Kyle C. Anderson
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***Data Scientist I*, Justice and Security Strategies, Inc. (JSS)**, May 2018 - Present.
The Data Scientist I will work with the JSS team to conduct research on cutting-edge criminal justice issues and crime reduction strategies for law enforcement agencies and their respective communities. Specifically, the Data Scientist I is responsible for assessing law enforcement data, developing analytical strategies, producing project deliverables, and conducting general day-to-day tasks in furtherance of client needs. In addition to project-related responsibilities, the Data Scientist I will work with client personnel to develop new strategies and mechanisms for law enforcement analytics, visualizations, and dissemination of information to stakeholders.

Recent Projects Include:
- Data Scientist I for the National Crime Statistics Exchange (NCS-X) program funded by the Bureau of Justice Statistics to enable the LAPD to transition to the National Incident Based Reporting System.
- Data Scientist I for the evaluation and analysis of historical homicide reports in conjunction with the LAPD's Homicide Library
- Research Associate for Testing and Evaluating Body Worn Video Technology in The Los Angeles Police Department, funded by the National Institute of Justice to evaluate the implementation of body worn cameras in the LAPD
- Research Associate for the National Prosecutors Consortium. Collect, review, and code articles to create a searchable database of resources recommendable to prosecutors as part of the technical assistance provision
- Research Associate for the Los Angeles Crime Gun Intelligence Center funded by the Bureau of Justice Assistance (BJA), US Department of Justice to reduce gun-related crimes in the city of Los Angeles
- Research Associate for the Technology Innovation for Public Safety (TIPS) program funded by the Bureau of Justice Assistance to enhance public safety through automated license plate recognition software

PROFESSIONAL AND RELATED WORK EXPERIENCE

***Data Scientist I*, Hierarchical Data Restructure and Visualizations, LAPD NIBRS Grant**, January 2020 - Current.
Working with the 2016 ICPSR NIBRS dataset to provide a general theory of data restructuring and data visualizations for the LAPD post-NIBRS implementation. Using R and subsequent packages to create easily analyzable datasets for LAPD crime analysts, general rules and concepts related to NIBRS data, and reproducible data visualizations and reports for LAPD future use.

***Data Scientist I,* Assessment of Homicide Clearance Rates Using LAPD Homicide Books**
February 2020

Assisted in the development of data collection protocols in an assessment of LAPD Homicide Books from 1990 – 2009. Created a Microsoft Excel workbook for collecting, organizing, and recoding variables for use in analysis. Conducted two logistic regression models using the Homicide Book data to create preliminary measures for factors associated with higher or lower homicide case clearance rates.

Research Associate I, **Evaluation of the LAPD CGIC Program, LAPD NIBRS Grant**, June 2019 – September 2019.

Evaluation of the LAPD's CGIC program that was implemented in September 2016. Designed data collection protocols, maintained databases, and conducted assessments of performance measures. Used a quasi-experimental design to determine the effectiveness of the LA CGIC in reducing firearm-related crime.

Principal Investigator, **Master's Thesis, California State University, Long Beach**, September 2017 – May 2019.

Survey research on student perceptions of factors related to changes to the value of marijuana, cocaine, and ecstasy following the implementation of CA Proposition 64. Obtained project approval from IRB, created survey instrument on Qualtrics, collected data from sample population of 829 students, and analyzed data on SPSS by conducting a Friedman test.

SKILLS AND CERTIFICATIONS

- ☐ Analytical computer skills include R, Stata, pgAdmin, SPSS, Tableau, Atlas.ti, Microsoft Access, Qualtrics, and ArcGIS
- ☐ Standard computer skills include Microsoft Word, Excel, and PowerPoint

EDUCATION

- ☐ California State University, Long Beach, CA Master's of Science in Criminology and Criminal Justice, May 2019, GPA 3.89
- ☐ California State University, Bakersfield, CA Bachelor's of Arts in Psychology, June 2016, GPA 3.59, *Cum Laude*

HONORS AND AWARDS

California State University, Long Beach
Alpha Phi Sigma Membership, 2017-2019

California State University, Long Beach
State University Grant, 2017, 2018

California State University, Bakersfield
Dean's List 2012-2015

California State University, Bakersfield
Hawk Honors Program Graduate, 2016

California State University, Bakersfield
Division I, Pacific-12 Conference, Wrestling Scholarship 2013-2016