

CHRISTOPHER MICHAEL GRAZIUL, PhD

Department of Comparative Human Development
University of Chicago
1115 E 58th St
Chicago, IL 60637

Phone: (773)-702-9387
E-mail: graziul@uchicago.edu
ORCID iD: 0000-0001-8350-077X
Website: <https://graziul.io>

PROFESSIONAL EXPERIENCE

Positions

2022- Research Assistant Professor, Department of Comparative Human Development, University of Chicago
2018-22 Data Scientist, Department of Comparative Human Development, University of Chicago
2016-18 Postdoctoral Research Associate, Spatial Structures in the Social Sciences, Brown University
2014-15 Preceptor, Master of Arts Program in the Social Sciences, University of Chicago

Project-based research

2019-21 Subject Matter Expert, social network analysis for Social Inquiry, Inc.
2018-20 Consultant and Team Lead, spatial causal inference for James Evans, University of Chicago
2015-16 Research Assistant, natural language processing for James Evans, University of Chicago
2008-16 Research Assistant, data analytics and GIS for Terry Clark, University of Chicago
2009-12 Research Assistant, data analytics for G. Caleb Alexander, University of Chicago Medical Center

EDUCATION

2016 Ph.D. in Sociology. University of Chicago. Committee: Terry N. Clark, James Evans, Omar McRoberts
 Dissertation title: *Venues: Locating Social Context*.
2009 M.A. in Sociology, University of Chicago
2005 M.A. in Social Science, University of Chicago
2004 B.S. in Physics (with honors), Virginia Tech
2004 B.S. in Applied computational mathematics (with honors), Virginia Tech

GRANT ACTIVITY

2022-24 Principal Investigator, "Optimization of audio processing pipeline for broadcast police communications"
 Argonne National Laboratory, Argonne Leadership Computing Facility (6,000 node-hours Polaris, 2,000
 node-hours ThetaGPU).
2021-25 Principal Investigator (with Margaret Beale Spencer), "Primed to (re)act: Can changes in procedural
 language prevent adverse events between police and minority male youth?" National Institutes of Health,
 National Institute on Minority Health and Health Disparities, 1R01MD015064-01A1 (\$2,746,686).

PUBLICATIONS

Peer Reviewed Work

SLT 2024 Srivastava T, Chou J-C, Shroff P, Livescu, K, **Graziul C**. "Speech Recognition for Analysis of
 Police Radio Communication." *IEEE Spoken Language Technology Workshop*. Macao, China,
 December 2-5.

- CSCW** 2024 Venkit PN, **Graziul C**, Goodman MA, Kenny SN, Wilson S. "Race and Privacy in Broadcast Police Communications." *ACM Conference on Computer Supported Cooperative Work*. San José, Costa Rica, November 9-13.
- CMOT** 2023 **Graziul C**, Belikov A, Chattopadhyay I, Chen Z, Fang H, Girdhar A, Xiaoshuang J, Krafft PM, Kleiman-Weiner M, Lewis C, Liang C, Muchovej J, Vientós A, Young M, Evans J. "Does Big Data Serve Policy? Not Without Context. An Experiment with *in silico* Social Science." *Computational and Mathematical Organization Theory*. <https://doi.org/10.1007/s10588-022-09362-3>
- 2018 Logan J, **Graziul C**, Frey N. "Neighborhood formation in St. Louis, 1930." *Environment and Planning B: Analytics and City Science*. 45(6): 1157-1174.
- 2017 Yi J, **Graziul C**. "Religious conservatives and outsiders: Determinants of cross-racial ties among white Christians." *Review of Religious Research*. 59(2) (June): 231-250.
- 2012 **Graziul C**, Gibbons R, Alexander GC. "Association Between the Commercial Characteristics of Psychotropic Drugs and Their Off-label Use." *Medical Care* 50 (11) (November): 940–947.
- 2012 Kozman D, **Graziul C**, Gibbons R, Alexander GC. "Association Between Unemployment Rates and Prescription Drug Utilization in the United States, 2007–2010." *BMC Health Services Research* 12(1) (November 30): 435.

Book Chapters

- 2022 Fajardo SA, Lodato-Nichols B, Spencer MB, **Graziul C**. "Positive Identity Development as an Integration Measure: Reframing Alternative Conceptual Findings for Academically Resilient, Low Income Urban Youth." *Re/Formation and Identity: The Intersectionality of Development, Culture, and Immigration*. Edited by Deborah J. Johnson, Susan S. Chuang, and Jennifer Glozman. Springer.
- 2019 Spencer MB, Lodato-Nichols B, Spencer C, Rich L, **Graziul C**, English-Clarke T. "Chapter Four - Innovating Resilience Promotion: Integrating Cultural Practices, Social Ecologies and Development-Sensitive Conceptual Strategies for Advancing Child Well-Being." *Advances in Child Development and Behavior*. Edited by Daphne A. Henry, Elizabeth Votruba-Drzal, and Portia Miller, 57:101–48. JAI.
- 2018 **Graziul C**, Seymour E, Schlieth D. "Commuting Behavior and Local Population Loss: Means of Transportation to Work as an Indicator of Urban Decline." *ATPP: Transportation in the Places Where People Live: Demographic Change and Transportation in the 21st Century*. Edited by Rachel Franklin, Eveline Vanleeuwen, Antonio Paez. Elsevier.
- 2016 Silver D, Clark TN, **Graziul C**. "The Science of Scenes." *Scenescapes: How Qualities of Place Shape Social Life*. Daniel Silver and Terry Nichols Clark. University of Chicago Press.
- 2016 Silver D, Clark TN, **Graziul C**. "Scene Power: How Scenes Influence Voting, Energize New Social Movements, and Generate Political Resources." *Scenescapes: How Qualities of Place Shape Social Life*. Daniel Silver and Terry Nichols Clark. University of Chicago Press.
- 2011 Silver D, Clark TN, **Graziul C**. "Scenes, innovation, and urban development." *Handbook of creative cities*. Edited by David Emanuel Andersson, Åke E. Andersson, Charlotta Mellander. Edward Elgar Press.

Invited

- 2014 **Graziul C.** "Theorizing Social Constraint Through Venues." *ISA: Newsletter of the Research Committee on Social Theory* (Winter 2014): 12-15.
- 2008 Clark TN, **Graziul C.** "Why Rich States Aren't Republican." Book Review in *Science* 322 (5902) (October 31): 676-677.

REPORTS

- SI** 2020-2021 Social Inquiry. "Return as Social Interaction: Networks and Perceptions Among Yezidi and Christian IDPs from Ninewa Governorate." Subject matter expert on survey design and collection/analysis of social network data for three reports: Wave 1 Interim Report (7/2020), Wave 2 Interim Report (6/2021), Comparison of Wave 1, Wave 2, and Wave 3 (11/2021).

PRESENTATIONS

- 2024 Fajardo S, **Graziul C.** "The History and Continued Significance of Radio Policing for Racialized Social Control." 2024 Annual Meeting of the Social Science History Association (SSHA). Toronto, ON, October 31 to November 3.
- 2024 **Graziul C**, Lai S. "Reliability and Validity of Two-Way Radio Use as a Measure of Police Activity." 10th International Conference on Computational Social Science (IC2S2). Philadelphia, PA, July 18-20.
- 2024 **Graziul C**, Smith A, Cypher C, Hogue G, Loaiza K, Mercado L, Johnson S, Spencer MB. "The Praxis of Data Annotation and Ideational Search." 3rd International Conference on the Science of Science and Innovation (ICSSI). Washington, DC, July 1-3.
- 2024 Srivastava T, Chou J-C, Shroff P, Livescu, K, **Graziul C.** "Speech Recognition for Analysis of Police Radio Communication." Midwest Speech and Language Days (MSLD). Ann Arbor, MI, April 15-16.
- 2023 **Graziul C**, Spencer MB. "Why do racial disparities in police violence persist? Let's listen in." 118th Annual Meeting of the American Sociological Association. Philadelphia, PA, August 17-21.
- 2022 Kanabar A, Sailopal A, **Graziul C.** "Analyzing voice activity in broadcast police communications." 8th International Conference on Computational Social Science, Chicago, IL, July 19-22.
- 2022 Lai S, Chandler E, **Graziul C.** "Conversation recognition in mixed stream audio data." 8th International Conference on Computational Social Science, Chicago, IL, July 19-22.
- 2022 Gopan S, **Graziul C**, Shu S, Sailopal A. "Analyzing dominance in broadcast police communications." 8th International Conference on Computational Social Science, Chicago, IL, July 19-22.
- 2019 Chan Tack AM, **Graziul C.** "Race-Neutral Decisions, Racially Unequal Results: A Spatial Test for Retail Redlining in the Supermarket Industry in Chicago, 1970-2000. 2019 Annual Meeting of the Social Science History Association, Chicago, IL, November 22.
- 2019 **Graziul C.** "Rethinking Organizations: The Relationship Between Individuals, Venues, and the Communities They Share." 114th Annual Meeting of the American Sociological Association. New York, NY, August 11.

- 2019 **Graziul C.** "Making Sense of the Baseline Identity Survey (and Beyond)." 1st Annual STEM Undergraduate Success Conference, Morehouse College. Atlanta, GA, July 11.
- 2019 Talley CP, Salter, A, **Graziul C.** "Baseline Identity Research Project." 1st Annual HBCU IRC External Advisory Committee meeting, Morehouse College. Atlanta, GA, February 15.
- 2018 Logan J, **Graziul C**, Frey N. "Neighborhood Formation St. Louis 1930." Population Association of America 2018 Annual Meeting. Denver, CO, April 27.
- 2017 Bellman B, Martinez M, **Graziul C**, Logan J. "Spatial and social contexts of mortality resulting from interactions with police." Population Association of America 2017 Annual Meeting. Chicago, IL, April 27.
- 2017 **Graziul C.** "Religious ecology and the definition of local context." 2017 American Association of Geographers Annual Meeting. Boston, MA, April 8.
- 2017 **Graziul C.** "The effect of community context on religious life." GIS Institute, Population Studies and Training Center, Brown University. Providence, RI, January 12.
- 2016 **Graziul C.** "Compulsory social contexts shape voter affect toward stigmatized groups." 111th Annual Meeting of the American Sociological Association, Seattle, WA, August 21.
- 2015 **Graziul C.** "Opportunity constraint and religious life." 110th Annual Meeting of the American Sociological Association, Chicago, IL, August 22.
- 2015 **Graziul C.** "Venues, generalized trust, and partisan voting: How where we live affects how we vote." Political Networks conference, Portland, OR, June 17.
- 2013 **Graziul C.** "Nothing else to do: Friendship opportunities and conservative religious beliefs." 108th Annual Meeting of the American Sociological Association, New York, NY, August 10.
- 2013 **Graziul C**, Silver D, Clark TN. "Scenes and politics: Toward a human geographic understanding of personal politics." Midwest Political Science Association annual meeting, Chicago, IL, April 10.
- 2012 **Graziul C**, Clark TN. "Scenes and politics: Toward a human geographic understanding of personal politics." 107th Annual Meeting of the American Sociological Association, Denver, CO, August 17.
- 2012 **Graziul C**, Gibbons R, Alexander GC. "Association between commercial characteristics of psychotropic drugs and probability of off-label use." 2012 Society of General Internal Medicine Annual Meeting, Orlando, FL, May 9.
- 2011 Wu D, Gao P, Dong J, **Graziul C**, Clark TN. "The Influence of Regional Culture and Value on the Flow of Chinese Young Talents." 2011 International Conference on Computer and Management (CAMAN), Wuhan, China, May 19.
- 2010 **Graziul C.** "Strangers, cosmopolitanism and voting: How mere exposure may influence mass opinion." 106th Annual Meeting of the American Political Science Association, Washington, DC, September 2.
- 2008 **Graziul C**, Clark TN. "Do people move for politics? Resolving the debate." 104th Annual Meeting of the American Political Science Association, Boston, MA, August 28.

WORKING PAPERS

Blili-Hamelin B*, **Graziul C***, Hazan H, Hancox-Li L, Smart A, El Mahdi EM, Heller K, Tighanimine M, Snider T, Ringer T, Mitchell M, Dori-Hacohen S. 2024. "Expansive Artificial Intelligence: A Pluralistic and Participatory Framework for the Goals of AI Research." (pre-review, Nature)

Salter A, **Graziul C**, Newell M, Talley CP. 2021. "Characterizing academic resilience in HBCU STEM students: A psychometric analysis." doi:10.35542/osf.io/u7p29. (pre-print)

Rich L, Spencer MB, **Graziul C**. 2022. "The Teacher Identification with Students (TIS) Scale: A Novel Measure of Teacher-Student Relationship Quality."

Graziul C. 2021. "Venues: Sites of Social Possibility, Social Innovation, and Self-Liberation."

Chan Tack AM, **Graziul C**. 2019. "Explaining Racial Inequalities in Supermarket Access: A Spatial Analysis of Race and Class Effects in Chicago, 1970-2000."

*Co-first authorship

TEACHING EXPERIENCE

2023	Lead Consultant (for Chenhao Tan), <i>Machine Learning for Public Policy</i> (project lead)
2014	Graduate student instructor, <i>Perspectives in Social Sciences</i>
2014	Teaching Assistant (for James Evans), <i>Content Analysis</i>
2008/13	Teaching Assistant (for Terry Clark), <i>Urban Policy Analysis</i>
2011	Teaching Assistant (for Jennifer Merluzzi), <i>Network Structures of Effective Management</i>
2010	Teaching Assistant (for Steve Raudenbush), <i>Statistical Methods of Research -I</i>
2010	Teaching Assistant (for Linda Waite), <i>Introduction to Population</i>
2009	Teaching Assistant (for Terry Clark), <i>Political Sociology</i>

SERVICE

Academic

2015-16	Manuscript Review Board, <i>American Journal of Sociology</i>
2015	Search Committee, Master of the Arts Program in the Social Sciences, University of Chicago
2015	Student Admissions Committee, Master of Arts Program in the Social Sciences, University of Chicago
2015	Student Paper Award Committee, American Sociological Association, Sociology of Religion

Ad hoc reviewer for *American Journal of Sociology*, *Social Forces*, *Educational Evaluation and Policy Analysis*

Non-Academic

- 2018- Chair, Board of Directors, CEDR Digital Corps
- Objective: Advocate for CEDR Digital Corps and its core mission of providing reliable, time-sensitive information to disaster victims and developing innovative technical solutions to address emerging challenges in disaster response and mitigation.
 - Collaborate with board members to set strategic organizational goals
 - Develop metrics for assessing organizational performance
 - Hold operational leadership accountable for achieving organizational goals