

# BRANDON L. KRAMER

## Curriculum Vitae - January 2021

Biocomplexity Institute and Initiative  
University of Virginia  
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### Academic Appointments

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2019- **Postdoctoral Research Associate, University of Virginia**  
Biocomplexity Institute & Initiative, Social and Decision Analytics Division

### Education

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2019 **Ph.D. Sociology, Rutgers, The State University of New Jersey**  
*Dissertation:* "Molecularization at the Intersections: Testosterone, Prostate Cancer and the Construction of Racial Difference"  
*Committee:* Kristen Springer (Chair), Joanna Kempner, Catherine Lee, Rebecca Jordan-Young (Barnard College)

2014 **M.A. Sociology, Rutgers, The State University of New Jersey**

2010 **B.A. Sociology, University of Iowa**

### Research Interests

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Science & Technology Studies  
Computational Social Science

Critical Race Studies  
Sex, Gender & Sexuality

Medical Sociology/Health  
Social Neuroscience

### Computational Skills

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R, Python, Stata, SPSS, Postgres/SQL, Cypher/neo4j, Gephi, Shell, Git, LaTeX (see below)

### Publications

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**Kramer, B. L.** (2020). "The Molecularization of Race in Testosterone Research." *BioSocieties*. ([Link](#), Impact Factor = 3.083)

Woteki, C. E., **Kramer, B. L.**, Lancaster, V. & Cohen, S. (2020). "Impacts and Echoes: The Lasting Influence of the White House Conference on Food, Nutrition and Health." *Annual Review of Nutrition*. ([Link](#), Impact Factor = 10.897)

Carlin, L. & **Kramer, B. L.** (2020). "Hair, Hormones & Haunting: Race as a Ghost Variable in Polycystic Ovary Syndrome." *Science, Technology & Human Values*. ([Link](#), Impact Factor = 3.160).

Himmelstein, M., **Kramer, B. L.** & Springer, K. (2019). "Stress in Strong Convictions: Precarious Manhood Beliefs Moderate Cortisol Reactivity to Masculinity Threats." *Psychology of Men and Masculinity*, 20(4), 491-502. ([Link](#), Impact Factor = 1.813).

**Kramer, B. L.**, Himmelstein, M. S., & Springer, K. W. (2017). "Getting to the Heart of Masculinity Stressors: Masculinity Threats Induce Pronounced Vagal Withdrawal During a Speaking Task." *Annals of Behavioral Medicine*, 51(6), 846-855. ([Link](#), Impact Factor = 3.118).

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### Under Review

Glenn, S., Greene, K., Ray A., Kramer, B. L., Lyons, R. & Hecht, M. "The Relationship Between Social Media Use and Substance Use: Results from a Study of REAL media." *Draft Available*.

Calderón, J.B.S., Kramer, B. L., & Korkmaz, G. "GHOST.jl: GitHub Open Source Software Tracker." *Draft Available*.

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### Other Published Works

Eliza Tobin, Cong Cong, Victoria Halewicz, Quinton Neville, Teja Pristavec, Josh Goldstein, Brandon Kramer, Stephanie Shipp, Joy Tobin. (2020) "Creating CommunityScapes: Using Data Science to Inform Evidence-Based Health Policy." *MethodSpace*. SAGE Publishing. ([Link](#))

Cong Cong, Calvin Isch, Eliza Tobin, Gizem Korkmaz, J Bayoán Santiago Calderón, Aaron Schroeder, and Brandon Kramer. (2020) "Open Source: The Future of Software Innovation." *MethodSpace*. SAGE Publishing. ([Link](#))

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### Select Works in Progress

Kramer, B. L., Korkmaz, G., Calderón, J.B.S., Robbins, C. & Keller, S. "International Collaboration in Open Source Software: A Longitudinal Network Analysis of GitHub." *Draft Available*.

Korkmaz, G., Robbins, C., Calderon, J.B.S., Kramer, B., Schroder, A., & Keller, S. "Measuring the Cost of Open Source Software Innovation on GitHub." *Draft Available*.

Kramer, B. L. "T/racing Controversy through Consensus: A Historical Network Analysis of Testosterone, Race and Prostate Cancer." *Draft Available*.

Kramer, B. L. & Lee, C. "Measuring the Growth of Diversity in Biomedical Research."

Pristavec. P., Kramer, B. L., & Goldstein, J. "Using Publically Available Data to Understand Neighborhood Change and Mitigate Gentrification: A Case Study from Fairfax County, VA."

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### Grants, Awards & Fellowships

2018-19	David Mechanic Scholar Award, \$4000, Institute of Health, Health Care Policy and Aging Research, Rutgers University
2018-19	Graduate Fellowship, School of Comm. & Information, Rutgers University
2018	Sociology Small Grant Award, \$500, Department of Sociology, Rutgers University
2018	Graduate Fellowship, School of Comm. & Information, Rutgers University

2018	TA/GA Professional Development Fund, \$1055, Department of Sociology, Rutgers University
2015	Special Fellowship, Department of Sociology, Rutgers University
2014-15	Excellence Fellowship, Department of Sociology, Rutgers University
2013-14	Graduate Assistantship, Institute of Health, Health Care Policy and Aging Research, Rutgers University
2013	Matilda White Riley Term Paper Award, \$350, Dept. of Sociology, Rutgers University
2012-13	Excellence Fellowship, Department of Sociology, Rutgers University
2010	J. Richard Wilmeth Award for Excellent Honors Thesis, University of Iowa, Dept. of Sociology
2010	Manford Kuhn Award for Best Undergraduate Junior-Senior Paper, Iowa Sociological Association
2010	Award for Distinguished Poster Presentation in Social Sciences, University of Iowa Center for Research by Undergraduates, University of Iowa
2010	Honors Program Participant, American Sociological Association Meeting
2010	Outstanding Senior Award, University of Iowa, Dept. of Sociology
2010	Iowa Center for Research by Undergraduates Travel Grant, University of Iowa
2010	Honors Program Travel Grant, American Sociological Association
2010	Annual Conference Travel Grant, Midwest Sociological Society
2009-10	ICRU Fellowship, Iowa Center for Research by Undergraduates, \$2500, Uni. Iowa
2008	Alpha Kappa Delta National Honors Recipient, University of Iowa

### Conference & Invited Presentations

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Robbins, C., Korkmaz, G., Guci, L., Calderón, J.B.S., & Kramer, B. L. "A First Look at Open Source Software Investment in the United States and in the Other Countries, 2009-2019." International Association for Research in Income and Wealth, Scheduled for June 2021.

Kramer, B. L., Korkmaz, G., Calderón, J.B.S., & Robbins, C. "International Collaboration in Open Source Software: A Longitudinal Network Analysis of GitHub." Annual Conference on Network Science and Economics, Scheduled for March 2021.

Kramer, B. L., Korkmaz, G., Calderón, J.B.S., & Robbins, C. "A Longitudinal Analysis of International Collaboration on GitHub." North American Regional Social Networks conference, Online Due to COVID-19, January 2021.

Moradi-Jamei, B. Kramer, B. L., Calderón, J.B.S., & Korkmaz, G. "Community Detection and Analysis of GitHub Collaboration Networks." North American Regional Social Networks conference, Online Due to COVID-19, January 2021.

Gitre, E., Dawson, C., Kramer, B. L., & Korkmaz, G. "Using Text Networks to Examine American Soldier's Perspectives on Racial Segregation during World War II." North American Regional Social Networks conference, Online Due to COVID-19, January 2021.

Korkmaz, G., Capra, M., Dawson, C., Kattampallil, N., Kramer, B. L., Kuhlman, C., Lancaster, V., Mikytuk, A., Pristavec, T., & Vega-Redondo, F. "An Experimental Study of Collective Action on Communication Networks." North American Regional Social Networks conference, Online Due to COVID-19, January 2021.

Pristavec, T., Kramer, B. L., & Goldstein, J. "Using Publicly Available Data to Understand Neighborhood Change and Mitigate Gentrification." National American Regional Science County Annual Conference. Online Due to COVID-19, November 2020.

Korkmaz, G., Robbins, C., Calderón, J.B.S., Kramer, B. L., Schroder, A., & Keller, S. "Measuring the Cost and Impact of Open Source Software Innovation on GitHub." *Invited Presentation* at the Harvard Business School, Harvard University, Online Due to COVID-19, November 2020.

Kramer, B. L. "The Molecularization of Race in Testosterone Research." *Invited Presentation* at the Institute of Health, Healthcare Policy and Aging Research, Rutgers University, Online Due to COVID-19, September 2020.

Calderón, J.B.S.\*, Kramer, B. L.\*, Korkmaz, G., Robbins, C., Schroder, A., & Keller, S. "Measuring the Cost and Impact of Open Source Software as Intangible Capital: International Collaboration Networks." [Federal Committee of Statistical Methodology Interest Group on Computational Statistics and Official Statistics](#), Online Due to COVID-19, May 2020.

Calderón, J.B.S.\*, Kramer, B. L.\*, Korkmaz, G., Robbins, C., Schroder, A., & Keller, S. "Measuring the Cost and Impact of Open Source Software as Intangible Capital: International Collaboration Networks." *Invited Presentation* at Westat, Rockville, MD, January 2020.

Kramer, B. L. "Tracing Change in Scientific Consensus: Testosterone, Race and Controversy in Prostate Cancer Research." Society for Social Studies of Science, New Orleans, LA, August 2019.

Kramer, B. L. "The Molecularization of Race in Testosterone Research." American Sociological Association, New York, NY., August 2019.

Weber, M., Kramer, B. L., & Yanovitzky, I. "Networks of Evidence Use in the Context of Federal Childhood Policymaking." International Communication Association, Washington, D.C., May 2019.

Greene, K., Choi, H.J., Ray, A., Hecht, M., Glenn, S., Kramer, B. L., Peña-Alves, S., Lyons, R., Miller-Day, M., & Banerjee, S. "Short-term Effects of the REAL media Curriculum in a Sample of 4-H Youth. International Communication Association, Washington, D.C., May 2019.

Greene, K., Ray, A. E., Hecht, M. L., Glenn, S., Kramer, B. L., Peña-Alves, S., Banerjee, S. C., Choi, H. J., Lyons, R., & Miller-Day, M. "Implementing and disseminating REAL media through 4-H clubs and D.A.R.E.: Peer-to-peer delivery of messages through websites and social media." Annual Conference on Dissemination and Implementation, Washington, D.C., December 2018.

Kramer, B. L. "Visualizing the Racialization of Testosterone in Biomedical Studies." Society for Social Studies of Science, Sydney, Australia, August 2018.

Carlin, L. & Kramer, B. L. "Hair, Hormones & Ghosts: How Race is Submerged in Polycystic Ovary Syndrome." Society for Social Studies of Science, Sydney, Australia, August 2018.

Kramer, B. L. "The Sensitive Subjects of Personalized Sexual Medicine." American Sociological Association, Philadelphia, PA., August 2018.

Carlin, L. & Kramer, B. L. "Unveiling the Ghosts of the Post-Genomic: How Race is Submerged in Polycystic Ovary Syndrome." American Sociological Association, Philadelphia, PA., August 2018.

Kramer, B. L., Springer, K. W., & Himmelstein, M. S. "Getting to the Heart of Masculinity Stressors: Masculinity Threats Induce Pronounced Vagal Withdrawal During a Speaking Task." Eastern Sociological Society, Baltimore, MD., February 2018.

Kramer, B.L. & Carlin, L. "Tracing Race as a Ghost Variable in Testosterone Research." Eastern Sociological Society, Baltimore, MD., February 2018.

Kramer, B. L. "Making Multitasking Matter: Using Object-Oriented Ontology to Study Human Drone Systems." Society for Social Studies of Science, Boston, MA., August 2017.

Carlin, L., Kramer, B. L. "Tracing Race as a Ghost Variable: Submerging Race in Biomedical Studies of Testosterone." Society for Social Studies of Science, Boston, MA., August 2017.

Springer, K. W., Kramer, B. L., & Himmelstein, M. S. "Getting to the Heart of Masculinity Stressors: Masculinity Threats Induce Pronounced Vagal Withdrawal During a Speaking Task." American Sociological Association, Montreal, Canada. August 2017.

Kramer, B. "The Pharmaceuticalization of Emotional Brains: Tracing the Emergence of Personalized Sexual Medicine." Eastern Sociological Society, Philadelphia, PA., February 2017.

Kramer, B., Springer, K.W., & Himmelstein, M. S. "Unpacking the Black Box: Using Psychophysiology to Better Understand Men and Masculinities." American Sociological Association, Chicago, IL., August 2015.

Kramer, B.L. "Using Developmental Systems Theory and Social Neuroscience in the Sociology of Culture and Cognition." Eastern Sociological Society, New York, NY., February 2015.

Kramer, B.L. "The Critical Neuroscience of Media Multitasking." Invited Speaker for Culture Workshop, Rutgers University, New Brunswick, NJ., September 2014.

Kramer, B.L. "Polychronic Technology Usage: Understanding Intra/Intergenerational Variation of Media Multitasking in Diverse Groups." University of Iowa Department of Sociology Social Psychology Horseshoe, Iowa City, IA, March 2010. Revised version presented at Midwest Sociological Society, Chicago, IL., March 2010, Iowa Sociological Association Meeting, Cedar Falls, IA., April 2010, and American Sociological Association, Atlanta, GA., August 2010.

## Teaching Experience

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Sum 2020	<i>Team Leader, Mentor &amp; Team Member, Data Science for the Public Good, UVA</i>
Sum 2019	<i>Mentor &amp; Team Member, Data Science for the Public Good, UVA</i>
Fall 2017	<i>Instructor, Sociology of Medicine &amp; Health Care, Rutgers University, Sociology</i>
Spring 2017	<i>Instructor, Sociology of Medicine &amp; Health Care, Rutgers University, Sociology</i>

Fall 2016      *Teaching Assistant, Soc. Research Methods, Rutgers University, Sociology*  
Spring 2016   *Teaching Assistant, Contemporary Soc. Theory, Rutgers University, Sociology*  
Fall 2008      *Undergraduate Teaching Assistant, Soc. Theory, University of Iowa, Sociology*

### **Academic Service**

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2021            *Session Organizer, Networks 2021 session on Experimental Studies of Communication on Social Networks*  
2020            *Recruitment Committee, Data Science for the Public Good, Social and Decision Analytics Division, University of Virginia*  
2019            *Advisory Board, Jason B. Phillips Memorial Scholarship*  
2018            *Conference Co-Organizer, Symbioses Biosocial Network, New Brunswick, NJ*  
2017-18        *Job Search Committee Graduate Representative, Rutgers, Dept. of Sociology*  
2013-17        *Mentor, Rutgers Sociology Multigenerational Mentoring Program*  
2013-14        *Colloquium Committee Representative, Rutgers, Department of Sociology*

### **Mentoring Experience**

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*Past/Current Graduate Mentees: Daniel Bullock (University of Indiana), Finn Roberts (University of Minnesota)*

*Past/Current Undergraduate Mentees: Kyle Jacobs (Virginia State University), Crystal Zang (Smith College), Saimun Habib (Harvard College), Nicholas Trubilla (Rutgers), Rushil Bose (Rutgers), Javier Alonso (Rutgers), Samira Dodson (Rutgers), Nima Jamalkhani (Rutgers), Brian Gregson (Rutgers), Andrew Jung (Rutgers), Sindhu Kilakkathi (Rutgers), Victor Mensah (Rutgers), Christopher Webster (Rutgers), Adam Opitz (Rutgers)*

### **Journal Reviewer**

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*Journal of Health Psychology, Sociological Forum, Rutgers Journal of Sociology*

### **Professional Memberships**

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*American Sociological Association, American Statistical Association, Society for Social Studies of Science, Alpha Kappa Delta*

### **Technical & Language Skills**

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*Technical Skills: Document & Presentation Preparation (Microsoft Suite, Adobe Illustrator, LaTeX); Statistics (R, Python, SPSS, STATA); Networks (R, Python, Gephi, Sci2); Text Analysis (R, NVivo, Dedoose); Repository & Web Hosting (Git, GitHub, Hugo); Graph Databases (neo4j, Cypher); Relational Databases (PostgreSQL); Cloud Computing (AWS EC2 Web Services, UVA's Rivanna HPC); Survey Design (Qualtrics); Online Experiments (Amazon Mechanical Turk); Online Databases (ISI Web of Science, Scopus, Google Scholar, PubMed); Reference Platforms (EndNote, Zotero, Mendeley, LaTeX); Psychophysiology Software & Acquisition (AcqKnowledge, E-Prime, CNAP 500at BP acquisition, BIOPAC Systems including electrocardiograph, heart rate variability, respiration, & blood pressure; Mindware HRV/BPV); Biomarker Acquisition (Cortisol & Testosterone via saliva)*

*Language Skills:* English (native, fluent); Spanish (intermediate)

## **References**

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References available upon request