Brandon Kramer, Ph.D.
Social Scientist / Data Scientist

563-543-4205 - brandonleekramer@gmail.com
www.brandonleekramer.com - www.github.com/brandonleekramer

Social scientist / data scientist with nine years experience using diverse methodologies to study ethics and inequality at the intersection of science, technology, politics, and health

Work Experience

University of Virginia - Arlington, VA

Postdoctoral Research Associate - Biocomplexity Institute   **07/2019-Present**
- Built data analysis pipelines in R and SQL to support evidence-based policymaking for local/federal governments
- Conducted computational text analysis and network analysis on team project examining collaboration tendencies and labor cost estimates of 8M+ open-source software repositories for U.S. federal statistical agency
- Co-developed predictive modeling approach in R to identify gentrification risk in Fairfax County, VA census tracts
- Designed and implemented large-scale text analysis of 19M+ biomedical abstracts using R, Python, and SQL
- Administered online experiments testing how different communication platforms influence collective action
- Collected and linked multiple publicly-available, county-level data sources to visualize how built infrastructure shapes economic mobility across three states in Shiny dashboards and online data visualizations

Rutgers University - New Brunswick, NJ

Graduate Research Assistant - School of Communication & Information   **09/2017-05/2019**
- Programmed and disseminated online survey in Qualtrics for multi-state, multi-cohort longitudinal study
- Cleaned and curated dataset in SPSS for a project evaluating online substance-use intervention on Facebook
- Ran inferential network models to determine how federal policymakers exchange scientific evidence in Congress

Graduate Instructor & Teaching Assistant - Department of Sociology   **01/2016-12/2017**
- Instructor for 150+ students during two semesters of Sociology of Medicine & Healthcare course
- Nominated to teaching honor roll for all four semesters serving as instructor and graduate teaching assistant

Graduate Research Assistant - Department of Sociology   **09/2012-05/2016**
- Managed research lab conducting experiments on how psychological threats affect biological reactivity and health
- Maintained technical/data infrastructure, conducted statistical analyses and co-wrote two published manuscripts
- Oversaw hiring and mentorship of 20+ undergraduate research assistants over 4 year period with more than 10 students moving onto advanced graduate or medical training

Barnard College - New York, NY

Graduate Research Assistant - Women's, Gender, and Sexuality Studies   **09/2015-09/2016**
- Conducted qualitative interviews and content analysis of scientific literature for book project on hormone research
- Trained extensively in feminist and critical race methodologies, resulting in two published manuscripts

Technical Skills

Programming Languages: R, Python, SPSS, Stata, SQL	**Sites/Apps:** Hugo, Netlify, Shiny
Operating Systems: Windows, MacOS, Linux	**Collaboration:** Git, GitHub
Database/Server: Postgres, Synology	**Survey Design:** Qualtrics
Cloud/High Performance Computing: AWS, Rivanna	**Network Analysis:** Gephi
Writing/Editing: Microsoft Suite, Google Docs, LaTex, Illustrator	**Online Experiments:** MTURK

Honors/Awards

Awarded over $10,000 in research/travel funds as well as four best paper awards for academic scholarship

Education

Ph.D., Sociology - Rutgers University, New Brunswick, NJ	**2012-2019**
M.A., Sociology - Rutgers University, New Brunswick, NJ	**2012-2014**
B.A., Sociology - University of Iowa, Iowa City, IA	**2006-2010**