

# BRANDON L. KRAMER

Curriculum Vitae - October 2021

**Work Address:**  
Biocomplexity Institute  
University of Virginia  
1100 Wilson Blvd, Suite 2910  
Arlington, VA 22209

**Phone Contact:** 563-543-4205  
**Email:** [brandonleekramer@gmail.com](mailto:brandonleekramer@gmail.com)  
**Website:** [www.brandonleekramer.com](http://www.brandonleekramer.com)  
**GitHub:** [www.github.com/brandonleekramer](https://www.github.com/brandonleekramer)  
**LinkedIn:** [www.linkedin.com/in/brandonleekramer](https://www.linkedin.com/in/brandonleekramer)

## Professional Experience

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2019- **Postdoctoral Research Associate, University of Virginia**  
Biocomplexity Institute, 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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Computational Social Science  
Science & Technology Studies

Race & Ethnicity  
Sex, Gender & Sexuality

Health & Medicine  
Software Studies

## Peer-Reviewed Publications & Conference Proceedings

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Moradi-Jamei, B. **Kramer, B.L.**, Santiago Calderón, J.B., & Korkmaz, G. "Community Formation and the Detection of GitHub Collaboration Networks." (2021). *Proceedings of the 2021 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining*. ([Link](#), IF = 4.46)

**Kramer, B. L.** (2020). "The Molecularization of Race in Testosterone Research." *BioSocieties*. ([Link](#), IF = 3.08)

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](#), IF = 10.90)

Carlin, L. & **Kramer, B. L.** (2020). "Hair, Hormones & Haunting: Race as a Ghost Variable in Polycystic Ovary Syndrome." *Science, Technology & Human Values*. ([Link](#), IF = 3.16).

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](#), IF = 1.81).

**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](#), IF = 3.12).

### **Papers Under Review**

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**Kramer, B. L.** & Lee, C. "The Rise of Diversity and Population Terminology in Biomedical Research." *Draft and [Project Website](#) Available.*

Gitre, E., **Kramer, B. L.**, Dawson, C., & Korkmaz, G. "Across the Color Line: Using Text Networks to Examine Black and White US Soldiers' Views on Race and White Supremacy During World War II." *Draft and [Project Website](#) Available.*

Pristavec, P., **Kramer, B. L.**, & Goldstein, J. "Modeling Neighborhood Change to Mitigate Gentrification: A Case Study of Fairfax County, VA." *Draft Available.*

Keller, S., Pristavec, P., **Kramer, B. L.**, Montalvo, C., Shipp, S., Dorius, C., Lancaster, V., Lambur, M., Linehan, Van Selous, K., Stockham, M., Voss, M., & Saimun, H. "A Review of Data Underlying Community-Based Research." *Draft Available.*

### **Other Public Facing Work**

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**Kramer, B. L.**, Calderón, J.B., & Korkmaz, G. "U.S.-International Collaborations in Open-Source Software: 2018." (forthcoming) *Invention, Knowledge Transfer, and Innovation*. Science and Engineering Indicators 2022: Official Report Published by the National Center for Science and Engineering Statistics.

Santiago Calderón, J.B., **Kramer, B. L.**, & Korkmaz, G. "Cumulative Contribution to U.S. Federal Departments and Agencies to Open-Source Software on GitHub: 2010-2019." (forthcoming) *Invention, Knowledge Transfer, and Innovation*. Science and Engineering Indicators 2022: Official Report Published by the National Center for Science and Engineering Statistics.

Tobin, E., Cong, C., Halewicz, V., Neville, Q., Pristavec, T., Goldstein, J., **Kramer, B. L.**, Shipp, S., Tobin, J. (2020) "Creating CommunityScapes: Using Data Science to Inform Evidence-Based Health Policy." *MethodSpace*. SAGE Publishing.

Cong, C., Isch, C., Tobin, E., Korkmaz, G., Santiago Calderón, J.B., Schroeder, A. and **Kramer, B. L.** (2020) "Open Source: The Future of Software Innovation." *MethodSpace*. SAGE Publishing.

### **Select Works in Progress**

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**Kramer, B. L.** "tidyorgs: A tidy package that standardizes text data for organizational analysis." *Version 0.0.1 Available at <https://github.com/brandonleekramer/tidyorgs>.*

**Kramer, B. L.** “diverstidy: A tidy package for studying diversity in text data.” Version 0.0.2 Available at <https://github.com/brandonleekramer/diverstidy>.

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

Korkmaz, G., Robbins, C., Santiago Calderón, J.B., **Kramer, B.** “Measuring the Cost of Open Source Software Innovation on GitHub.” *Draft Available*.

Santiago Calderón, J.B., **Kramer, B. L.,** & Korkmaz, G. “GHOST.jl: GitHub Open Source Software Tracker for Julia.” *Draft Available*.

### Grants, Awards & Fellowships

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2021	Key Personnel, Focused CoPe: Building Capacity for Data-Driven Adaptation in Rural Coastal Communities, National Science Foundation, \$4,856,943, 2021-26
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 Presentations

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Robbins, C., Korkmaz, G., Guci, L., Santiago Calderón, J.B., & **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 November 2021.

**Kramer, B.L.**, Korkmaz, G., Santiago Calderón, J.B., & Robbins, C. “Using Web Scraping and Network Analysis to Study International Collaboration in Open Source Software.” Federal Committee on Statistical Methodology, Web Scraping Session, *Scheduled* for November 2021.

**Kramer, B. L.** & Lee, C. “The Rise of Diversity and Population Terminology in Biomedical Research.” Society for the Social Studies of Science, *Scheduled* for October 2021.

**Kramer, B. L.** & Lee, C. “The Rise of Diversity and Population Terminology in Biomedical Research.” American Sociological Association, August 2021.

Mikytuck, A., Korkmaz, G., Capra, M., **Kramer, B.L.**, Dawson, C., Kattampallil, N., & Lancaster, V. “An Experimental Study of Collective Action and Group Communication.” American Psychological Association, August 2021.

**Kramer, B.L.**, Korkmaz, G., Santiago Calderón, J.B., & Robbins, C. “A Longitudinal Analysis of International Collaboration on GitHub.” Networks 2021, July 2021.

Gitre, E., Dawson, C., **Kramer, B.L.**, & Korkmaz, G. “Text Networks and the Racialized Military Service of American Troops in a Segregated US Armed Forces during the Second World War.” Networks 2021, July 2021.

Korkmaz, G., Capra, M., Dawson, C., Kattampallil, N., **Kramer, B.L.**, Kuhlman, C., Lancaster, V., Mikytuck, A., Pristavec, T., & Vega-Redondo, F. “An Experimental Study of Collective Action on Communication Networks.” Networks 2021, July 2021.

Robbins, C., Korkmaz, G., Guci, L., Santiago Calderón, J.B., & **Kramer, B.L.** “Measuring Open Source Software as an Intangible, Digital Asset using GitHub.” Sixth World KLEMS Conference, March 2021.

Moradi-Jamei, B. **Kramer, B.L.**, Santiago Calderón, J.B., & Korkmaz, G. “Community Detection in Open Source Software Collaboration Networks.” 2021 Symposium on Data Science & Statistics conference, *Scheduled* for June 4, 2021.

**Kramer, B.L.**, Korkmaz, G., Santiago Calderón, J.B., & 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.**, Santiago Calderón, J.B., & 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., Mikytuck, 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., Santiago Calderón, J.B., **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.

Santiago Calderón, J.B.\*, **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.

Santiago Calderón, J.B.\*, **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, HJ., 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.L.** “The Pharmaceuticalization of Emotional Brains: Tracing the Emergence of Personalized Sexual Medicine.” Eastern Sociological Society, Philadelphia, PA., February 2017.

**Kramer, B.L.**, 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 2021	Team Leader, Team Member & Mentor, Data Science for the Public Good, UVA
Sum 2020	Team Leader, Team Member & Mentor, Data Science for the Public Good, UVA
Sum 2019	Team Member & Mentor, Data Science for the Public Good, UVA
Fall 2017	Instructor, Sociology of Medicine & Health Care, Rutgers University, Sociology
Spring 2017	Instructor, Sociology of Medicine & Health Care, Rutgers University, Sociology
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

## Mentoring Experience

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

Past/Current Undergraduate Mentees: Stephanie Zhang (Rutgers), Kyle Jacobs (Virginia State University), 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)

## Academic Service

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2021-22	Star-Nelkin Paper Award Committee, American Sociological Association, Science, Knowledge and Technology Section
2021	Session Organizer, Networks 2021 session on Experimental Studies of Communication on Social Networks
2021	Recruitment Committee, Data Science for the Public Good, Social and Decision Analytics Division, University of Virginia
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

## 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, Society for Social Studies of Science, American Statistical Association, American Economic Association, Alpha Kappa Delta

## **Technical Skills**

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Statistical Programming Languages: R, Python, SQL, SPSS, Stata; Database/Server/Cloud: PostgreSQL, Synology, AWS, Rivanna; Writing/Presentation: Microsoft Suite, Google Suite, LaTeX; Websites/Collaboration: Hugo, Shiny, Git, GitHub; Other Software: Qualtrics, MTURK, Gephi, AcqKnowledge, BIOPAC

## **References**

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References available upon request