

Jonathan Stiles

Email: jonathan.stiles@rutgers.edu

Website: <http://jonathanstiles.net>

Telephone: (646) 265-5651

Address: 361 16th Street Apt. 2A, Brooklyn, New York, 11215

EDUCATION

- May 2019** **Ph.D. Planning and Public Policy**
Bloustein School of Planning and Public Policy, Rutgers University, NJ
- December 2010** **M.A. International Affairs**
Graduate Program in International Affairs (GPIA), The New School, NY
Visiting Researcher, School of International Relations, Yunnan University, Summer 2009
- May 1994** **B.A. Music**
Bard College, NY
-

ACADEMIC APPOINTMENTS

- 2021–Present** **Postdoctoral Fellow**
Florida Atlantic University, Boca Raton, FL
- 2019–2021** **Postdoctoral Researcher**
The Ohio State University, Columbus, OH
- 2017–2020** **Adjunct Instructor**
New Jersey Institute of Technology, Newark, NJ
- 2016–2019** **Part-Time Lecturer**
Bloustein School of Planning and Public Policy, Rutgers University, New Brunswick, NJ
-

PUBLICATIONS

Peer Reviewed

Stiles, Jonathan, Yuchen Li, and Harvey J. Miller. How Does Street Space Influence Crash Frequency? An Analysis Using Segmented Street View Imagery. *Environment and Planning B: Urban Analytics and City Science* (In Press).

Stiles, Jonathan, Armita Kar, Jinhyung Lee, and Harvey J. Miller. Lower volumes, higher speeds: Changes to crash type, timing, and severity on urban roads from COVID-19 stay-at-home policies. *Transportation Research Record* (2021): <https://doi.org/10.1177/03611981211044454>

Stiles, Jonathan, and Michael J. Smart. Working at home and elsewhere: Daily work location, telework, and travel among United States knowledge workers. *Transportation* (2020): 1-31. <https://doi.org/10.1007/s11116-020-10136-6>

Stiles, Jonathan. Strategic niche management in transition pathways: Telework advocacy as groundwork for an incremental transformation. *Environmental Innovation and Societal Transitions*, 34 (2020): 139-150. <https://doi.org/10.1016/j.eist.2019.12.001>

Stiles, Jonathan, and Clinton Andrews. "Powers of division: 'Smart' spaces as controlling workplace activity fragmentation." *Annals of the American Association of Geographers* (2019): 1-11.
<https://doi.org/10.1080/24694452.2019.1672519>

Miller, Harvey J., Kelly Clifton, Gulsah Akar, Kristin Tufte, Sathya Gopalakrishnan, John MacArthur, Elena Irwin, Rajiv Ramnath, and Jonathan Stiles. Urban Sustainability Observatories: Leveraging Urban Experimentation for Sustainability Science and Policy. *Harvard Data Science Review* (2021).
<https://doi.org/10.1162/99608f92.2025202b>

Under Revision

Stiles, Jonathan, and Harvey J. Miller. Revealing the Effects of the Built Environment on the Determination of Fault in Urban Pedestrian Crashes. *Journal of Planning Education and Research* (Under Revision).

Book Reviews

Stiles, Jonathan. Community-Owned Transport. *Journal of Urban Technology*, 24, no. 4 (2017): 137–138.

AWARDS & FELLOWSHIPS

2019 Susan S. Fainstein Distinguished Doctoral Scholarship Award
2012–2016 Edward J. Bloustein Doctoral Excellence Fellowship, Rutgers University
2010 India China Institute Student Fellow, The New School

TEACHING

Bloustein School of Planning and Public Policy, Rutgers University, New Brunswick, NJ

Research Methods (Undergraduate)

Instructor for class introducing students to research methods for planning, public health, and public policy, covering both quantitative and qualitative methods.

Methods of Planning Analysis 2 (Graduate)

Lab instructor and teaching assistant for class introducing planning students to commonly used demographic and economic statistical analyses in planning practice

New Jersey Institute of Technology, Newark, NJ

Understanding Technological Society (Undergraduate)

Instructor for class providing an introduction to the study of how our society gives shape to and is shaped by technology and technological systems.

Introduction to Sociology (Undergraduate Honors, Undergraduate Online)

Instructor for both honors face-to-face and online sections of class introducing students to the study of society, in which students learn key sociological concepts and theories, and use participant observation to gather data on a social setting

Fundamentals of Research in Science and Technology Studies (Undergraduate)

Instructor for class introducing students to quantitative research methods for science and technology studies, in which students collect and analyze primary data.

PROFESSIONAL ACTIVITIES AND DEVELOPMENT

Peer Reviewer: *Cities, Urban Studies, Big Data & Society, Transportation Research Part A, Journal of Planning Education and Research, Transportation Research Part D, Computer Magazine*

Conference Co-Organizer Planning in a Brave New World: Data and New Mobilities: Panel at the Association of Collegiate Schools of Planning Annual Conference, Denver CO, October 11, 2017: Co-organizer

Workshop Participant: Participated in the 2017 Urban Affairs Association UAA Teaching Effectiveness Workshop for Instructors.

SELECTED CONFERENCE PAPERS

Stiles, Jonathan, and Harvey J. Miller. The Determination of Fault in Urban Pedestrian Crashes: Assessing the Role of the Built Environment and Neighborhood Inequality. Association of Collegiate Schools of Planning Conference. October 21–23, 2021.

Stiles, Jonathan, and Shoshana Goldstein. Reimagining Traffic Safety Discourse: Civic Technology and Vision Zero in New York City. Association of Collegiate Schools of Planning Conference. November 5–8, 2020.

Stiles, Jonathan. Home Away From Work: Conceptions of the Distinction Between Home and Workplace in Planning Before 1970. Society for American City and Regional Planning History Conference, Arlington VA, October 31–November 3, 2019.

Stiles, Jonathan. A Long Groundwork for Transformation: Telework Advocacy as Strategic Niche Management. Association of Collegiate Schools of Planning Conference, Greenville, SC, October 24–27, 2019.

Stiles, Jonathan. Work Location Decision-Making and Mobile Cloud Computing: Results from a Qualitative Study in the New York City Metropolitan Area. Association of Collegiate Schools of Planning Conference, Buffalo NY, October 25–28, 2018.

Stiles, Jonathan, and Michael Smart. Telecommuting and Peak-Hour Avoidance in a Multimodal City. Urban Affairs Association Annual Conference, Toronto CA, April 4–7, 2018.

Stiles, Jonathan. Driving Jobs in Transition? Trends, Determinants, and Job Quality in the Face of Autonomous Vehicles. Transportation Research Board Annual Meeting, Washington DC, January 7–11, 2018.

Stiles, Jonathan, and Michael Smart. Working at Home and Out and About in the City: Remote Work and Daily Transportation Practice. Association of Collegiate Schools of Planning Conference, Denver CO, October 2017.

Stiles, Jonathan, and Michael Smart. Work Location, Telecommuting and Peak-Hour Travel Demand. NJ Transaction Conference, Atlantic City, NJ, April 4–6, 2017.

Stiles, Jonathan. Trends in Mobile Work in the United States, 1850 to 1990. Transportation Research Board Annual Meeting, Washington DC, January 8–12, 2017.

Stiles, Jonathan, and Michael Smart. Working at Home and Out and About: Telecommunications, Work Location, and Travel, 2003 to 2014. Transportation Research Board Annual Meeting, January 8–12, 2017.

Stiles, Jonathan. Starting up Equity? Social Enterprise in the Civic Technology Movement. Social Equity Leadership Conference, Nashville, TN, June 3, 2015.

Stiles, Jonathan. Making the City User: Exploring the Role of Usability in Civic Technology. Krueckeberg Doctoral Conference, New Brunswick, NJ, March 12, 2015.

Stiles, Jonathan. Evaluating Participation, Innovation, and Outcomes Around City Open Data Initiatives. Urban Affairs Association Annual Conference, San Antonio, TX, March 19–22, 2014.

RESEARCH TECHNOLOGY SKILLS

Programming Languages: Python, R, Javascript, PHP, Java

Markup / Data Interchange: JSON, HTML, CSS, XML, SQL

Data Analytics and GIS: Pandas, NumPy, Matplotlib, Excel, PySAL, ArcGIS, Geopandas, QGIS, Leaflet,

Development and Statistics Tools: Visual Studio Code, Jupyter, Github, SPSS, Stata

MAPPING PROJECTS

Crash Data Explorer <http://crashdataexplorer.org/>
Developed open source analysis and engagement tool for urban pedestrian and bike safety. Crash Data Explorer is a client-side Javascript web application leveraging Leaflet, Chart.js, and CitySDK, with Python scripts to assist with data conversion and configuration.

OTHER EMPLOYMENT

2016–2018 **Journal of Planning Education and Research**, New Brunswick, NJ

Editorial Assistant

Provided assistance to the co-editors and managing editor of a peer-reviewed planning journal

- Provided support for the peer review processing of submitted manuscripts
- Helped organize editorial board meetings and Writing Workshop for New Scholars
- Managed promotion of articles through social media and in partnership with Planetizen
- Selected photos for JPER issue covers and drafted photo captions

2011–2012 **Pencils of Promise**, New York, NY

Director of Technology

Oversaw technology strategy and implementation for a growing nonprofit organization committed to improving access to education in the developing world

- Designed and implemented Salesforce database for linking organizational information
- Advised international programs team on the management of monitoring and evaluation data
- Applied for and received product donations from technology-related corporate foundations

2006–2009 **AOL Time Warner / Quigo Technologies**, New York, NY

Senior Software Engineer

Member of a team that developed and maintained a popular contextual advertising web platform; Company was purchased by AOL Time Warner in 2008

- Wrote Java, SQL, PHP, and Javascript code to implement features

1998–2003 **Razorfish / Intervision-Razorfish**, New York, NY / Tokyo, Japan

Developer, Senior Developer

Worked with cross-cultural team of developers in Tokyo office on web and mobile projects