

THOMAS MARLOW

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PhD Candidate ◇ Department of Sociology ◇ Brown University

21 East George St ◇ Providence, RI 02906

EDUCATION

Ph.D, Sociology, Brown University *Expected Fall 2019*

Spatial Structures in the Social Sciences (S4), Spatial Analysis Certificate *2018*

M.A., Sociology, Brown University *May 2016*

Thesis: *Socioenvironmental Succession: The Case of Rhode Island.*

B.A., Illinois Wesleyan University *April 2011*

TEACHING

S4's Winter GIS Institute January 2016 - 2019
Instructor *Brown University*

- Introduction to Spatial Statistics

S4's Summer GIS Institute June 2017 - 2019
Instructor *Brown University*

- Introduction to Spatial Statistics

Statistics for Social Research Fall 2015 - Spring 2016
Teaching Assistant *Brown University*

- Instructor: Dr. David Lindstrom, Fall 2015
- Instructor: Dr. Elizabeth Fussell, Spring 2016

Social Inequality Spring 2015
Teaching Assistant *Washington State University*

- Instructor: Dr. Julie Kmec

Introduction to Sociology Fall 2014
Teaching Assistant *Washington State University*

- Instructor: Dr. Kristin Cutler

PUBLICATIONS

Bell, Samuel, Thomas Marlow, Kai Wombacher, Anina Hitt, Neev Parikh, Andras Zsom, Scott Frickel. In Review. "Automated data extraction from historical city directories: the rise and fall of mid-century gas stations in Providence, RI". (<https://www.biorxiv.org/content/10.1101/701136v1>).

Marlow, Thomas, Scott Frickel, and James R. Elliott. Forthcoming. "Do Legacy Industrial Sites Produce Legacy Effects in Ethnic and Racial Residential Settlement? Environmental Inequality Formation in Rhode Island's Industrial Core." *Sociological Forum*.

Berenbaum, David, Deighan, D., Marlow, T., Lee, A., Frickel S., & Howison. M. 2019. "Mining Spatio-Temporal Data on Industrialization from Historical Registries." *Journal of Environmental Informatics*. DOI: 10.3808/jei.201700381 (arXiv <https://arxiv.org/abs/1612.00992>)

Guelfo Jennifer L., Marlow Thomas, Klein David M., Savitz David A., Frickel Scott, Crimi Michelle, and Suuberg Eric M. 2018. "Evaluation and Management Strategies for Per- and Polyfluoroalkyl Substances (PFASs) in Drinking Water Aquifers: Perspectives from Impacted U.S. Northeast Communities." *Environmental Health Perspectives* 126(6):065001.

INVITED LECTURES

"Environmental Inequality in Rhode Island." Environmental Health 2050, Brown University, 2018

"Environmental Justice" Social Science Approaches to Environmental Studies, Brown University, 2018

CONFERENCE PRESENTATIONS

"Mining Socio-environmental Hazard Data from Historical Directories" Poster presented at the Annual Meeting of the Superfund Research Program, Sacramento CA, December 2018.

"Disentangling the Industrial and Demographic Dynamics of Environmental Inequality Formation in Rhode Island" Paper presented at the Annual Meeting of the American Sociological Association, Philadelphia, PA, August 2018.

"Analyzing Industrial Neighborhoods in Rhode Island" Paper presented at the Annual International Conference on Computation Social Science, Evanston, IL, July 2018.

"Hazardous Conditions: Industrial growth and environmental inequality in Rhode Island, 1954-2016", Paper presented at the Annual Meeting of the American Association of Geographers, New Orleans, LA, April 2018.

"Disentangling the demographic and spatial dynamics of environmental inequality formation" Paper presented at the Annual Meeting of the Eastern Sociological Society, Baltimore, MD February 2018.

"Analyzing Chemical Mixtures in Rhode Island: A Machine Learning Approach", Paper presented at the Annual Meeting of the Superfund Research Program, Philadelphia, PA, December 2017.

"The Benefits of Research Translation to Environmental Research: An Example Featuring Perfluoroalkyl Acid (PFAA) Fate and Transport" Invited Talk with Dr. Jennifer Guelfo at the Environmental Health Science FEST, Durham, North Carolina, December 2016.

AWARDS AND FELLOWSHIPS

S4 Student Paper Prize

May 2019

Paper Titled: "Environmental Justice in the Post-Industrial Landscape"

Spatial Structures in the Social Sciences (S4)
Fellow

December 2015 - Present

– 2017/2018 Senior Fellow of the Year

Institute at Brown for Environment and Society (IBES)
Fellow

2016 - Present

Brown Superfund Research Program
Graduate Trainee

2016 - Present