asciiSetupReader:*  
(10k downloads): R package for reading fixed-width ASCII files that have an .sps or .sas setup file. It also allows users to quickly generate setup files. Available at <https://jacobkap.github.io/asciiSetupReader/>

*caesar:*  
(8k downloads): R package to encrypt and decrypt strings using a simple Caesar cipher or a pseudorandom number generation. Available at <https://jacobkap.github.io/caesar/>

*predictrace:*  
(700 downloads): R package to predict the race of a surname using U.S. Census data which says how many people of each race has a certain surname. Available at <https://jacobkap.github.io/predictrace/>

## List of data collected, cleaned, and made publicly available

Annual Survey of Public Employment & Payroll (ASPEP) 1992-2016

Available at <http://doi.org/10.3886/E101399V5>

Annual Survey of State Government Finances 1992-2016

Available at <http://doi.org/10.3886/E101880V2>

Apparent Per Capita Alcohol Consumption: National, State, and Regional Trends 1977-2016

Available at <http://doi.org/10.3886/E105583V2>

California Department of Corrections Data

Available at <http://doi.org/10.3886/E108602V1>

California Jail Profile Survey 1995-2018

Available at <http://doi.org/10.3886/E104560V4>

Texas Commission on Jail Standards 1992-2017

Available at <https://doi.org/10.3886/E104643V1>

U.S. Customs and Border Protection Statistics and Summaries

Available at <http://doi.org/10.3886/E109522V1>

Uniform Crime Reporting (UCR) Program Data: Arrests by Age, Sex, and Race 1974-2016

Available at <http://doi.org/10.3886/E102263V7>

Uniform Crime Reporting (UCR) Program Data: Arson 1979-2017

Available at <http://doi.org/10.3886/E103540V4>

Uniform Crime Reporting (UCR) Program Data: County-Level Detailed Arrest and Offense Data

Available at <http://doi.org/10.3886/E108164V3>

Uniform Crime Reporting (UCR) Program Data: Hate Crime Data 1992-2017

Available at <http://doi.org/10.3886/E103500V4>

Uniform Crime Reporting (UCR) Program Data: Law Enforcement Officers Killed and Assaulted (LEOKA) 196-2017

Available at <http://doi.org/10.3886/E102180V5>

Uniform Crime Reporting (UCR) Program Data: Offenses Known and Clearances by Arrest 1960-2017

Available at <http://doi.org/10.3886/E100707V10>

Uniform Crime Reporting (UCR) Program Data: Property Stolen and Recovered (Supplement to Return A) 1960-2017

Available at <http://doi.org/10.3886/E105403V2>

Uniform Crime Reporting (UCR) Program Data: Supplementary Homicide Reports 1976-2017

Available at <http://doi.org/10.3886/E100699V6>

United States Governors 1775-2018

Available at <https://doi.org/10.3886/E102000V1>