

Megan Lindstrom

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EDUCATION

PhD, Geography

- The Ohio State University, (expected May 2022)
- Topic: Deaths of Despair in Ohio During COVID-19
- Advisor: Dr. Huyen Le

MA, Geography

- The Ohio State University, (May 2018)
- Topic: GIS Analysis of Hospital Onset Clostridium Difficile
- Advisor: Dr. Elisabeth Dowling Root

BA, Geography

- Kansas State University, Summa Cum Laude (May 2016)
- Certificate in Geographical Information Systems, Minor in French
- Advisor: Dr. Shawn Hutchinson

RESEARCH

Graduate Research Assistant

The Ohio State University, 2016- Present
Research: GIS, Public Health, and Epidemiology

GIScience Research Assistant

Kansas State University, 2011-2016
Research: Spatiotemporal Analysis of Climate Change Indicators in Kansas

TEACHING

Teaching Assistant for GEOG2200.01: Mapping Our World

Ohio State University, Spring 2020

- Guest Lecturer in 'Map scales, coordinates, and projection' and 'Real World GIS Applications,' graded labs and exams

Teaching Assistant for Transportation Geography

Ohio State University, Fall 2019

- Guest Lecturer in Network Analysis, led study sessions, and graded exams

Instructor for Geographic Fieldwork

Ohio State University STEP Program, Spring 2019

- Covered content regarding undertaking fieldwork with a geographic lens

Guest Lecturer for Advanced Spatial Data Analysis

Ohio State University, March 2018

- Taught a lecture on kriging techniques

Teaching Assistant for Biological Anthropology

Kansas State University, 2014-2016

- Taught several lab sections per week, conducted study sessions with students, graded exams and assignments

REFEREED PUBLICATIONS

- 2020 Root, E., **Lindstrom, M.**, Xie, A., Mangino, J., Moffatt-Bruce, S., & Hebert, C. (2020). Investigating the association of room features with healthcare-facility-onset *Clostridioides difficile*: An exploratory study. *Infection Control & Hospital Epidemiology* (2020): 1-6. <https://doi.org/10.1017/ice.2020.1307>
- 2020 **Lindstrom, M.**, Miller, H., Hebert, C., Moffatt-Bruce, S., Dowling Root, E. *Spatial and Network Analysis of Hospital-Onset Clostridium Difficile Infection. Health Information & Libraries Journal* 37.1 (2020): 26-34. <https://doi.org/10.1111/hir.12274>
- 2019 Humphrey, J., **Lindstrom, M.**, Barton, K., Shrestha, P., Carlton, E.J., Adgate, J., Miller, S., Dowling Root, E. *Social and Environmental Neighborhood Typologies and Lung Function in a Low-Income, Urban Population. International journal of environmental research and public health* 16.7 (2019): 1133. <https://doi.org/10.3390/ijerph16071133>
- 2019 **McHaney-Lindstrom, M.**, Hebert, C., Flaherty, J., Mangino, J., Moffatt-Bruce, S., Dowling Root, E. *Analysis of Intra-hospital Transfers and Hospital-onset Clostridium difficile Infection. The Journal of hospital infection* 102.2 (2019): 168. <https://doi.org/10.1111/hir.12274>
- 2018 McHaney, R., Reychav, I., Zhu, L., & **McHaney - Lindstrom, M.** *Conceptual Modeling in a Cardiac Patient Survival Simulation. Operations research for health care* 19 (2018): 57-65. <https://doi.org/10.1016/j.orhc.2018.03.002>

Manuscripts in Review

- 2021 Norris Turner, A., Kline, D., Norris, A., Phillips, G., Root, E., Wakefield, J., Li, Z., Lemeshow, S., Spahnie, M., Luff, A., Chu, Y., Francis, M.K., Gallo, M., Chakraborty, P., **Lindstrom, M.**, Lozanski, G., Miller, W., Clark, S. *Prevalence of current and past COVID-19 in Ohio adults*
- 2021 Root, E., **Lindstrom, M.**, Benedict, J., Kline, A., Hebert, C., Lemeshow, S., Gabbe, S. *A multidimensional measure of the social determinants of health for state policymakers: The Ohio Opportunity Index*
- 2021 Groner, J. A., Nicholson, L., Bauer, J.A., Huang, H., **Lindstrom, M.**, Root, E. *Exposure to Air Pollution and Vascular Endothelial Progenitor Cells in Young Children – A Pilot Project*

PROFESSIONAL PRESENTATIONS

PRESENTATIONS

East Lakes Division of the American Association of Geographers Meeting, October 2018

Network Analysis of Intra-Hospital Transfers and Hospital-Onset Clostridium Difficile Infection
Megan Lindstrom, MA, Ohio Northern University, Alda, OH

Wexner Medical Center CDI Meeting, June 2018

Intra-Hospital Transfers and increased risk of Hospital-Onset Clostridium Difficile Infection
Megan McHaney-Lindstrom, MA, The Ohio State University, Columbus, OH

POSTERS

Academy Health, Seattle Washington June 2018

Creating a Hospital GIS to Evaluate the Association of Room Characteristics with Risk of Hospital-Onset Clostridium Difficile Acquisition
Elisabeth Root, PhD, Megan McHaney-Lindstrom, MA, and Courtney Hebert, MD, MS, The Ohio State University, Columbus, OH

AAG Bi-Regional Conference, Albuquerque NM October 2014

Spatiotemporal Analysis of Growing Season Length and Freeze Dates as a Measure of Climate Change for Agricultural Producers in Kansas

Megan McHaney¹, J.M. Shawn Hutchinson¹, and Anandhi Swamy²

¹Department of Geography, Kansas State University; ²Department of Agronomy, Kansas State University

Award Received for Outstanding Undergraduate Poster Presentation

ADDITIONAL PROFESSIONAL EXPERIENCE

Data Coordinator

HEALing Communities Study, 2020-Present

- Coordinate data-related activities for the HEALing Communities Study in Hamilton County, Ohio

GIS Internship

Kansas Department of Agriculture, 2015-2016

- Created a web application to report animal medical emergencies that could have adverse effects on Kansas agriculture

GIS Internship

Koch Industries, Summer 2014

- Created maps for pipelines within the USA and kept track of assets and acquisitions in a digital database

GRANTS

Excellence in Undergraduate Research Grant (\$500)

Kansas State University College of Arts and Sciences, 2015

Research: *Spatiotemporal Analysis of Climate Change Indicators in Kansas*

SERVICE

Graduate Geography Organization Secretary

The Ohio State University, 2018-2019

- Provide and distribute meeting notes to the Geography Department

Graduate Geography Organization Social Chair

The Ohio State University, 2017-2018

- Organize social events within the Geography Department

PROFESSIONAL DEVELOPMENT

SaTScan for Spatial and Space-Time Cluster Detection, 2021

- American Association of Geographers, Michael Desjardins

Bayesian Disease Mapping, 2018

- Medical University of South Carolina, Andrew Lawson

Teaching Orientation, 2016

- The Ohio State University, University Center for the Advancement of Teaching (UCAT)

Introduction to SAS Workshop, 2016

- The Ohio State University, Research Methodology Center (RMC)

ORGANIZATIONS

Association of American Geographers

Phi Beta Kappa

Pi Delta Phi

Gamma Theta Upsilon

Graduate Geography Organization

AWARDS AND HONORS

Fenburr Travel Scholarship for Outstanding Graduate Students	2020
Jacques May Thesis Prize	2019
Kansas State University Foundation Plus Scholarship	2012 - 2016
Kansas State University Seyler Undergraduate GiScience Scholarship	2015
AAG Outstanding Undergraduate Poster Presentation	2014
Kansas State University Robert H. Williams Geography Scholarship	2014
Kansas State University Sophomore Phi Beta Kappa Book Award	2014
Kansas State University Self Huber Geography Scholarship	2013

ADDITIONAL SKILLS

Languages

- English (Native), French (fluent)

Coding

- R, SAS, Stata, Python, JavaScript, HTML

Software

- ArcGIS, SaTScan, NetLogo, SketchUp, Tableau Microsoft Office Suite