

JOSHUA J FINK

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RESUME 2016

Profile

A data and social scientist interested in using modern Bayesian statistics and computational methods to study consumer behavior, sports, stratification processes, and the police and law enforcement.

Education

Ph.D., Sociology

Duke University,
Expected 2016

M.S., Statistical Science

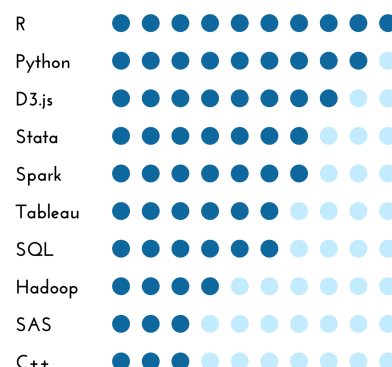
Duke University,
Earned 2015

B.A., Sociology

Pepperdine University,
Cum Laude 2011

Expertise

I specialize in data visualization and building Bayesian predictive models with Markov Chain Monte Carlo (MCMC) samplers (and other stochastic processes). I also have experience using a variety of clustering algorithms and managing large databases with tools such as Apache Spark and HDFS. My preferred work-flow would involve Spark, R, and/or Python for data cleaning and analysis, and R or D3.js for visualization. I am also proficient in git, Amazon Web Services (AWS), JavaScript, and the UNIX shell.



Selected Experience

Sports Franchise: (Non-disclosure agreement)

Data Scientist and Analytics Consultant

February 2016-present

Perform player analysis and create interactive JavaScript visualization dashboards to be used by front office personnel and coaches.

American Statistical Association: Washington, DC

Law & Justice Statistics Data Scientist

February 2015-present

Keep track of ongoing research projects for the Law and Justice Committee of the American Statistical Association. Maintain databases and perform statistical analyses related to U.S. crime and policing.

National Institute of Health/Aging: Durham, NC

Predocctoral Research Fellow

May 2013-August 2015

Execute quantitative research on the demography of health and aging. Perform regular presentations of research at conferences and weekly fellow meetings.

WZB, Social Science Center: Berlin, Germany

Research Analyst

May 2013-August 2013

Clean, explore, and analyze cross-national data on immigration and law enforcement. Participate in science center discussion sessions and panels related to ongoing research projects of scientists at the Berlin center.

Published Research

Race and Consumption: Examining the Role of Structural Price Constraints with Hybrid Effects Models

Charron-Chénier, Raphaël, Joshua Fink, Lisa A. Keister

Sociology of Race and Ethnicity

Age, Structure, and Neighborhood Homicide: A Latent Trajectory Model of the Differential Institutional Engagement Hypothesis

Dollar, Cindy, Patty McCall, Ken Land, Joshua Fink

Journal of Quantitative Criminology, R&R

Class, Crime, and Latent Classes of Crime: A Bayesian Approach to a Persistent Enigma

Fink, Joshua

Criminology, under review