

**Dan O'Brien, Ph.D.**

Assistant Professor, Northeastern University  
 Co-Director, Boston Area Research Initiative  
[d.obrien@neu.edu](mailto:d.obrien@neu.edu)

**EDUCATION**

**Binghamton University**, Binghamton, NY, Ph.D., May 2010; Biology: Evolution, Ecology and Behavior

**Oberlin College**, Oberlin, Ohio, BA, May 2004; Majors: Mathematics, Biology

**EMPLOYMENT**

Fall 2014-present                      Assistant Professor  
 School of Public Policy and Urban Affairs  
 School of Criminology and Criminal Justice  
 Northeastern University

Fall 2016-present                      Co-Director  
 Boston Area Research Initiative  
 Northeastern & Harvard Universities

January 2011-Summer 2016              Research Director  
 Boston Area Research Initiative  
 Radcliffe Institute of Advanced Study  
 Harvard University

Fall 2010-present                      Adjunct Lecturer  
 Dept. of Psychology  
 University of Massachusetts Boston

Summer 2010-Spring 2013              Visiting Assistant Professor  
 Dept. of Biology  
 Binghamton University

**HONORS AND AWARDS**

**Graduate Student Commencement Speaker** Binghamton University (2010) Footage available at: <http://www.youtube.com/watch?v=Jvgrwo9H2VE>

**Award for Excellence in Teaching**, Binghamton University (2009)

**GRANTS**External*Funded*

1. Boston Public Schools. Support for a proposal titled, "Collaboration between Boston Public Schools and Boston Area Research Initiative on the Validity and Utility of the Opportunity Index." \$34,122.66. 2017. PI, with Nancy Hill.

Assistant Professor, Northeastern University  
Co-Director, Boston Area Research Initiative  
[d.obrien@neu.edu](mailto:d.obrien@neu.edu)

2. Herman & Frieda L. Miller Foundation. Support for a proposal titled, "From Availability to Engagement: Transmitting the Value of 'Big' Data to the Masses." \$49,748. 2017. PI.
3. Microsoft. Support for a proposal titled, "A Geographical Infrastructure for the Analytic Study of the Commonwealth of Massachusetts." \$8,078. 2016. PI, with Armin Akhavan (graduate student).
4. Microsoft. Support for a proposal titled, "The Boston Model for Urban Data Science and Policy: A Conference Hosted by the Boston Area Research Initiative." \$15,000. 2016. PI.
5. National Science Foundation program on "Resource Implementations on Data-Intensive Research." Support for a proposal titled "Portal to Data and Analysis Tools (P→DAT): Enabling Data-Intensive Research in the Urban Sciences on Linked, Large-Scale Records." \$685,000 (collaborative grant, Northeastern University portion, \$154,548). 2017-2018. PI, with Robert J. Sampson, Christopher Winship, Mario Luis Small, David Lazer, Marta Gonzalez.
6. John D. and Catherine T. MacArthur Foundation. Support for a proposal titled, "Boston Area Research Initiative: Extending the New Urban Science." \$200,000. 2016-2017. PI, with Robert J. Sampson
7. Herman & Frieda L. Miller Foundation. Support for a proposal titled, "Helping Boston Neighborhoods to "See" Themselves in Big Data." \$49,866. 2016. PI, with Robert J. Sampson.
8. John D. and Catherine T. MacArthur Foundation. Support for a proposal titled, "The Boston Area Research Initiative: Expanding the Urban Sciences and Governance Link." \$299,969. 2014-2016. Co-PI, with Robert J. Sampson and Christopher Winship.
9. National Science Foundation program on "Building Community and Capacity for Data-Intensive Research in the Social, Behavioral, and Economic Sciences and in Education and Human Resources." Support for a proposal titled, "Catalyzing a Cross-Disciplinary, Cross-University Urban Research Agenda in the Age of Digital Data." \$490,000. 2013-2015. Co-PI, with Robert J. Sampson, Christopher Winship, David Lazer, Nancy Hill, and Judith Grant Long.
10. 2008-2009 Department of Environmental Conservation "Environmental Justice Grant" (applied with Scott Barvainis under the auspices of the non-profit organization VINES). For the creation of two community gardens in disadvantaged neighborhoods. \$39,000.

### Internal

### *Funded*

1. Northeastern University Tier 1 Program. Support for a proposal titled, "A Temperature Sensor Network to Study Public Health and Community Resilience Impacts of Heat Waves at Micro-Spatial Levels in the Town of Brookline." \$50,000. 2017-2018. Co-PI, with Aatmesh Shrivastava, Jennie Stephens, Auroop Ganguly, Brain Helmuth, and Mark Patterson.
2. College of Social Sciences and Humanities. Support for the Boston Area Research Initiative. ~\$175,000. 2016-2018. PI.

Assistant Professor, Northeastern University  
Co-Director, Boston Area Research Initiative  
[d.obrien@neu.edu](mailto:d.obrien@neu.edu)

3. College of Social Sciences and Humanities Doctoral Enhancement. Support for a proposal titled, "Measuring Social Dynamics through Community Center Attendance Records in Boston." \$5,000. 2014. PI
4. Harvard Initiative for Learning and Teaching. Support for a course titled "Exploring Community Differences Using Spatial Data." \$12,000. 2012. Co-PI with Christopher Winship.
5. Harvard Medical School's Catalyst Program "Algorithm Development through Crowdsourcing." Provided access to a computer science community to explore the problem "Identifying Factors that Predict Future Neighborhood Health Concerns." Services rendered, award posted for best analytical program produced. 2011.
6. Department of Biological Sciences Travel Award. To present "'Evolution for Everyone': A course that brings Darwin's theory to the masses at the Human Behavior & Evolution Society Conference." \$500. 2009.

## **PUBLICATIONS (Student authors in bold)**

### Books

1. *The Urban Commons*. Under review and contract with Harvard University Press. Anticipated publication date 2018.

### Peer-Reviewed Journal Articles and Chapters

#### *In Press*

1. O'Brien, D.T. & Winship, C. The gains of greater granularity? The presence and persistence of problem properties in urban neighborhoods. In press at *Journal of Quantitative Criminology*. Available through Online First, doi: 10.1007/s10940-016-9330-9.

#### *2017*

2. O'Brien, D.T., Offenhuber, D., Baldwin-Philippi, J., **Sands, M.**, & Gordon, E. 2017. Uncharted territoriality in coproduction: The motivations for 311 reporting. *Journal of Public Administration Research & Theory*, **27**, 320-335.

#### *2016*

3. O'Brien, D.T. 2016. Lamp lighters and sidewalk smoothers: How individual residents contribute to the maintenance of the urban commons. *American Journal of Community Psychology*, **58**, 391-409.
4. O'Brien, D.T. 2016. Using Small Data to Interpret Big Data: 311 Reports as Individual Contributions to Informal Social Control in Urban Neighborhoods. *Social Science Research*, **59**: 83-96.
5. O'Brien, D.T. 2016. 311 hotlines, territoriality, and the collaborative maintenance of the urban commons: Examining the intersection of a coproduction policy and evolved human behavior. *Evolutionary Behavioral Sciences*, **10**: 123-141.

Assistant Professor, Northeastern University  
Co-Director, Boston Area Research Initiative  
[d.obrien@neu.edu](mailto:d.obrien@neu.edu)

2015

6. O'Brien, D.T., Sampson, R.J. 2015. Public and Private Spheres of Neighborhood Disorder: Assessing Pathways to Violence Using Large-Scale Digital Records. *Journal of Research in Crime and Delinquency*, **52**: 486-510.
7. O'Brien, D.T., Sampson, R.J., Winship, C. 2015. Econometrics in the age of big data: Measuring and assessing "broken windows" using administrative records. *Sociological Methodology*, **45**: 101-147.
8. O'Brien, D.T., **Montgomery, B.** 2015. The other side of the broken window: A methodology that translates building permits into an econometric of investment by community members. *American Journal of Community Psychology*, **55**: 25-36.
9. O'Brien, D.T. 2015. Custodians and custodianship in urban neighborhoods: A methodology using reports of public issues received by a city's 311 hotline. *Environment & Behavior*, **47**: 304-327.

2014

10. O'Brien, D.T., Gordon, E., Philippi-Baldwin, J. 2014. Caring about the community, counteracting disorder: 311 reports of public issues as expressions of territoriality. *Journal of Environmental Psychology*, **40**: 320-330.
11. O'Brien, D.T., **Norton, C., Cohen, J.,** Wilson, D.S. 2014. Cultural variation in community perception: Local adaptation and the interpretation of disorder. *Environment and Behavior*, **46**: 213-240.
12. O'Brien, D.T. 2014. An evolutionary model of the environmental conditions that shape the development of prosociality. *Evolutionary Psychology*, **12**: 1-16.

2013

13. O'Brien, D.T., Kauffman, R. 2013. Broken windows and low adolescent prosociality: Not cause and consequence, but co-symptoms of low collective efficacy. *American Journal of Community Psychology*, **51**: 359-369.
14. O'Brien, D.T., Gallup, A.C., Eldakar, O.T. 2013. Who can afford to punish? Individuals with greater resource access are more likely to punish non-cooperators. *Journal of Social, Evolutionary, and Cultural Psychology*, **7**: 3-11.

2012

15. O'Brien, D.T. 2012. Getting to know your neighbors: Introducing evolutionary psychology to urban research-policy collaborations. *Journal of Social, Evolutionary and Cultural Psychology*, **6**: 329-343.
16. O'Brien, D.T. 2012. Managing the urban commons: The relative influence of individual and social incentives on the treatment of public space. *Human Nature*, **23**: 467-489.
17. O'Brien, D.T., Gallup, A.C., Wilson, D.S. 2012. Residential mobility and prosocial development within a single city. *American Journal of Community Psychology*, **50**: 26-36.

2011

Assistant Professor, Northeastern University  
Co-Director, Boston Area Research Initiative

[d.obrien@neu.edu](mailto:d.obrien@neu.edu)

18. O'Brien, D.T., Wilson, D.S. 2011. Community Perception: The ability to assess the safety of unfamiliar neighborhoods and respond adaptively. *Journal of Personality and Social Psychology*, **100**: 606-620.
19. O'Brien, D.T., Gallup, A.C. 2011. Using Tinbergen's 4 questions (plus 1) in evolution education for human-oriented disciplines. *Evolution, Education and Outreach*, **4**:107-113.
20. O'Brien, D.T. 2011. A module for teaching multilevel selection. *The Journal of the Evolutionary Studies Consortium*, **3**: 12-23.
21. Gallup, A.C., O'Brien, D.T., Wilson, D.S. 2011. Intrasexual peer aggression and dating behavior during adolescence: an evolutionary perspective. *Aggressive Behavior*, **37**: 258-267.

2010

22. O'Brien, D.T. 2010. Sociality in the city: Using biological principles to explore the relationship between high population density and social behavior. In *Advances in Sociology Research: Vol. 8*. Ed. Jared Jaworski. Hauppauge, NY: Nova Publishers: 203-216.
23. O'Brien, D.T., Wilson, D.S. 2010. Using 'Evolution for Everyone' as a guide for new general education courses in evolution. *The Journal of the Evolutionary Studies Consortium*, **2**: 1-11.
24. Gallup, A.C., O'Brien, D.T., Wilson, D.S. 2010. Involvement in peer aggression during high school reduces cooperative behavior during college: An explorative study. *Journal of Social, Evolutionary and Cultural Psychology*, **4**: 277-289.
25. O'Brien, D.T., Geher, G., Gallup, A.C., Garcia, J.R., Kaufman, S.B. 2010. Mating intelligence survey predicts sexual behavior: Empirical validation of a theoretical construct. *Imagination, Cognition and Personality*, **29**: 341-362.
26. Gallup, A.C., O'Brien, D.T., White, D.D., Wilson, D.S. 2010. Handgrip strength and socially dominant behavior in male adolescents. *Evolutionary Psychology*, **8**: 229-243.

2009

27. Wilson, D.S., O'Brien, D.T., Sesma, A. 2009. Human prosociality from an evolutionary perspective: Variation and correlations at a city-wide scale. *Evolution & Human Behavior*, **30**: 190-200.
28. Wilson, D.S., O'Brien, D.T. 2009. Evolutionary theory and cooperation in everyday life. In *Games, Groups and the Global Good*. Ed. Simon Levin. New York; Springer: 155-168.
29. O'Brien, D.T., Wilson, D.S., Hawley, P.H. 2009. "Evolution for Everyone": A course that expands Darwin's theory beyond the biological sciences. *Evolution Education and Outreach*, **2**: 445-457.

2008

30. Gallup, A.C., O'Brien, D.T., White, D.D., Wilson, D.S. 2008. Peer victimization in adolescents has different effects on the sexual behavior of males and females. *Personality & Individual Differences*, **46**: 611-615.

Non-Peer-Reviewed Commentaries and Editorials

2017

1. Olderbak, S., Randall, A.K., & O'Brien, D. 2017. Committed romantic relationships: Integrating evolutionary and relationship science. *Evolutionary Behavioral Sciences*, **11**: 103-105.

2015

2. O'Brien, D. & Sampson, R.J. 2015. How to navigate the data deluge: Ecometrics and the case for the urban social sciences. *The Cities Papers*. The Social Science Research Council: <http://citiespapers.ssrc.org/how-to-navigate-the-data-deluge-ecometrics-and-the-case-for-the-urban-social-sciences/>.
3. O'Brien, D.T. 2015. Disorder perception is the adaptive interpretation of social cues, not just a sensitivity to randomness: Response to Kotabe (2014). *Frontiers in Psychology- Personality and Social Psychology*, doi: 10.3389/fpsyg.2015.00124.

2014

4. Tybur, J.M. & O'Brien, D.T. 2014. The behavioral immune system: Taking stock and charting new directions. Introduction to the Special Issue on the Behavioral Immune System. *Evolutionary Behavioral Sciences*, **8**: 223-225
5. O'Brien, D.T. 2014. Editorial. Introduction to the first volume of *Evolutionary Behavioral Sciences*. *Evolutionary Behavioral Sciences*, **8**: 1-2.

2013

6. O'Brien, D.T. 2013. Introducing *Evolutionary Behavioral Sciences*. *Journal of Social, Evolutionary, and Cultural Psychology*, **7**: 196.

Published Datasets (Organized by Dataverse nested within the Boston Area Research Initiative's Boston Data Portal, supported by the Institute for Quantitative Social Science's Dataverse Network)

1. Geographical Infrastructure for the City of Boston v. 2017 Dataverse (3 total downloads)
  - a. O'Brien, Dan; **Gomory, Henry**, 2017, "Properties 2017", doi:10.7910/DVN/UI36DI.
  - b. O'Brien, Dan; **Gomory, Henry**, 2017, "ID Connector 2017", doi:10.7910/DVN/OLM5NA.
  - c. O'Brien, Dan; **Gomory, Henry**, 2017, "Land Parcels 2017", doi:10.7910/DVN/ALODSZ.
  - d. O'Brien, Dan; **Gomory, Henry**, 2017, "Geographical Infrastructure 2017 Documentation ", doi:10.7910/DVN/4LIERW.
2. Massachusetts Census Indicators Dataverse (306 total downloads)
  - a. O'Brien, Dan; **Ciomek, Alexandra**, 2016, "2010 Decennial Census Indicators", doi:10.7910/DVN/MVYMHV.

Assistant Professor, Northeastern University  
Co-Director, Boston Area Research Initiative  
[d.obrien@neu.edu](mailto:d.obrien@neu.edu)

- b. O'Brien, Dan; **Ciomek, Alexandra**, 2016, "Census Indicators Documentation", doi:10.7910/DVN/9JOWLS.
- c. O'Brien, Dan; **Ciomek, Alexandra**, 2016, "American Community Survey Census Indicators for Massachusetts Block Groups", doi:10.7910/DVN/0SQXLH.
- d. O'Brien, Dan; **Ciomek, Alexandra**, 2016, "American Community Survey Census Indicators for Massachusetts Tracts", doi:10.7910/DVN/XTEEKI.
- e. O'Brien, Dan, 2016, "Boston Research Map, ACS 08-12 Indicators", doi:10.7910/DVN/ANWX9H.
3. Geographical Infrastructure for the City of Boston v. 2010 Dataverse (146 total downloads)
  - a. O'Brien, Dan, 2012, "Geographical Infrastructure for the City of Boston", hdl:1902.1/18851.
4. Geographical Infrastructure for the City of Boston v. 2015 Dataverse (351 total downloads)
  - a. O'Brien, Dan; **Gomory, Henry**, 2016, "Parcels 2015", doi:10.7910/DVN/LIPBJB.
  - b. O'Brien, Dan; **Gomory, Henry**, 2016, "Addresses 2015", doi:10.7910/DVN/1BMZDB.
  - c. O'Brien, Dan, 2016, "Intersections (City) 2015", doi:10.7910/DVN/LJRGVH.
  - d. O'Brien, Dan, 2016, "Intersections (Census) 2015", doi:10.7910/DVN/CTEJH7.
  - e. O'Brien, Dan, 2016, "Roads 2015", doi:10.7910/DVN/OV5PXF.
  - f. O'Brien, Dan, 2016, "Census Blocks 2015", doi:10.7910/DVN/FI1YED.
  - g. O'Brien, Dan, 2016, "Census Block Groups 2015", doi:10.7910/DVN/5AF9LK.
  - h. O'Brien, Dan, 2016, "Census Tracts 2015", doi:10.7910/DVN/QDRUAZ.
  - i. O'Brien, Dan, 2016, "Regional Geographies 2015", doi:10.7910/DVN/PJ3JK2.
  - j. O'Brien, Dan, 2016, "Documentation for the 2015 Geographical Infrastructure", doi:10.7910/DVN/C5IULB.
5. City of Boston Administrative Data Dataverse (310 total downloads)
  - a. O'Brien, Dan, 2016, "311 Requests", doi:10.7910/DVN/CVKM87.
  - b. O'Brien, Dan, 2012, "Requests for City Services in Boston, MA (3/2010-6/2012)", hdl:1902.1/18907.
  - c. O'Brien, Daniel, 2012, "Neighborhood Blight and Building", hdl:1902.1/18864.
6. Bicycle Collisions in Boston, MA (2009-2012) Dataverse (325 total downloads)
  - a. **Lopez, Dahianna**; Cheevers, Maria; Stidman, Pete; O'Brien, Daniel, 2014, "Bicycle Collisions in Boston, MA (2009-2012)", doi:10.7910/DVN/24713.
7. Commonwealth Connect Dataverse (105 total downloads)
  - a. O'Brien, Dan; **Blackburn, Matthew**, 2016, "Commonwealth Connect Documentation", doi:10.7910/DVN/UJP2DF.
  - b. O'Brien, Dan; **Blackburn, Matthew**, 2016, "Commonwealth Connect Data 2010", doi:10.7910/DVN/SCBWXX.
  - c. O'Brien, Dan; **Blackburn, Matthew**, 2016, "Commonwealth Connect Data 2011", doi:10.7910/DVN/GBVJEO.
  - d. O'Brien, Dan; **Blackburn, Matthew**, 2016, "Commonwealth Connect Data 2012", doi:10.7910/DVN/XBWDZU.

Assistant Professor, Northeastern University  
Co-Director, Boston Area Research Initiative  
[d.obrien@neu.edu](mailto:d.obrien@neu.edu)

- e. O'Brien, Dan; **Blackburn, Matthew**, 2016, "Commonwealth Connect Data 2013", doi:10.7910/DVN/ALKYUG.
- f. O'Brien, Dan; **Blackburn, Matthew**, 2016, "Commonwealth Connect Data 2014", doi:10.7910/DVN/JSSKKC.
- g. O'Brien, Dan; **Blackburn, Matthew**, 2016, "Commonwealth Connect Data 2015", doi:10.7910/DVN/XQEDAE.
- h. O'Brien, Dan; **Blackburn, Matthew**, 2016, "Commonwealth Connect Data 2009-2015", doi:10.7910/DVN/ITP7FE.
- i. O'Brien, Dan; **Blackburn, Matthew**, 2016, "Commonwealth Connect Request Types", doi:10.7910/DVN/5GHOSQ.

### Invited Lectures

#### 2017

1. Custodianship in the urban commons. Social Sciences Librarians Boot Camp, Tufts University, Medford, MA, June 2017.
2. Civic technology and smart city design. Facades+, a conference hosted by *The Architect's Newspaper* at Massachusetts Institute of Technology, Cambridge, MA, June 2017.
3. Equity in civic technology. As part of a panel on "The Ethics of Smart Cities" at Making 'Smart Cities' Smarter, a summit hosted by the Boston Area Research Initiative, Northeastern University, Boston, MA, May 2017.
4. Smart Cities or cities being smart? As part of keynote panel on "Data & Society: Boston in the National Context" at Data-Driven Research, Policy, & Practice: Lessons from Boston, for Boston, a conference hosted by the Boston Area Research Initiative, Northeastern University, Boston, MA, March 2017.

#### 2016

5. Using "big" data to observe the process of gentrification in the modern city. As part of a panel on "Defining and Measuring Gentrification," hosted by the Joint Center for Housing Studies, Harvard University, Cambridge, MA, November 2016.
6. Two lectures at the Global Sustainability Summer School. Santa Fe Institute, Santa Fe, NM, July 2016.
7. Coproduction and human motivations. The Myra Kraft Open Classroom, Northeastern University, Boston, MA, April 2016.

#### 2015

8. Econometrics in the age of big data. At "Tackling the Urban Core Puzzle," Northeastern University Law School, Boston, MA, October 2015.
9. Division of labor in the maintenance of the urban commons. Institute for Applied Computational Science seminar, Harvard University, Cambridge, MA, October 2015.
10. Econometrics in the age of big data: Novel uses of data to characterize city neighborhoods. At "Reimagining Health in Cities: New Directions in Urban Health Research and Action", Drexel University, Philadelphia, PA, September 2015.



Assistant Professor, Northeastern University  
Co-Director, Boston Area Research Initiative

[d.obrien@neu.edu](mailto:d.obrien@neu.edu)

11. "Seeing" neighborhood conditions through administrative data: A research-policy partnership in Boston, MA. At "Data to Insights", MIT CSAIL, Cambridge, MA, May 2015.
12. 311 hotlines and the maintenance of the urban commons: Examining the intersection of policy and the evolved human animal. Evolutionary Studies Seminar Series, State University of New York New Paltz, New Paltz, NY, March 2015.

*2014*

13. Tracking neighborhood characteristics with administrative data: A research-policy partnership in Boston, MA. At "Understanding and Improving Cities: Policy/Research Partnerships in the Digital Age", Boston, MA, December 2014.
14. Tracking neighborhood characteristics with administrative data: A research-policy partnership in Boston, MA. At "Acting Locally, Understanding Globally", Santa Fe, NM, November 2014.
15. 311 hotlines and the maintenance of the urban commons: Examining the intersection of policy and the evolved human animal. David A. Walsh '67 Arts and Seminar Series, Clarkson University, Potsdam, NY, October 2014.
16. Studying urban inequality and neighborhood variation in the age of big data. Malcolm Wiener Inequality & Social Policy Seminar Series, Harvard University, Cambridge, MA, April 2014.
17. Collective efficacy in the neighborhoods of Boston, MA. Evolutionary Studies Seminar Series, Binghamton University, Binghamton, NY, February 2014.
18. The ecometrics of broken windows in the digital age. At the annual meeting of the American Association for the Advancement of Science in Chicago, IL, February 2014.

*2013*

19. The ecometrics of broken windows in the digital age. At "Reimagining Broken Windows: From Theory to Policy," a workshop at the Netherlands Institute for the Study of Crime and Law Enforcement, October 2013.
20. The Boston Area Research Initiative. At GK12 Workshop, a summer program at Boston University, August 2013.
21. Leveraging territoriality to maintain Boston's neighborhoods. Keynote, Applied Evolutionary Psychology Society. At annual conference of the NorthEastern Evolutionary Psychology Society, Lebanon Valley College, June 2013

*2010*

22. Evolution & Disorder: Indicators of Neighborhood Health and Our Ability to Interpret Them. Health Seminar Series, Lebanon Valley College, October 2010.
23. Binghamton University's Evolutionary Studies Program: Using cutting-edge evolutionary research to improve education. SAR Planning Meeting, Science Teachers Association of New York, Inc., Union-Endicott High School, Endicott, NY, April 2010.

Oral Conference Presentations

2016

1. O'Brien, D.T. & Sampson, R.J. Using 311 reports to assay capacity for informal social control at the individual and neighborhood levels. Annual conference of the American Society for Criminology, New Orleans, November 2016.
2. O'Brien, D.T. The Boston Area Research Initiative's Boston Data Portal: A Dataverse-based resource. Dataverse Community Meeting 2016, Harvard Medical School, Boston, July 2016.
3. O'Brien, D.T. Uncharted territoriality in coproduction: How 311 systems leverage evolved motivations to help maintain the urban commons. Annual conference of the NorthEastern Evolutionary Psychology Society, St. Mary's University, June 2016.
4. O'Brien, D.T. Ecometrics: Translating administrative data into trackable measures of neighborhood conditions. Meeting of the MetroLab Network, San Diego, May 2016.
5. O'Brien, D.T. Problem properties and the persistence of crime and disorder in Boston neighborhoods. Urban Data Science Convening, Urban Center for Computation and Data, University of Chicago, May 2016.

2015

6. O'Brien, D.T. Institutions or evolved behavior? Evidence that 311 hotlines are leveraging human territoriality in the maintenance of the urban commons. Annual conference of the Human Behavior and Evolution Society, University of Missouri, May 2015.
7. O'Brien, D.T. Division of labor in the maintenance of the urban commons: Shifts in territorial behavior across a varied landscape. Annual conference of the NorthEastern Evolutionary Psychology Society, Suffolk University, April 2015.
8. O'Brien, D.T. The evolutionary behavioral sciences and history. Annual conference of the American Historical Association, New York, NY, January 2015.

2014

9. O'Brien, D.T. Testing multilevel selection hypotheses in urban neighborhoods: Collective efficacy as model case. Annual conference of the NorthEastern Evolutionary Psychology Society, SUNY New Paltz, April 2014. (Part of a symposium on *Using Cities to Study Evolved Human Behavior*.)

2013

10. O'Brien, D.T. The evolution of collective efficacy: Examining a complex group-level trait through urban communities. Annual conference of the NorthEastern Evolutionary Psychology Society, Lebanon Valley College, June 2013.

2012

11. O'Brien, D.T., Seibold-Simpson, S., Kelley, S. Defining neighborhoods using resident-drawn maps and social network analysis. Conference of the American Psychological Association. Orlando, FL, 2012.

Assistant Professor, Northeastern University  
Co-Director, Boston Area Research Initiative

[d.obrien@neu.edu](mailto:d.obrien@neu.edu)

12. O'Brien, D.T. Community perception: An adaptation for interpreting community quality. North Eastern Evolutionary Psychology Society Conference. Plymouth State University, NH, 2012.

*2011*

13. O'Brien, D.T., Heard, K., Frazier, J.W. Governing the urban commons: Maintenance of city neighborhoods as a public good. North Eastern Evolutionary Psychology Society Conference. Binghamton University, Binghamton, NY, 2011.

*2010*

14. O'Brien, D.T. & Wilson, D.S. Bringing undergraduate education up to speed: Two courses that highlight the application of evolutionary theory to the behavioral sciences. International Society for Human Ethology, University of Wisconsin, Madison, WI, 2010.
15. O'Brien, D.T., Gallup, A.C., Wilson, D.S. The role of social resources in adolescent prosocial development: A longitudinal study at a city-wide scale. International Society for Human Ethology, University of Wisconsin, Madison, WI, 2010.
16. O'Brien, D.T., Gallup, A.C., Wilson, D.S. The role of social resources in adolescent prosocial development: A longitudinal study at a city-wide scale. Society for Prevention Research Conference, Denver, CO, 2010.
17. O'Brien, D.T., Gallup, A.C., Wilson, D.S. A multilevel, longitudinal analysis of the relationship between social resources and adolescent prosocial development at a city-wide scale. North Eastern Evolutionary Psychology Society Conference. State University of New York at New Paltz, New Paltz, NY, 2010.
18. Gallup, A.C., O'Brien, D.T., Wilson, D.S. Reciprocation in a sequential Prisoner's Dilemma: the effect of peer aggression during adolescence. North Eastern Evolutionary Psychology Society Conference. State University of New York at New Paltz, New Paltz, NY, 2010.
19. O'Brien, D.T., Gallup, A.C., Wilson, D.S. Prosociality Along the Urban-Rural Continuum: The Relationship Between Population Density and Adaptive Social Behavior. Biological Sciences Research Symposium. Binghamton University, Binghamton, NY, 2010.
20. O'Brien, D.T., Gallup, A.C., Wilson, D.S. Prosociality Along the Urban-Rural Continuum: The Relationship Between Population Density and Adaptive Social Behavior. Ecology and Evolutionary Biology Graduate Students Symposium. Cornell University, Ithaca, NY, 2010.

*2009*

21. O'Brien, D.T., Wilson, D.S. 'Evolution for Everyone': A Course That Brings Darwin's Theory to the Masses. North Eastern Evolutionary Psychology Society Conference. State University of New York at Oswego, Oswego, NY, 2009.
22. O'Brien, D.T., Wilson, D.S. 'Evolution for Everyone': A Course That Brings Darwin's Theory to the Masses. Human Behavior & Evolution Society Conference. Cal State Fullerton, Fullerton, CA, 2009.

Assistant Professor, Northeastern University  
Co-Director, Boston Area Research Initiative

[d.obrien@neu.edu](mailto:d.obrien@neu.edu)

23. O'Brien, D.T., Wilson, D.S. 'Evolution for Everyone': A Course That Brings Darwin's Theory to the Masses. Biological Sciences Research Symposium. Binghamton University, Binghamton, NY, 2009.
24. O'Brien, D.T., Wilson, D.S. 'Evolution for Everyone': A Course That Brings Darwin's Theory to the Masses. Ecology and Evolutionary Biology Graduate Students Symposium. Cornell University, Ithaca, NY, 2009.

*2008*

25. O'Brien, D.T. Grading Our Neighborhoods: How and Why Binghamton Neighborhoods Vary in the Academic Performance, Individual and Social Wellbeing of our Children. Binghamton Neighborhood Symposium, Binghamton, NY, 2008.
26. O'Brien, D.T. Science and the City: Using Scientific Methods to Understand (and Improve!) Urban Living. Lost Dog Café, Binghamton, NY, 2008.
27. O'Brien, D.T., Wilson, D.S. Non-Random Acts of Kindness: The Behavioral Ecology of Altruism. North Eastern Evolutionary Psychology Society Conference. Southern New Hampshire University, Manchester, NH, 2008.
28. O'Brien, D.T., Wilson, D.S. Non-Random Acts of Kindness: The Behavioral Ecology of Altruism. Biological Sciences Research Symposium. Binghamton University, Binghamton, NY, 2008.
29. O'Brien, D.T., Wilson, D.S. Non-Random Acts of Kindness: The Behavioral Ecology of Small-Scale Altruism. Ecology and Evolutionary Biology Graduate Students Symposium. Cornell University, Ithaca, NY, 2008.

*2007*

30. O'Brien, D.T., Eldakar, O.T., Wilson, D.S. Using Experimental Economics to Explore the Evolutionary-Ecological Paradigm in Human Microsocieties. Human Behavior and Evolution Society Conference. William and Mary College, Williamsburg, VA, 2007.
31. O'Brien, D.T., Wilson, D.S. The Evolutionary-Ecological Paradigm of Human Behavior: Binghamton as Case Study. Graduate Student Research Day. Binghamton University, Binghamton, NY, 2007.

Posters Presented

*2015*

1. O'Brien, D.T. What is gained by greater granularity? Examining the persistence of problem properties in urban neighborhoods. Annual conference of the American Society of Criminology, Washington, D.C., November 2015.

*2013*

2. O'Brien, D.T. The evolution of collective efficacy: Examining a complex group-level trait through urban communities. Annual conference of the Human Behavior and Evolution Society, University of Miami, July 2013.

*2011*

3. O'Brien, D.T. How individual Bostonians request services: Implications for public policy and theory on neighborhood behavior. Reimagining the University-City Connection, Harvard Boston Research Initiative, Radcliffe Institute, Cambridge, MA, 2011.
4. **Klausner, M., Lowenwirt, A.H.**, O'Brien, D.T. What's cooking, good looking: Cooking and sexual selection. North Eastern Evolutionary Psychology Society Conference. Binghamton University, Binghamton, NY, 2011.

*2010*

5. **Cohen, J., Norton, C.**, O'Brien, D.T. Cross-cultural differences in the use of physical structures when determining the safety of an unfamiliar neighborhood. North Eastern Evolutionary Psychology Society Conference. State University of New York at New Paltz, New Paltz, NY, 2010.

*2009*

6. Gallup, A.C., O'Brien, D.T., Wilson, D.S. Peer aggression and victimization during adolescence has different effects on the dating behavior of males and females. Human Behavior & Evolution Society Conference. Cal State Fullerton, Fullerton, CA, 2009.

*2008*

7. O'Brien, D.T., Eldakar, O.T., Gallup, A.C., Wilson, D.S. Carving out a niche: Selfish punishment as a self-limiting strategy in humans. Northeast Evolutionary Psychology Society. Southern New Hampshire University, Manchester, NH, 2008.
8. Gallup, A.C., White, D.D., O'Brien, D.T., Wilson, D.S. Social dominance as a peer fitness deterrent: Inverse outcomes in reproductive opportunities between sexes. Northeast Evolutionary Psychology Society. Southern New Hampshire University, Manchester, NH, 2008.

Community Presentations

*2017*

1. The Boston Area Research Initiative and the Boston Data Portal. For the Institute on Race and Justice Advisory Board, Northeastern University, Boston, MA. February 2017.
2. The Boston Area Research Initiative. For the Los Angeles Housing Library, at Los Angeles Public Library, Los Angeles, CA. February 2017.

*2016*

3. Urban Research and Policy, Driven by Data. "The Data of Justice" Hack-a-thon, part of HUBWeek 2016, at Northeastern University, Boston, MA. September 2016.
4. The Boston Data Portal, hosted by the Herman and Frieda Miller Foundation, Boston, MA. July 2016.
5. The Boston Data Portal, hosted by the Roxbury Innovation Center, Boston, MA. May 2016.

**Dan O'Brien, Ph.D.**

Assistant Professor, Northeastern University  
 Co-Director, Boston Area Research Initiative  
[d.obrien@neu.edu](mailto:d.obrien@neu.edu)

6. Leveraging Administrative Data: The Case of “Seeing” Neighborhood Conditions through 311 Reports. Boston Data Coordinator Summit, hosted by Boston’s Department of Innovation and Technology and The Knight Foundation, Boston, MA. March 2016.

*2015*

7. Learning from Commonwealth Connect Requests. Metropolitan Area Planning Council, Boston, MA. October 2015.
8. Panel on “Data, Innovation, and Civic Technology.” Data Day 2015, hosted by the Metropolitan Area Planning Council, Northeastern University, and the Boston Indicators Project, Boston, MA. June 2015.

*2014*

9. The Boston Area Research Initiative: A collaborative approach to policy, practice, and research. (with David Luberoff). Tech Networks of Boston, Boston, MA. March 2014.

*2013*

10. Panelist, “The ‘hogmash of undefined lines’: Will we ever define Boston’s neighborhood boundaries.” Hosted by The Boston Foundation, Boston, MA. June 2013.
11. “Seeing” the city through citizens’ calls. At “Learning from Citizens’ Calls,” an event hosted by the Boston Area Research Initiative, the Mayor’s Office of New Urban Mechanics, and Emerson College, June 2013.

*2012*

12. BostonMap and the MyNeighborhood Census Viewer as tools for teaching about Boston. “Teaching Boston,” City Hall, Boston, MA. November 2012.
13. A Year in Boston’s Call Center. Reception of Mayor’s speech at the Boston Municipal Research Bureau, Boston, MA. March 2012.

*2010*

14. Maps of Binghamton’s Social Dynamics. Roberson Museum, Binghamton, NY. November 2010 – December 2010

*2009*

15. The Binghamton Neighborhood Project: An Overview. Broome County Aging Futures Program for the Elderly, Binghamton, NY. November 2009.
16. The Mary St. Survey. Southside Neighborhood Assembly, Binghamton, NY. October 2009.
17. The Mary St. Survey. Mayor’s Office, Binghamton, NY. September 2009.
18. The Mary St. Survey. Binghamton Housing Authority, Binghamton, NY. August 2009.
19. Using Community Surveys in Urban Planning. Binghamton Housing Authority, Binghamton, NY. July 2009.
20. The State of Our Gardens and Their Neighborhoods. Volunteers Improving Neighborhood EnvironmentS (VINES), Binghamton, NY. June 2009.

**Dan O'Brien, Ph.D.**

Assistant Professor, Northeastern University  
 Co-Director, Boston Area Research Initiative  
[d.obrien@neu.edu](mailto:d.obrien@neu.edu)

Book Reviews

1. Thinking, Fast and Slow, by Daniel Kahneman. 2012. *Journal of Social, Evolutionary and Cultural Psychology*, **6**: 253-256.

**COURSES TAUGHT** (\* - Graduate course)*Criminology*

Communities and Crime; Crime and Community Context\*

*Urban Informatics*

Big Data for Cities (on-ground and online)\*; Urban Theory and Science (on-ground and online)\*

*Psychology*

Introductory Statistics; Behavioral Research Methods; Experimental Methods: Social Psychology

*Sociology*

Mapping and Analyzing Social Patterns in Boston Neighborhoods

*Biology*

Evolution for Everyone; Cultural Evolutionary Theory; Evolution and Human Affairs; Introduction to Cellular and Molecular Biology

**SERVICE**Editing & Reviewing

*Evolutionary Behavioral Sciences* (previously *Journal of Social, Evolutionary and Cultural Psychology* through 2013)

Editor (2013-2016)

Associate Editor (2011-2012)

Guest Editor of annual special issue: Proceedings of the North Eastern Evolutionary Psychology Society Annual Conference (2011, 2012)

Editorial Board Member (2017-present)

*Scientific Data* (A Nature Publication)

Editorial Board Member (2015-present)

*Frontiers in Evolutionary Psychology and Neuroscience*

Review Editor (2013-present)

*EvoS Journal: The Journal of the Evolutionary Studies Consortium*

Academic Editorial Board (2010-present)

External reviewer for: *American Journal of Community Psychology*; *Big Data*; *Environment & Behavior*; *Evolution and Human Behavior*; *Evolution Education and Outreach*; *Evolutionary Psychology*; *Journal of Criminal Justice*; *Journal of Environmental Psychology*; *Journal of Personality*; *Journal of Personality and Social Psychology*; *Journal of Research in Crime and Delinquency*; *Journal of Rural and Community Development*; *Sociological Methods*

**Dan O'Brien, Ph.D.**

Assistant Professor, Northeastern University  
 Co-Director, Boston Area Research Initiative  
[d.obrien@neu.edu](mailto:d.obrien@neu.edu)

*and Research; Transportation Research Part F: Traffic Psychology and Behaviour; Urban Geography; Well-Being*

Professional Service*Internal*

Co-Director, Boston Area Research Initiative, Northeastern & Harvard Universities, Fall 2016-present.

Member, Executive Council, School of Public Policy and Urban Affairs, Northeastern University, 2016-present.

Member, Sub-Committee on Urban PhD Concentration, School of Public Policy and Urban Affairs, Northeastern University, 2016-present.

Member, Admissions Committee, Data Analytics Program, Northeastern University, 2014-present.

Research Director, Boston Area Research Initiative, Radcliffe Institute for Advanced Study at Harvard University, January 2011-Summer 2016.

Member, Search Committee for Director of the Dukakis Center for Urban and Regional Policy, Northeastern University, 2016.

Member, Methods/Statistics Computational Working Group, Northeastern University, 2016-2017.

Member, Ad-hoc Committee on IT Needs for Computational Research, Northeastern University, 2015.

Co-organizer, Evolution, Ecology & Behavior Lunches, Biology Department, Binghamton University. Spring 2009-Fall 2009.

Member, Evolutionary Studies Institute. Binghamton University, Fall 2006-Spring 2010.

*External*

Member, Urban and Regional Spoke, NSF Northeastern Regional Big Data Hub. 2015-present.

Member, Steering Committee, [MetroLab Network](#). 2015-2016.

Young Career Scientist, Promise Neighborhood Research Consortium. National consortium for advancing scientific approaches to community improvement. February 2010-Summer 2012.

Public Service

Judge, Analyze Boston Open Data Challenge, City of Boston, 2017.

Member, Content Advisory Committee, Boston Open Data Initiative, City of Boston. 2016-present.

Member, Advisory Council, Boston Indicators Project, The Boston Foundation. 2016-present.

Member, Board of Directors, Volunteers Improving Neighborhood EnvironmentS (VINES). Non-profit organization dedicated to the creation and maintenance of community gardens and green-space in Binghamton, NY. Spring 2008-Spring 2010.



## Events Organized and Hosted

### *Conferences*

“Data-Driven Research, Policy, and Practice: Lessons from Boston, for Boston,” Boston, MA. March 2017. Hosted by the Boston Area Research Initiative, co-sponsored by the City of Boston, Microsoft Office for Technology & Civic Engagement, and Institute of Quantitative Social Science at Harvard University.

“Understanding and Improving Cities: Policy/Research Partnerships in the Digital Age,” Boston, MA. December, 2014. Hosted by the Boston Area Research Initiative, co-sponsored by The City of Boston and The Rappaport Institute for Greater Boston.

“Reimagining the University-City Connection,” Radcliffe Institute for Advanced Study, Cambridge, MA. October, 2011. Hosted by the Boston Area Research Initiative, co-sponsored by The City of Boston and The Rappaport Institute for Greater Boston.

### *Workshops and Panels*

“Making ‘Smart Cities’ Smart,” Northeastern University, Boston, MA, May 2017. Co-hosted by Boston Area Research Initiative and the City of Boston.

“How Can Urban Researchers Engage Communities for Social Change?”, Codman Square Health Center, Boston, MA. February 2017. Co-hosted by Boston Area Research Initiative and URBAN.Boston.

“Cross-City Innovation Dinner” joining BARI seed grant recipients and visiting graduate students from Carnegie Mellon University, Northeastern University, Boston, MA, January 2017. Co-hosted by the Boston Area Research Initiative and Carnegie Mellon University.

“Exploring the Promise of an Urban Earth Science,” Initiative on Cities, Boston University, Boston, MA, November 2016. Hosted by Boston Area Research Initiative.

“Defining and Measuring Gentrification,” Joint Center for Housing Studies, Harvard University, Cambridge, MA, November 2016. Co-sponsored by Boston Area Research Initiative.

“The Data of Justice” Hack-a-thon, part of HUBWeek 2016, at Northeastern University, Boston, MA. September 2016. Co-sponsored by Boston Area Research Initiative, Northeastern University’s School of Journalism, and College of Computer and Information Science.

“Community-Based Trainings in the Boston Data Portal,” Various Locations, greater Boston, MA, ~3 sessions annually, 2014-present. Hosted by Boston Area Research Initiative.

“Using Technology to Engage Constituents and Improve Governance,” Open Classroom, School of Public Policy and Urban Affairs, Northeastern University, Boston, MA, April 2016. Co-sponsored by Boston Area Research Initiative.

“Boston Public Schools’ School Reassignment Plan,” Initiative on Cities, Boston University, Boston, MA, February 2016. Co-hosted by Boston Area Research Initiative and Initiative on Cities.

“Dataswap 2013,” a six-month challenge for teams of students and data professionals to work with novel data sets, with kick-off and concluding events, 2013-2014. Co-hosted and – sponsored by the Boston Globe, Boston Area Research Initiative, NULab for Texts, Maps, and Networks.

Assistant Professor, Northeastern University  
Co-Director, Boston Area Research Initiative  
[d.obrien@neu.edu](mailto:d.obrien@neu.edu)

“Learning from Citizens’ Calls,” Emerson College, Boston, MA, June 2013. Co-hosted by Boston Area Research Initiative, the Mayor’s Office of New Urban Mechanics, and Emerson College.

“Teaching Boston,” City Hall, Boston, MA, November 2012. Co-hosted by Boston Area Research Initiative and City of Boston.

## **MEDIA COVERAGE**

### **‘Boston’s CityScore’ (Summer 2016)**

- Boston Globe (<https://www.bostonglobe.com/metro/2016/08/17/city-hall-always-above-average-you-ask-city-hall/GUvNcsQIhJYt8SPgjLzCN/story.html>)

### **‘Private and Public Spheres of Disorder’ (Summer 2015)**

- Boston Globe (<http://www.bostonglobe.com/metro/2015/09/11/boston-researchers-study-raises-questions-about-broken-windows-theory-policing/DVrmqE6BiFIVhucAWnKt5L/story.html>)
- Radio Boston (WBUR, an NPR affiliate in Boston) (<http://radioboston.wbur.org/2015/08/18/windows-crime>)
- The Atlantic’s City Lab (<http://www.citylab.com/crime/2015/08/private-conflict-not-broken-windows/402059/>)
- Pacific Standard (<http://www.psmag.com/politics-and-law/private-conflict-public-disorder-and-crime>)
- Phys.org (<http://phys.org/news/2015-06-interpersonal-conflict-strongest-predictor-crime.html>)
- Medical Daily Grapevine (<http://www.medicaldaily.com/domestic-violence-interpersonal-conflicts-better-predictor-neighborhood-crimes-336176>)
- NextCity website (<http://nextcity.org/daily/entry/big-data-meets-broken-windows-social-escalation-theory>)
- Huntington News (<http://huntnewsnu.com/2015/09/nu-professor-challenges-broken-windows-theory/>)

### **‘Custodianship in Urban Neighborhoods’ (April 2015)**

- Psychology Today (<https://www.psychologytoday.com/blog/darwins-subterranean-world/201504/custodians-the-neighborhood>)

### **‘Mapping Bike Collisions in Boston’ (June 2014)**

- Boston.com
- Boston Magazine

### **‘Big Data in Boston Neighborhoods’ (July 2013)**

- WBUR.org (local National Public Radio affiliate)

### **‘Neighborhoods and Children’ (May 2012)**

- Scholastic Magazine

### **‘The University-City Connection’ (October 2011)**

- The Boston Globe
- The Harvard Gazette

### **‘Community Perception’ (April 2011)**

**Dan O'Brien, Ph.D.**

Assistant Professor, Northeastern University  
 Co-Director, Boston Area Research Initiative  
[d.obrien@neu.edu](mailto:d.obrien@neu.edu)

- KCSN Radio (Los Angeles, CA)
- **'Graduation Speaker'** (May 2010)
  - Press & Sun-Bulletin (Binghamton, NY)
  - YouTube  
 (<http://www.youtube.com/watch?v=Jvgrwo9H2VE>)
- **'Binghamton Neighborhood Project'** (March 2010)
  - Greater Good Magazine (UC Berkeley)
- **'Evolution for Everyone'** (Sept. 2009)
  - Binghamton University YouTube page  
 (<http://www.youtube.com/watch?v=MouQOyHB28M>)
- **'The Community Gardens Project'** (July 2009)
  - Binghamton University YouTube page  
 ([http://www.youtube.com/watch?v=5rxlD2V65\\_A](http://www.youtube.com/watch?v=5rxlD2V65_A))
- **'Peer Victimization in Adolescents'** (Feb. 2009)
  - Canwest News (Ottawa): Vancouver Sun, Calgary Herald, Alberni Valley Times and Nanaimo Daily News
  - CHML News Talk Radio (Ottawa)
  - Press and Sun Bulletin (Binghamton)
  - The Toronto Star
- **'Grading Our Neighborhoods'** (Oct. 2008)
  - WBNG Evening News (CBS affiliate)
  - Press & Sun-Bulletin (Binghamton, NY)
- **'The Holiday Decorations Studies'** (Dec. 2006)
  - Press & Sun-Bulletin (Binghamton, NY)
  - WBNG Evening News (CBS affiliate)