



DREW UNIVERSITY  
Environmental Studies, Science & Sustainability

**Lisa Marie Jordan**

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**TEACHING & RESEARCH INTERESTS**

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Geographic Information Systems (GIS); Environmental Justice; Community-Based Learning; Health Geography; Firearms Violence; Digital Humanities; Population Geography; Migration; Spatial Statistics

**EDUCATION**

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- 2006 University of Colorado, Boulder; Department of Geography. Ph.D. in Geography, May 2006.
- 2000 University of Texas at Dallas; School of Social Sciences. Master of Science in Applied Economics, August 2000.
- 1999 University of Texas at Dallas; School of Social Sciences. Bachelor of Science in Economics & Finance, May 1999.

**ACADEMIC POSITIONS**

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- 2012-present Director, Spatial Data Center, Drew University
- 2020-present Associate Teaching Professor, Department of Biology: Environmental Studies and Sustainability Program and Public Health Program
- 2014-2020 Assistant Professor, Department of Biology: Environmental Studies and Sustainability Program and Public Health Program
- 2016-2017 Director, Environmental Studies & Sustainability Program, Drew University
- 2006-2011 Assistant Professor, Department of Geography, Florida State University

**TEACHING EXPERIENCE**

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**Undergraduate Courses**

Advanced GIS  
Geographic Information Systems  
Environmental Justice  
Intersectional Environmentalism  
Medical Geography  
Environment, Society and Sustainability  
Exploring Solutions  
Environmental Economics  
Globalization  
Human Geography

**Graduate Courses - FSU**

Geographic Information Systems  
Social Applications of GIS  
Environmental Justice and GIS  
Medical Geography

**Co-taught**

Beyond Earth Art



## PUBLICATIONS

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### Articles:

Jordan, L, Kalin, J, Dabrowski, D (2020) Characteristics of Gun Advertisements on Social Media: Systematic Search and Content Analysis of Twitter and YouTube Posts. *J Med Internet Res.* 22(3). <https://www.jmir.org/2020/3/e15736/>

Jordan, L (2017) Applying Thiessen Polygon Catchment Areas and Gridded Population Weights to Estimate Conflict-Driven Population Changes in South Sudan. *ISPRS Annals IV-4/W2*, 23-30. <https://doi.org/10.5194/isprs-annals-IV-4-W2-23-2017>

Jordan, L, Stallins, A, Stokes, S, Johnson, E, Gragg, R (2011) Citizen Mapping and Environmental Justice: Internet Applications for Research and Advocacy. *Environmental Justice* 4(3): 155-162.

Jordan, L, et al. (2010) Practical Approaches to Spatial Estimation of Disaster-Affected Populations. *International Journal of Applied Geospatial Research.* 1(3): 31-48.

Jordan, L, Rose R (2010) Population Explorer: Estimate Local Populations Anywhere. *Field Exchange: Emergency Nutrition Network*, 38: 3-5.

Asumda, F, Jordan, L (2009) Minority Youth Access to Tobacco: A Neighborhood Analysis of Underage Tobacco Sales. *Health and Place.* 15:140-147.

Jordan, L (2008) Improving Livelihoods by Improving Access: The Application of Geospatial Technologies to Health Care Accessibility. *Harvard Health Policy Review.* 9: 210-222.

Jordan, L (2007) Religious Adherence and Diversity in the United States: A Geographic Analysis. *Geography of Religion and Belief Systems.* 2: 3-20.

Mennis, J, Jordan, L (2005) The Distribution of Environmental Equity: Exploring Spatial Nonstationarity in Multivariate Models of Air Toxic Releases. *Annals of the Association of Geographers* 95(2): 249-268.

Rogers, A, Jordan, L (2004) Estimating Migration Flows from Birthplace-Specific Population Stocks of Infants. *Geographical Analysis* 36:1-16

### Book Chapters and Reviews:

Jordan, L, Tang, A (2021) Exploring Communication Framing Methods that Link Changes in Air Pollution Exposure and COVID-19 to Promote Post-Pandemic Sustainability Policy. In: Leal Filho W. (eds) COVID-19: Paving the Way for a More Sustainable World. World Sustainability Series. Springer, Cham. [https://doi.org/10.1007/978-3-030-69284-1\\_5](https://doi.org/10.1007/978-3-030-69284-1_5)

Jordan, L (2021) "We are Teachers and Learners Together: Cross-Disciplinary Lessons from the Pilgrim Pipeline Dispute." in *Pipeline Pedagogy: Teaching about Energy and Environmental Justice Contestations*, eds. V. Banschback and J. Rich, AESS Branded Book Series, Springer Nature. <https://doi.org/10.1007/978-3-030-65979-0>

Jordan, L (2011) "Public Health and Geography." *21st Century Geography: A Reference Handbook*, ed. J.P. Stoltman. Thousand Oaks, CA: Sage.



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Jordan, L (2010) Review Essay: Religion and Political Geography in the United States. *Political Geography*.

Jordan, L (2010) Book Review: Strong Women, Dangerous Times: Gender and HIV/AIDS in Africa, E. Kalipeni, K. Flynn, and C. Pope (Eds.), New York: Nova Publishers. *GeoJournal*.

Jordan, L (2010) GIS in Health Research and Health Care. In Barney Warf (ed.) *Encyclopedia of Human Geography*, Thousand Oaks, CA: Sage.

Jordan, L (2010) Medical Geography. In Barney Warf (ed.) *Encyclopedia of Human Geography*, Thousand Oaks, CA: Sage.

Jordan, L (2010) Spatial Data Models. In Barney Warf (ed.) *Encyclopedia of Human Geography*, Thousand Oaks, CA: Sage.

Raleigh, C, Jordan, L. (2009) Climate Change and Migration: Emerging Patterns in the Developing World. In R. Mearns and A. Norton (eds.) *Social Dimensions of Climate Change Equity and Vulnerability in a Warming World*. Washington DC: World Bank:103-131.

*Reports:*

Jordan, L. (2013) "A Comparison of the Functionality and Datasets Available through Population Explorer and Alternative Applications." USAID, Famine Early Warning Systems Network (FEWSNET). Report No. AID-OAA-C-11-00171.

Jordan, L. (2007) "Geo-coding and Census Mapping: Conceptual Framework and Different Approaches." United Nations Expert Group Meeting on Contemporary Practices in Census Mapping and Use of Geographical Information Systems, United Nations, NY. Report No. ESA/STAT/AC115-9. Available at:  
<http://unstats.un.org/unsd/demographic/meetings/egm/CensusMappingEGM07/docs/ESA-STAT-AC.115-9.pdf>

Klein, D, Jordan, L (2001) "Diffusion of Energy Efficient Technologies in the United States: The Case of Compact Fluorescent Light Bulbs." National Renewable Energy Laboratory, Golden, CO.

*Selected Conference Papers or Posters:*

2022 "A Toolkit for Building Community Web Maps and Story Maps: Case Study of Madison Borough - Environmental Resource Inventory (ERI)." Poster Presentation. 34rd Annual NJDEP Mapping Contest, April 15, online. 2nd Place, Educational Map.

2022 "Think Local Act Local: Addressing Wicked Problems through Place-Based Approaches in GIS Education." Meeting of the Association of American Geographers, February 25-March 1. Virtual. \*\*Supported by grant from Project Pericles

2021 "Upstream consequences of firearms and ammunition manufacturing in the United States: A geographical analysis of toxic releases and compliance violations." American Public Health Association Annual Meeting, October 24-27. Denver, CO.

2021 "Good Walk Good Talk." Poster Presentation. 33rd Annual NJDEP Mapping Contest, April 15, online. 1st Place, Educational Map.

2019 "New Jersey Firearms and Public Health: Framework for a Life Cycle Assessment Approach." Poster Presentation. 32<sup>nd</sup> Annual NJDEP Mapping Contest, April 18, Trenton, NJ. 1<sup>st</sup> Place, Educational Map.



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### Environmental Studies, Science & Sustainability

2018 “Guns against Butter: Location-Specific Cases of Food Weaponization.” American Public Health Association Annual Meeting, November 10-14. San Diego, CA.

2018 “Reconceptualizing Sustainable Jersey: Tackling the Urban-Suburban Divide.” Design, Justice & Zero Waste: Exploring Pathways to a Circular Economy, The New School, Tishman Environment and Design Center, May 8&9. NY, NY.

2018 “Where the Only Certainty is Uncertainty: Exploring the Demographics of Displacement in South Sudan.” Population Associations of America, Annual Meeting. Denver, CO.

2018 “Exploring Food Access in Morris County: Interfaith Food Pantry Utilization and the Changing Needs of Elderly and Working Poor Populations.” 31<sup>st</sup> Annual NJDEP Mapping Contest, Trenton, NJ [1<sup>st</sup> Place, Best Instructional Presentation, in collaboration with ESS 382/BIOL 370 Advanced GIS class, Spring 2018, and the Morris County Interfaith Food Pantry].

2017 “Identifying Cultural and Natural Resources along the Pilgrim Pipeline Corridor.” 30<sup>th</sup> Annual NJDEP Mapping Contest, Trenton, NJ [2<sup>nd</sup> Place, Best Story Map; in collaboration with ESS/BIOL 302 GIS class, Fall 2016, Coalitional against the Pilgrim Pipelines, Food and Water Watch, and the Chatham Borough Environmental Commission].

2014 “Beyond Borders: Gridded Demographic Data Sets and Web Mapping Applications for Population, Development, and Environmental Research.” Population Association of America, Annual Meeting. Boston, MA.

2014 “Demographic Data Sources and Web Mapping Applications for New Jersey.” 27<sup>th</sup> Annual NJDEP Mapping Contest, Trenton, NJ [2<sup>nd</sup> Place, Best Instructional Presentation].

2011 “Assessing the Impact of Climate Change on Migration and Conflict.” Presented to the Committee on Climate, Energy, and National Security, Board on Atmospheric Sciences and Climate, National Academy of Sciences. Washington, DC.

2010 “Citizen Mapping and Environmental Justice: Internet Applications for Research and Advocacy.” Meeting of the American Public Health Association, Denver, CO.

2010 “Integrating GIS into Medical Geography and Public Health Curricula.” Meeting of the Association of American Geographers, Washington, DC.

## **OUTREACH**

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2019-2022 Sustainable Madison Advisory Committee, appointed by mayor, advisory committee to Borough of Madison

2016-2022 Humanitarian Data Exchange, contributions by means of the Drew University Organization page:

<https://data.humdata.org/organization/drew-university>

2015-2018 Collaboration with Coalition against the Pilgrim Pipeline, Chatham Environmental Commission, on mapping social and environmental impacts of pipeline construction. See, for example, <http://tinyurl.com/capp-gis>

2014-2015 Lake Hopatcong Foundation, and New Jersey Department of Environmental Protection, State Parks, Partnership with Drew University on Boat Dock Inventory for Lake Hopatcong.



# DREW UNIVERSITY

## Environmental Studies, Science & Sustainability

2013-2015 EPA, Toxic Release Inventory (TRI) University Challenge, Partnership with Drew University.

In 2019 and 2021, I participated in the Drew Digital Humanities Summer Institute (DHSI), and in 2019, I participated in the New Jersey Governor's School in the Sciences.

I collaborate and volunteer with a number of local organizations that I have much affection and appreciation for including: the Morris County Interfaith Food Pantry, the Madison Environmental Commission, and the Madison Alliance on Racial Equity.

I am a member of the American Public Health Association (Environmental Health and Alcohol, Tobacco and Other Drugs Sections), the Association of American Geographers, and the Middle States Association of American Geographers. I am intermittently a participant in the Association for Environmental Studies & Sciences and Population Association of America.