

## LOURDES ANNETTE VERA

Department of Sociology and Criminology  
Department of Environment and Sustainability  
University at Buffalo

lavera@buffalo.edu  
716-903-3498

### PROFESSIONAL APPOINTMENTS

Sept. 2022 – Assistant Professor, Department of Sociology and Criminology and Department of Environment and Sustainability, State University of New York at Buffalo  
Jan. – Visiting Assistant Professor, Department of Sociology and Criminology and Department of Environment and Sustainability, State University of New York at Buffalo  
Aug. 2022

### EDUCATION

2022 Ph.D., Sociology, Northeastern University.  
2022 Graduate Certificate, Data Analytics, Northeastern University.  
2017 M.A., Sociology, Northeastern University.  
2014 M.A., Teaching Earth Science, CUNY Brooklyn College.  
2012 B.A., Urban Studies, Barnard College, Columbia University.

### SCHOLARLY INTERESTS

Environmental Sociology; Sociology of Science, Knowledge, and Technology; Theory; Urban Sociology

### PUBLICATIONS

† equal authorship; \* student author; § community partner or non-academic.

#### Refereed Journal Articles

- 2026 Goldstein, Jenny E., Dan Brockington, Chris Sandbrook, Patrick Meyfroidt, Jonas Geldmann, Tobias Kuemmerle, Marion Pfeifer, Laura A. Sauls, **Lourdes Vera**, Anwesha Dutta, Rose Pritchard, Nina Bhola, Ruth DeFries, Lauren Drakopulos, Freya A. V. St John, Neema Pathak Broome, Joycelyn Longdon, Kate Schreckenberger, Gary Watmough, Cleo Cunningham, Munib Khanyari, Richard Ladle, Thaniá Lessa, Deepshikha Sharma, and Ryan Unks. “Environmental data justice is key for developing more effective area-based conservation approaches.” *Nature Reviews Biodiversity* 2(2):116–126. [doi:10.1038/s44358-025-00126-w](https://doi.org/10.1038/s44358-025-00126-w).
- 2025 Alvarado Rojas, Alejandro\*†, **Lourdes Vera**†, Steve Hansen§, Eric Nost, Sara Wylie, Cole Alder§, and the Environmental Data & Governance Initiative. “Infrastructuring care: Co-designing computational notebooks for environmental data justice.” *Science, Technology, & Human Values*. [doi:10.1177/01622439251356930](https://doi.org/10.1177/01622439251356930).
- 2025 Record, Nicholas R., Benjamin Tupper, Kenneth Douyon, Lauren Drakopulos, **Lourdes Vera**, and Johnathan Evanilla. “Harmful algae forecasting through an ocean data justice lens.” *Environmental Science & Technology* 59(24):11964–11973. [doi:10.1021/acs.est.4c10838](https://doi.org/10.1021/acs.est.4c10838).
- 2024 O’Brien, Margaret, Ruth Duerr, Riley Taitingfong, Andrew Martinez, **Lourdes Vera**, Lydia Jennings, Robert R. Downs, Erin Antognoli, Talya ten Brink, Nicole B. Halmi, Dominique David-Chavez, Stephanie Russo Carroll, Maui Hudson, and Pier Luigi

- Buttigieg. "Earth science data repositories: Implementing the CARE principles." *Data Science Journal* 23:37. [doi:10.5334/dsj-2024-037](https://doi.org/10.5334/dsj-2024-037).
- 2024 Underhill, Vivian, Gary Allison, Holden Huntzinger\*, Cole Mason\*, Abigail Noreck\*, Emi Suyama\*, **Lourdes Vera**, and Sara Wylie. "Increases in trade secret designations in hydraulic fracturing fluids and their potential implications for environmental health and water quality." *Journal of Environmental Management* 351:119611. [doi:10.1016/j.jenvman.2023.119611](https://doi.org/10.1016/j.jenvman.2023.119611).
- 2023 Underhill, Vivian, Angelica Fiuza\*, Gary Allison, Grace Poudrier\*, Sarah Lerman-Sinkoff\*, **Lourdes Vera**, and Sara Wylie. "Outcomes of the Halliburton Loophole: Chemicals regulated by the Safe Drinking Water Act in US fracking disclosures, 2014–2021." *Environmental Pollution* 322:120552. [doi:10.1016/j.envpol.2022.120552](https://doi.org/10.1016/j.envpol.2022.120552).
- 2020 **Vera, Lourdes**, Garance Malivel, Drew Michanowicz, Choong-Min Kang, and Sara Wylie. "Photopaper as a tool for community-level monitoring of industrially produced hydrogen sulfide and corrosion." *Atmospheric Environment: X* 5:100049. [doi:10.1016/j.aeaoa.2019.100049](https://doi.org/10.1016/j.aeaoa.2019.100049).
- 2019 **Vera, Lourdes**, Dawn Walker\*, Michelle Murphy, Becky Mansfield, Ladan Mohamed Siad\*, Jessica Ogden, and the Environmental Data & Governance Initiative. "When data justice and environmental justice meet: Formulating a response to extractive logic through environmental data justice." *Information, Communication & Society* 22(7):1012–1028. [doi:10.1080/1369118X.2019.1596293](https://doi.org/10.1080/1369118X.2019.1596293).  
 Recipient of the 2021 Robert Boguslaw Award for Technology and Humanism, ASA Environmental Sociology Section; 2020 Outstanding Research Paper Award, Northeastern University.
- 2018 **Vera, Lourdes**, Lindsey Dillon, Sara Wylie, Jennifer Liss Ohayon, Aaron Lemelin, Phil Brown, Christopher Sellers, Dawn Walker, and the Environmental Data & Governance Initiative. "Data resistance: A social movement organizational autoethnography of the Environmental Data & Governance Initiative." *Mobilization: An International Quarterly* 23(4):511–529. [doi:10.17813/1086-671X-24-4-511](https://doi.org/10.17813/1086-671X-24-4-511).  
 Recipient of the 2019 Outstanding Research Paper Award, Northeastern University.
- 2017 Wylie, Sara, Elisabeth Wilder, **Lourdes Vera**, Deborah Thomas, and Megan McLaughlin. "Materializing exposure: Developing an indexical method to visualize health hazards related to fossil fuel extraction." *Engaging Science, Technology, and Society* 3:426–463. [doi:10.17351/ests2017.123](https://doi.org/10.17351/ests2017.123).

### Other Refereed Publications

- 2025 **Vera, Lourdes**, Kelsey Breseman§, Cole Alder§, and the Environmental Data & Governance Initiative. "From the environmental right to know to environmental data justice." Pp. 231–249 in *The SAGE Handbook of Data and Society*, edited by T. Venturini, A. Acker, J.-C. Plantin, and T. Walford. London: SAGE Publications.
- 2023 **Vera, Lourdes**. "Repairing the Anthropocene: Toward civic validity for environmental data justice." *NatureCulture* 6:48–79.

### Book Reviews

- 2024 **Vera, Lourdes**. Review of *Access Rules: Freeing Data from Big Tech for a Better Future*, by Thomas Ramge and Viktor Mayer-Schönberger. *Contemporary Sociology*.
- 2021 **Vera, Lourdes**. Review of *Hacked Transmissions: Technology and Connective Activism in Italy*, by Alessandra Renzi. *Mobilization: An International Quarterly*.

- 2020 **Vera, Lourdes.** “Imagining alternative politics of experimentation and resistance with Michelle Murphy’s *The Economization of Life*.” Ludwik Fleck Prize Book Forum. *Somatosphere*.

### Academic Essays

- 2025 Nost, Eric, Gretchen Gehrke, **Lourdes Vera**, and Steve Hansen. “Why the Environmental Data & Governance Initiative is archiving public environmental data.” *Patterns* 6(1):101151. [doi:10.1016/j.patter.2024.101151](https://doi.org/10.1016/j.patter.2024.101151).
- 2021 Record, Nicholas R., and **Lourdes Vera**. “Uncovering big data bias in sustainability science.” *Spire: The Maine Journal of Conservation and Sustainability*. <https://umaine.edu/spire/2021/03/29/bigdatabias/>
- 2016 **Vera, Lourdes.** “Community health impacts from oil and gas development in Texas: The perspective of Sharon Wilson.” *New Solutions: A Journal of Environmental and Occupational Health Policy* 26(3):496–507. [doi:10.1177/1048291116665073](https://doi.org/10.1177/1048291116665073).

### Policy and Technical Reports

- 2025 Nost, Eric, Christopher Cane, Carly Hagen, Mars Monnier, **Lourdes Vera**, and Steve Hansen. “State of Environmental Protection: Introduction to the series.” Environmental Data & Governance Initiative.
- 2024 Varner, Jessica, **Lourdes Vera**, Clover Kagle\*, Marsella Monnier\*, and EDGI. Comment on Proposed High-Priority Substance Designations under TSCA: Vinyl Chloride. Docket ID No. EPA-HQ-OPPT-2018-0448-0591.
- 2022 Underhill, Vivian, **Lourdes Vera**, Eric Nost, Kelly Wilkins, Madison Sonnenday, and Sara Wylie. “50 Years after the Clean Water Act, toxic chemicals it regulates are still used in fracking.” Environmental Data & Governance Initiative.
- 2022 Nost, Eric, Sara Wylie, Olivia Chang, Olin College PInT, Kelsey Breseman, Steve Hansen, **Lourdes Vera**, and EDGI. “How gaps and disparities in EPA data undermine climate and environmental justice screening tools.” Environmental Data & Governance Initiative.
- 2018 Mansfield, Becky, Gretchen Gehrke, Andrea Hindman, Leif Fredrickson, **Lourdes Vera**, Jess Ogden, Dawn Walker, and EDGI. Comment on Proposed Rule: Strengthening Transparency in Regulatory Science. Docket ID No. EPA-HQ-OA-2018-0259.
- 2017 Villa, Priscilla, **Lourdes Vera**, Sara Wylie, and Sharon Wilson. “Hazards in the air: Relating reported illnesses to air pollutants detected near oil and gas operations in and around Karnes County, Texas.” Earthworks’ Oil and Gas Accountability Project. (Also published in Spanish.)

### Tools and Digital Infrastructure

- 2022 Nost, Eric, Maya Raisle, Steve Hansen, Kelsey Breseman, **Lourdes Vera**, Sara Wylie, and EDGI. *Owning Up: A Tool to Measure US Carbon Emissions by Corporations*. Environmental Data & Governance Initiative.
- 2021 Nost, Eric, Maya Raisle, Steve Hansen, Kelsey Breseman, **Lourdes Vera**, Sara Wylie, and EDGI. *What’s in My Watershed? A Tool for Community Analysis of Water Pollution and Polluters*. Environmental Data & Governance Initiative.

## Popular Work

- 2024 Nost, Eric, **Lourdes Vera**, Steve Hansen, Kelsey Breseman, Sara Wylie, and EDGI. “Explore our alternative tools for contextualizing hard-to-access EPA data.” Environmental Data & Governance Initiative.
- 2023 Underhill, Vivian R., and **Lourdes Vera**. “Companies that frack for oil and gas can keep a lot of information secret—but what they disclose shows widespread use of hazardous chemicals.” *The Conversation*, April 3. Reprinted in *Fortune*, *Phys.org*, *The Denver Post*, *Idaho Press*, *Children’s Health Defense*, *Water Online*, *The Caledonian-Record*, *Chronicle-Tribune*, *The Herald-Press*, *Global Research*, and others.
- 2022 **Vera, Lourdes**. “How mentorship can challenge legacies of oppression in academia.” Newsletter of the ASA Section on Environmental Sociology.
- 2020 **Vera, Lourdes**. “Bracing for the ‘double dose’: Experiencing COVID-19 while living near oil and gas development.” *Shado Magazine*.
- 2020 Nost, Eric, Sara Wylie, Kelsey Breseman, Gretchen Gehrke, Christopher Sellers, **Lourdes Vera**, Lauren Richter, Becky Mansfield, and the Environmental Data & Governance Initiative. “A Green New Deal for environmental data.” *Science for the People* 23(2):72–75.
- 2020 Nost, Eric, Kelsey Breseman, Steve Hansen, Leslie Alanis, Megan Raisle, **Lourdes Vera**, Maalvika Bhat, Sara Wylie, Sung-Gheel (Gil) Jang, and EDGI. “More permission to pollute: The decline of EPA enforcement and industry compliance during COVID.” Environmental Data & Governance Initiative.
- 2020 Breseman, Kelsey, Eric Nost, Gretchen Gehrke, Christopher Sellers, M. Beck, Phil Brown, **Lourdes Vera**, and EDGI. “EPA’s COVID-19 leniency is a free pass to pollute.” Environmental Data & Governance Initiative.

## Manuscripts Under Review

- 2026 Friedman, Elizabeth, **Lourdes Vera**, Beto Martinez, and Genna Reed. “Proceedings of an APHA panel session: Public health principles for inclusive technological advances.” Submitted to *American Journal of Public Health*.
- 2025 Lerman-Sinkoff, Sarah, Vivian Underhill, Gary Allison, **Lourdes Vera**, and Sara Wylie. “Endocrine disrupting chemicals in hydraulic fracturing disclosures in the Eagle Ford and Niobrara shale plays, 2014–2022.” Submitted to *Environmental Pollution*.
- 2025 Varner, Jessica†, and **Lourdes Vera**†. “Between consent and refusal: Building environmental right-to-know in feminist and community-based environmental data justice futures now.” Introduction to thematic collection. Submitted to *Science, Technology, & Human Values*.

## Manuscripts in Preparation

- Vera, Lourdes**. “Whose air counts? Ecologies of tools in the Eagle Ford shale.”
- Vera, Lourdes**. “Military extractivism: The veteran-to-petroleum pipeline and colonial dispossession.”
- Vera, Lourdes**. “Extracting wealth, leaving risk: Mineral rights ownership and the hollowing out of communities in Texas’ oil and gas fields.”
- Vera, Lourdes**, Eric Nost, and Tim Schütz\*. “Embodied data in environmental conservation: From extraction to repair.”
- Vera, Lourdes**, and Isabella Pacenza§. “Environmental data resistance against state-sponsored gaslighting in a time of crisis.”

## AWARDS AND HONORS

|      |                                                                                                                                             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------|
| 2025 | Drescher Award, SUNY/UUP, University at Buffalo.                                                                                            |
| 2022 | Huntington 100 Inductee, Northeastern University.                                                                                           |
| 2021 | Robert Boguslaw Award for Technology and Humanism, ASA Environmental Sociology Section.                                                     |
| 2020 | Outstanding Research Paper Award, Northeastern University.                                                                                  |
| 2019 | Outstanding Research Paper Award, Northeastern University.                                                                                  |
| 2018 | Outstanding Contributions to Public Sociology Award, Northeastern University.                                                               |
| 2017 | Distinguished Contributions to Making and Doing, Society for Social Studies of Science, for the Environmental Data & Governance Initiative. |

## GRANTS AND FELLOWSHIPS

### Awarded

|      |                                                                                                   |
|------|---------------------------------------------------------------------------------------------------|
| 2025 | PI, Robert Wood Johnson Foundation, Community-Based Lead Sampling. \$50,000.                      |
| 2025 | Co-PI, Community Foundation of Greater Buffalo Lead Safe Task Force. \$7,500.                     |
| 2021 | Co-PI, Code for Science and Society Event Grant (with EDGI). \$20,000.                            |
| 2020 | Co-PI, David and Lucile Packard Foundation Grant (with EDGI). \$450,000.                          |
| 2020 | Co-PI, Northeastern University Sociology Summer Research Grant. \$2,000.                          |
| 2019 | Co-PI (with Sara Wylie), Research Development Initiative Grant, Northeastern University. \$5,000. |

### Fellowships

|      |                                                                                              |
|------|----------------------------------------------------------------------------------------------|
| 2020 | Experiential Ph.D. Fellowship, Northeastern University. \$13,250.                            |
| 2019 | Robert and Patricia Switzer Foundation Environmental Fellow. \$15,000.                       |
| 2016 | National Institute of Environmental Health Sciences (NIEHS) T-32 Training Program (3 years). |
| 2015 | Distinguished Dean's Fellowship, Northeastern University (5 years).                          |
| 2012 | New York City Teaching Fellows, Cohort 23.                                                   |

### Applied (Pending, Unfunded, or Declined)

|      |                                                                                                      |
|------|------------------------------------------------------------------------------------------------------|
| 2025 | PI, Sloan Foundation LOI, Blue Hydrogen Life Cycles. \$1,000,000 (unfunded).                         |
| 2024 | PI, Baldy Center for Law and Social Policy Grant, University at Buffalo. \$4,750 (declined).         |
| 2024 | Environmental Justice Data Fund (unfunded).                                                          |
| 2024 | Co-PI, NSF Civic Innovation Challenge (with University of Kansas and Rise4EJ). \$100,000 (unfunded). |
| 2023 | PI, ACLS Digital Justice Development Grant (with EDGI). \$100,000 (unfunded).                        |

## INVITED TALKS

|      |                                                                                                                                                                                                                  |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2026 | "Beyond Love Canal: Cumulative burdens and what communities already know." Toxic Archives: Voices from Love Canal exhibition series, University Archives, Silverman Library, University at Buffalo, Buffalo, NY. |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

- 2025 “Crossing Boundaries: When Code Informs Care.” Panel presentation, American Public Health Association Annual Meeting, Washington, DC.
- 2025 “Soil as Memory: Revealing Historic Air Pollution through Community-Led Soil Sampling.” Panel presentation, American Public Health Association Annual Meeting, Washington, DC.
- 2025 “Rewiring Data Infrastructures to Power Civic Engagement.” Environmental Justice Data and Mapping Symposium, FracTracker Alliance, Houston, TX.
- 2025 “Community-Based Soil Sampling for Civic Engagement.” Building a Lead-Safe and Healthy Future in Western New York Community Summit, hosted by the Buffalo and Erie County Lead Safe Task Force and the UB Lead Research Group, University at Buffalo, Buffalo, NY.
- 2024 “Dismantling Racism in Public Health Practice while Working toward Environmental Justice.” American Public Health Association Annual Meeting, Minneapolis, MN.
- 2024 “Infrastructuring environmental data with care.” DEIJ Seminar Series, National Center for Ecological Analysis and Synthesis (NCEAS), UC Santa Barbara, CA.
- 2024 “Integrating Feminist Ethics of Care and Indigenous Data Sovereignty into Environmental Science.” Ecology Seminar Series, The Pennsylvania State University, State College, PA.
- 2024 “At the Crossroads of Data, Environmental, and Climate Justice.” Center for Science and Society, Columbia University, New York, NY.
- 2023 “Community Empowerment and Environmental Justice.” Global Data Justice Project, Tilburg Institute for Law, Technology, and Society (TILT), Tilburg University, Tilburg, the Netherlands.
- 2023 Keynote, “From Air Monitoring to Environmental Data Justice.” Environmental Data Science Summit, National Center for Ecological Analysis and Synthesis (NCEAS), UC Santa Barbara, CA.
- 2023 “Environmental Justice and the Right to Know.” Earth Science Information Partners Bi-Annual Meeting.
- 2023 Women’s Environmental Leadership Summit, Smithsonian Anacostia Community Museum, Washington, DC.
- 2022 “Civic Air Monitoring and Environmental Data Justice.” Toxic Justice? Epistemic Tension and the Neglected Otherwise in Fenceline Communities, School of Geography, University of Oxford, Oxford, UK.
- 2022 “Envisioning Environmental Data Justice through Air Monitoring in the Eagle Ford Shale Play of Texas.” Risques, crises et sciences humaines et sociales : vers des observatoires inclusifs santé-environnement-travail, Centre de colloques du Campus Condorcet, Paris, France.
- 2020 “Storytelling for Advocacy: Tools for Uncovering Scientific Meaning and Purpose” (with Leslie Alanis). ReclaimingSTEM Institute Workshop.
- 2020 Planet Texas 2050 Resilience Roundtable, Bridging Barriers, University of Texas at Austin, Austin, TX.
- 2020 “Race and Equity Discussion Group: Environmental Data Justice.” Switzer Foundation.
- 2018 “Building a Sentinel Community in Response to Hazards from Oil and Gas Development in Karnes, Texas.” iGLOBES (CNRS / ENS-PSL University / University of Arizona International Research Laboratory, UMI 3157), Tucson, AZ.

- 2018 “Towards an Environmental Data Justice Framework.” Data Justice Conference, Cardiff University, Cardiff, UK.

## CONFERENCE ACTIVITY

### Panels and Workshops Organized

- 2024 Co-organizer, Conservation Data Justice Symposium, Girona, Spain (with Laura Sauls, Rose Pritchard, Eric Nost, Jenny Goldstein, Lauren Drakopoulos, and Dan Brockington).
- 2023 Roundtable on Data Infrastructures for Justice, Digital Scholarship Studio and Network, University at Buffalo (with Kenny Joseph).
- 2023 Co-organizer, Mini-Workshop on Tech Equity and Data Justice, University at Buffalo, hosted by the UB Department of Computer Science and Engineering (with Kenny Joseph).
- 2023 Internal Workshop for UN Environmental Programme on the Protected Planet Database.
- 2022 Organizer and presenter, “Conservation Prioritisation Workshop,” Northumberland, UK (European Research Council funded).
- 2022 Workshop, “Unpacking Our Data with an EDJ Framework,” Bigelow Laboratory for Ocean Sciences.
- 2019 Co-organizer, “Environmental Data Justice: Vision and Values,” EDGI Environmental Data Justice working group.
- 2017 Co-organizer, “Enacting Environmental Data Justice: A Society for Social Studies of Science Pre-Meeting Event,” Northeastern University.

### Papers Presented

- 2024 “Co-Design of Recommendations for Open Data Repositories to Adopt the CARE Principles.” Poster, American Geophysical Union Annual Meeting.
- 2023 “The Shapes of Things: Revising Geometries and Acknowledging Forms of/in/through Territories, Terrains, and Technologies.” Society for Social Studies of Science (4S).
- 2023 “Building Data Infrastructures to Track Environmental Enforcement with Care.” Society for Social Studies of Science (4S).
- 2022 “An Ecosystem of Air Monitoring with [K]/[C]ARE.” Latin American Association of Social Studies of Science and Technology (ESOCITE) / Society for Social Studies of Science (4S).
- 2021 “Developing Publicly Accessible Data Analytic Tools to Understand EPA’s COVID Policy on Environmental Enforcement.” American Geophysical Union Annual Meeting.
- 2020 “Engaging Environmental Data Justice to Conduct Civically Valid Air Monitoring.” Society for Social Studies of Science, Prague.
- 2019 “Responding to the Violent and Extractive Logic of Data Mining with Environmental Data Justice.” Society for Social Studies of Science, New Orleans, LA.
- 2019 “Citizen Science as/in Public Works” (with Garance Malivel and Sara Wylie). Society for Social Studies of Science, New Orleans, LA.
- 2019 “When Data Justice and Environmental Justice Meet.” American Sociological Association Annual Meeting, New York, NY.
- 2018 “Photographic Paper: An Integrated Measure for Community Study of Industrially Produced Corrosive Gases?” Air Sensors International Conference, UC Davis.

2017 “Using Indexical Design and Counter-Mapping.” Society for Social Studies of Science Annual Meeting, Boston, MA.

### **Discussant**

2024 Discussant, “Landed Solidarity: Making Just Futures.” University at Buffalo Humanities Institute.

2023 Presider, “Creative Interventions in Environmental Sociology Theory.” American Sociological Association Annual Meeting.

2019 Discussant, Author Meets Critics: Fleck Prize. Society for Social Studies of Science Annual Meeting.

2019 Discussant, EJxYouth Summit. GreenRoots/EDGI.

### **CAMPUS AND DEPARTMENTAL TALKS**

2025 Harvard T.H. Chan School of Public Health Environmental Justice Graduate Student Club.

2025 Cornell University, undergraduate course in information science.

2024 Tufts University, graduate course in data science.

2023 Guest speaker, Seminar Series in Data Science and Analytics (course), SUNY Buffalo State University.

2022 “Environmental Data Justice and AI/ML.” SSEHRI, Northeastern University.

2020 “Environmental Data Justice.” Humanities Institute Science Studies Research Workshop, University at Buffalo.

2016 “D.I.Y. Visualization of Exposure to Hydrogen Sulfide.” Northeastern University.

2016 “Visualizing Thermal Plumes with Thermal Fishing Bobs.” Boston Civic Media Consortium, MIT.

### **TEACHING EXPERIENCE**

#### **University at Buffalo, SUNY — Undergraduate Courses**

Rhythms of Algorithms (Fall 2025)

Environment and Society (Fall 2022; Spring 2023; Fall 2023; Spring 2024)

Classical Sociological Theory (Fall 2022; Spring 2024)

Prison Ecology (course designed)

#### **University at Buffalo, SUNY — Graduate Courses**

Contemporary Sociological Theory (Fall 2023; Fall 2025)

Rhythms of Algorithms (Fall 2025, cross-listed with undergraduate)

#### **Northeastern University**

Computers and Society (Fall 2020 (TA))

## **GRADUATE STUDENT ADVISING**

### **M.A. / M.S. Thesis Committees**

- 2026 M.S. Thesis Committee Member, Lindsey Martinez, “Disaster, inequality, and overdose risk: The impact of the 2022 Buffalo Blizzard on EMS overdose calls in Erie County,” EEB – Sustainability Track, Department of Environment and Sustainability, UB.
- 2023 M.A. Thesis Committee Member, Stephen Brown, UB Sociology.

### **Ph.D. Dissertation Committees**

- Current Dissertation Committee Member, Anupriya Pandey, UB Sociology.
- 2024 Dissertation Committee Member, Nicole Capozziello, UB Social Work.

## **SERVICE TO PROFESSION**

### **Elected Positions**

- 2025–2027 Chair, Teaching and Mentorship Committee, ASA Environmental Sociology Section.
- 2020–2022 Elected Graduate Student Representative, ASA Environmental Sociology Section.

### **Service Roles and Committees**

- 2025–present Advisory Committee, Rise4EJ, Kansas City.
- 2022–present Advisory Committee, Conservation Data Justice (CONDJUST), Universitat Autònoma de Barcelona, European Research Council.
- 2020–2025 Project Co-Coordinator, Environmental Enforcement Watch, Environmental Data & Governance Initiative.
- 2018–2025 Coordinating/Advisory Committee Member, Environmental Data & Governance Initiative.
- 2018–2020 Coordinator, Environmental Data Justice Working Group, Environmental Data & Governance Initiative.
- 2016–2018 Webmaster and Communications Coordinator, Environmental Data & Governance Initiative.
- 2016–present Charter Member, Environmental Data & Governance Initiative.

### **Manuscript Reviewer**

Big Data and Society; Cambridge Elements; Catalyst; Environmental Justice; Information, Communication & Society; International Journal of Communication; Nature Machine Intelligence; Routledge; Science Communication; Social Currents; The Society for the Study of Social Problems.

## **DEPARTMENTAL AND UNIVERSITY SERVICE**

- 2023–2025 Member, Digital Scholarship Studio and Network, University at Buffalo.
- 2022–present Member, Department of Sociology Graduate Committee, University at Buffalo.
- 2022–present Member, Critical Ecologies Collaborative, University at Buffalo.
- 2022–2024 Faculty Advisor, Medical Students for Sustainability, University at Buffalo.
- 2018–2019 Elected Representative, Committee on Graduate Study, Northeastern University.
- 2016–2018 Member, Intellectual Events Committee, Northeastern University.

## COMMUNITY INVOLVEMENT AND OUTREACH

|              |                                                                                     |
|--------------|-------------------------------------------------------------------------------------|
| 2025–present | Member, Open Buffalo Eco Collective.                                                |
| 2023–present | Board Member, Hostel Buffalo-Niagara.                                               |
| 2023–present | Board Member, Community Canvases.                                                   |
| 2023–present | Member, Clean Air Coalition of Western New York.                                    |
| 2021–present | Co-Lead, Buffalo Community Fridge Network.                                          |
| 2024         | Town Hall on Lead Contamination in Buffalo, Delavan Grider Community Center.        |
| 2023         | “What Is Environmental Justice?” Unitarian Universalist Church of East Aurora.      |
| 2022, 2024   | Fellowship Application Evaluator, Switzer Foundation.                               |
| 2019         | Volunteer, “Chemicals in the Creek,” MIT Media Lab/Northeastern/Chelsea GreenRoots. |
| 2017         | Volunteer, Data Rescue Boston (×2), EDGI/DataRefuge.                                |

## MEDIA COVERAGE

|      |                                                                                                                                                                                                                                                                                                |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2025 | Enking, Molly. “Volunteers are helping save climate data — which teachers rely on — before it’s lost.” NPR All Things Considered, June 5.                                                                                                                                                      |
| 2025 | “Inside the desperate rush to save decades of US scientific data from deletion.” BBC News (also published in Spanish as “La desesperada carrera por salvar décadas de datos sobre el cambio climático y el clima extremo que están siendo borrados por el gobierno de Trump,” BBC News Mundo). |
| 2025 | Quinn, Ryan. “As data goes off-line under Trump, researchers upload backups.” Inside Higher Ed, January 29.                                                                                                                                                                                    |
| 2025 | “Face aux purges d’Elon Musk, les scientifiques américains se mettent «debout pour les sciences».” Radio France Internationale, March 7.                                                                                                                                                       |
| 2025 | “Trump attacks climate science and spreads fear among scientists.” Le Monde, February 18.                                                                                                                                                                                                      |
| 2024 | WKBW Channel 7 News, “‘This is a much bigger infrastructural problem’: High levels of lead found in yards on Buffalo’s East Side.”                                                                                                                                                             |
| 2023 | Epstein, Jonathan D. “Plastics plant proposal faces heat from opponents at Lockport IDA hearing.” Buffalo News, July 14.                                                                                                                                                                       |
| 2023 | Shoemaker, J. Dale. “Company seeking subsidies circulates fake study.” Investigative Post, July 13.                                                                                                                                                                                            |
| 2020 | Longdon, Joycelyn. “Environmental data justice.” The Lancet Planetary Health 4(11):e510–e511.                                                                                                                                                                                                  |
| 2020 | Russell, Adrienne, and Matthew Tegelberg. “Beyond the boundaries of science: Resistance to misinformation by scientist citizens.” Journalism 21(3):327–344.                                                                                                                                    |
| 2018 | “Residentes del sur de Texas afectados por gases de plantas de petróleo y gas.” Noticias Telemundo, February 12.                                                                                                                                                                               |
| 2017 | Cribb, Robert, Patti Sonntag, P.W. Elliott, and Elizabeth McSheffrey. “That rotten stench in the air? It’s the smell of deadly gas and secrecy.” The Toronto Star, October 1.                                                                                                                  |
| 2017 | “Is Saskatchewan ignoring the potentially deadly gas from oil wells?” Global News, October 2.                                                                                                                                                                                                  |

## **RELATED PROFESSIONAL SKILLS**

R and RStudio; ESRI ArcGIS (Pro, StoryMap, Online); QGIS; Adobe Creative Suite; Python; WordPress; NVivo; Dedoose.

## **LANGUAGES**

English: primary.

Spanish: proficient reading; conversational speaking; basic writing.

## **PROFESSIONAL MEMBERSHIPS**

American Sociological Association.

American Association of Geographers.

Society for Social Studies of Science (4S).

## **NON-ACADEMIC WORK**

2012–2015      Science Teacher (grades 9–12), Brooklyn Theatre Arts High School, Brooklyn, NY.  
Earth Science, Chemistry, AP Environmental Science.