

Riley Tucker

Mansueto Institute for Urban Innovation & Data Science Institute

Environmental Neuroscience Lab

Department of Psychology

Division of the Social Sciences

University of Chicago

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Professional Appointments

2022 – Present Mansueto Institute of Urban Innovation Post-Doctoral Fellow,
Environmental Neuroscience Lab, Department of Psychology,
University of Chicago

2022 – Present Data Science Institute Post-Doctoral Fellow, Environmental Neuroscience
Lab, Department of Psychology, University of Chicago

Education

PhD. **Northeastern University**, Boston, Massachusetts, 2022, School of Criminology and
Criminal Justice. *Who, What, When, Where: Using Online Data to Assess the
Characteristics and Criminogenic Dynamics of Guardianship Ecologies*

M.S. **Northeastern University**, Boston, Massachusetts, 2018, Criminology and Criminal
Justice, College of Social Science & Humanities

B.A. **Temple University**, Philadelphia, Pennsylvania, 2016, Sociology, College of Liberal Arts

Refereed Publications

* Co-First Authored Manuscript

Alina Ristea, **Riley Tucker***, Shunan You, et al. A Multisource Database Tracking the
Experience of COVID in Boston, Massachusetts, USA. 2022. *Scientific Data*.

Riley Tucker and Michael C. Gearhart. 2022. Social Ties and Collective Efficacy as Predictors
of Volunteering. *Community Development*. 53 (1): 109-125.

Daniel T. O'Brien, Alina Ristea, Forrest Hangen, and **Riley Tucker**. Different Places, Different
Problems: Profiles of Crime and Disorder at Residential Parcels. 2022. *Crime Science*.

Keller Sheppard and **Riley Tucker**. Police Shooting Mortality: Investigating Individual, Incident, and Contextual Factors Differentiating Fatal and Non-Fatal Police Shootings. 2022. *Journal of Ethnicity in Criminal Justice*

Daniel T. O'Brien, Alexandra Ciomek, and **Riley Tucker**. How and Why is Crime More Concentrated in Some Neighborhoods Than Others?: A New Dimension to Crime. 2022. *Journal of Quantitative Criminology*.

Daniel T. O'Brien, Alina Ristea, **Riley Tucker**, and Forrest Hangen. The Emergence and Evolution of Problematic Properties: Onset, Persistence, Aggravation, and Desistance. 2022. *Journal of Quantitative Criminology*.

Riley Tucker, Daniel T. O'Brien, Alexandra Ciomek, Edgar Castro, Qi Wang, and Nolan Edward Phillips. 2021. Who 'Tweets' Where and When, and How Does it Help Understand Crime Rates at Places? Measuring the Presence of Tourists and Commuters in Ambient Populations. *Journal of Quantitative Criminology*. 37(2): 333-359.

Daniel T. O'Brien, Alexandra Ciomek, and **Riley Tucker**. 2021. Deviations from the Law of Concentration of Crime: Exploring Why Crime is More Concentrated in Some Neighborhoods than Others. *Journal of Quantitative Criminology*. 1-27.

Michael C. Gearhart and **Riley Tucker**. 2020. Criminogenic Risk, Criminogenic Need, Collective Efficacy and Juvenile Delinquency. *Criminal Justice and Behavior*. 47(9):1116-1135

Riley Tucker, Gregory M. Zimmerman. Jacob I Stowell, and David Squier Jones. 2019. Examining the (Dis)Agreement Between Etiology and Consequences of Adults' and Youths' Perceptions of Collective Efficacy in Boston. *Journal of Research in Crime and Delinquency*. 56(6): 888-936.

Gregory M. Zimmerman, **Riley Tucker**, and Jacob I Stowell. 2019. Neighborhood Through a Familial Lens: Examining the Intergenerational Transmission of Collective Efficacy. *Journal of Developmental and Life-Course Criminology*. 5(4): 498-516.

Manuscripts Under Review

Riley Tucker and Daniel T. O'Brien. Do Commercial Place Managers Explain Crime Across Places? Yes and NO(PE). *Revise and Resubmit to Journal of Quantitative Criminology*

Riley Tucker. People or Places? Using Online Data to Assess Sources of Micro-Scale Criminal Opportunities

Riley Tucker, Daniel T. O'Brien, Forrest Hangen. Can Twitter Measure Race Across Space? Proposing an Ambient Population Measure of Social Disorganization

Manuscripts in Preparation

Riley Tucker, Nakwon Rim, Alfred Chao, Marc Berman. “Can Chicago Gangs Be Studied Using Crowd-Sourced Social Media Data?”

Riley Tucker, Chirag Mahapatra, Marc Berman. “Assessing how the Relationship Between Commercial Place Management and Crime Varies Across Cities”

Riley Tucker, Andrew Stier, Marc Berman. “Do Self-Perceptions of Life Expectancy Align with Neighborhood Realities? ”

Riley Tucker, Gaby Akcelik, Alfred Chao, Marc Berman. “Urban Cognition and Crime Across Chicago Neighborhoods”

Kimberly L. Meidenbauer, Kathryn E. Schertz, Elizabeth A. Janey, Andrew J. Stier, Anya M. Samtani, Kathryn Gehrke, **Riley Tucker, & Marc G. Berman.** “Evidence for environmental influences on impulsivity, aggression, and emotional state across multiple spatial and temporal scales”

Non-Refereed Publications & Data Releases

Qiliang Chen, **Riley Tucker**, and Daniel T. O'Brien. 2020. “Yelp Reviews in Boston, MA” <https://doi.org/10.7910/DVN/DMWCBT>

Mehrnaz Amiri, **Riley Tucker** and Daniel T. O'Brien. 2020. “Airbnb in Greater Boston, MA” <https://doi.org/10.7910/DVN/GXLZXF>

Edgar Castro, Mehrnaz Amiri, **Riley Tucker** and Daniel T. O'Brien. 2020. “Craigslist Postings in Massachusetts” <https://doi.org/10.7910/DVN/52WSPT>,

Daniel T. O'Brien, Nolan Edward Phillips, Saina Sheini, Justin de Benedictis-Kessner, Alina Ristea, and **Riley Tucker.** 2019. “Geographical Infrastructure for the City of Boston v.

2019”

Daniel T. O’Brien, Alexandra Ciomek, and **Riley Tucker**. 2019. “Massachusetts Census Indicators” <https://doi.org/10.7910/DVN/XZXAUP>

Braga, Anthony A., and **Riley Tucker**. 2018. “Problem Analysis to Support Decision Making in Evidence Based Policing.” *Evidence-Based Policing: An Introduction*. Policy Press, University of Bristol, Bristol, UK.

National Conference Presentations

Riley Tucker. 2023. *Can Chicago Gangs Be Studied Using Crowd-Sourced Social Media Data?* American Society of Criminology Annual Meeting, Philadelphia, PA. (Accepted)

Riley Tucker. 2022. *People or Places? Using Online Data to Assess Sources of Criminal Opportunity at Micro-Scale*. American Society of Criminology Annual Meeting, Atlanta, GA.

Riley Tucker. 2022. *People or Places? Using Online Data to Assess Sources of Criminal Opportunity at Micro-Scale*. American Society of Criminology Annual Meeting, Atlanta, GA.

Riley Tucker. 2021. *Who, What, Where When: Using Twitter to Assess Demographics of Ambient Populations*. 2021. American Society of Criminology Annual Meeting, Chicago, IL.

Riley Tucker, Dan O’Brien, Alexandra Ciomek, and Nolan Edward Phillips. 2019. *Who Tweets Where and When? How Does it Help us Understand Crime Rates at Places?* American Society of Criminology Annual Meeting, San Francisco, CA.

Jack McDevitt and **Riley Tucker**. 2018. *Measurement of Crimes Against Vulnerable Victims*. American Society of Criminology Annual Meeting, Atlanta, GA.

Riley Tucker. 2018. *Assessing the Relationship Between Collective Efficacy, Neighborhood Activism, and Organizational Participation in Chicago Neighborhoods*. American Society of Criminology Annual Meeting, Atlanta, GA.

Riley Tucker. 2017. *The Impact of Collective Efficacy and Satisfaction with Police on Willingness to Report & Crime*. American Society of Criminology Annual Meeting, Philadelphia, PA.

Riley Tucker. 2016. *Policing and Collective Efficacy: Baltimore, Maryland, 1986*. American Society of Criminology Annual Meeting, New Orleans, LA.

Service and Professional Development

Program Committee for *International Conference on Computational Social Science*
2022-2023

DSI Clinic Mentor

(Fall 2022, Winter 2023)

Ad Hoc Reviewer for *Journal of Research in Crime and Delinquency*, *Homicide Studies*, *Asian Journal of Criminology*

Courses Taught and Developed

Criminology (CRIM 2200) – Spring and Fall 2020

Bostonography (INSH 3700) – Spring 2021

Analyzing and Using Data on Crime and Justice (CRIM 3700) – Fall 2021

Communities and Crime (CRIM 4660) – Spring 2022