

Academic Appointments

Dec 2022–	Senior Lecturer in Health Science Statistics School of Public Health and Community Medicine Institute of Medicine, Sahlgrenska Academy University of Gothenburg, Sweden
Jan 2020–Nov 2022	Postdoctoral Scholar Center for Spatial Data Science, University of Chicago Supervisors: Drs. Marynia Kolak and Luc Anselin

Academic Qualifications

May 2026	Docent (Associate Professor) in Health Science Statistics Sahlgrenska Academy, University of Gothenburg
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Education

2019	Ph.D. in Measurement and Quantitative Methods College of Education Michigan State University, MI, U. S. (with Erickson Research Fellow Award) Committee: Drs. Kenneth A. Frank (chair), Spyros Konstantopoulos, Spiro J. Maroulis (Arizona State University), Amy K. Nuttall, and Jeffrey M. Wooldridge Dissertation: <i>Quantifying strength of evidence in education research: accounting for spillover, heterogeneity, and mediation</i>
2014	M.S. in Welfare Policies and Management Lund University, Lund, Sweden (fully funded by EMEA scholarship) Thesis: <i>Downward transfers from parents to adult children in contemporary China</i>
2012	B.A. in International Politics Fudan University, Shanghai, China (National Scholarship of China)

Research Interests

Quantitative Methods, Causal Inference, Spatial Epidemiology, Social Determinants of Health, Health and Education Disparities.

Google Scholar Page: <https://scholar.google.com/citations?user=rn43UskAAAAJ&hl=en>

Publications

Equal Authorship

Peer-Reviewed Journal Articles

1. Hoang, T., Alvarez, G., Nguyen, N., Adermark, & **Lin, Q.** (Accepted). Advanced readiness to quit smoking among people living with HIV enrolled in a smoking cessation trial in Hanoi, Vietnam: associations with risk perception, self-efficacy, and social norms. *Tobacco Use Insights*.
2. Frank, K. A., **Lin, Q.**, Maroulis, S. J. (Accepted). Cornfield's Pragmatic Contribution to Policy Discourse: Continued. *Observational Studies*.
3. Knaeble, B., **Lin, Q.**, Kummerfeld, E., Frank, K. A. (Accepted). Sensitivity Analysis of the Consistency Assumption. *Observational Studies*.
4. Frank, K. A., **Lin, Q.**, Maroulis, S. J., Choi, J., Dai, S., Jess, N., Lin, H., Liu, Y., Maestrales, S., Searle, E., & Tait, J. (2026). Quantifying Sensitivity to Selection on Unobserved Covariates: Recasting the Coefficient of Proportionality within a Correlation Framework. *Journal of Educational and Behavioral Statistics*. <http://10.3102/10769986261422704>
5. Cher, B. A., **Lin, Q.**, Frank, K. A., Maloney, J. D., Balentine, C. J., & Axtell, A. L. (2026). Can the CALGB 140503 Trial Support Choice of Segmental versus Wedge Resection for Non-Small Cell Lung Cancer?. *JTCVS Open*. <https://doi.org/10.1016/j.xjon.2026.101874>
6. **Lin, Q.**, Bonander, C., & Strömberg, U. (2026). A Bayesian Bivariate Spatial Modeling Framework for Stage-Specific Cancer Incidence and Targeting of Screening Efforts. *American Journal of Epidemiology*. <https://doi.org/10.1093/aje/kwag106>
7. **Lin, Q.**, Frank, K. A., & Maroulis, S. J. (2026). Application of sensitivity analysis for teacher effectiveness evaluation in the context of accountability. *Journal of Research on Educational Effectiveness*. <https://doi.org/10.1080/19345747.2026.2658056>
8. Cher B. A., **Lin, Q.**, Marten, E. M., Thornton, M., Chiu, A., Elfenbein, D., Holoubek, S., Long, K., Schneider, D. F., Sippel, R. S., Soe, K., Frank, K. A., Balentine, C. J. (2026). Using Sensitivity Analysis to Evaluate the Fracture Benefit of Parathyroidectomy. *Surgery*. <https://doi.org/10.1016/j.surg.2026.110222>
9. Morrison Thomas, C., Covitt, B. A., **Lin, Q.**, Marshall, S., Hancock, J. B., & Anderson, C. W. (2026). Teachers' pedagogical reasoning and students' three-dimensional learning. *Science Education*. <http://doi.org/10.1002/sce.70070>

10. Cher, B. A., **Lin, Q.**, Frank, K. A., Weber, S. M., Minter, R. M., Balentine, C. J., & Zafar, S. N. (2026). Assessing the Evidence for Neoadjuvant Chemotherapy in Patients with Resectable Pancreatic Adenocarcinoma Using the Robustness of Inference to Replacement. *Annals of Surgical Oncology*, 1-4. <https://doi.org/10.1245/s10434-026-19443-1>
11. Zhou, L., Åberg, D., **Lin, Q.**, Bonander, C., & Strömberg, U. (2026). Geo-mapping of caries and obesity in preschool children: a Swedish register-based study. *BMC Oral Health*. <https://doi.org/10.1186/s12903-026-07783-z>
12. Dahlstrand, J., **Lin, Q.**, Friberg, P., Fridolfsson, J., & Chen, Y. (2025). Physical activity partially mediating the social gradient in adolescent mental health. *Frontiers in Public Health*, 13, 1622080. <https://doi.org/10.3389/fpubh.2025.1622080>
13. **Lin, Q.**, Hunsberger, M., Klingberg, S., Henauf, S., Hebestreit, A., Lauria, F., Mazur, A., Moreno, L., Noémi, K., Pigeot, I., Tornaritis, M., Veidebaum, T., & Lissner, L. (2025). Physical, mental and behavioral health indicators in relation to academic performance in European boys and girls: the I.Family study. *BMC Public Health* 25, 2176. <https://doi.org/10.1186/s12889-025-23578-3>
14. Lyu, W., Chen, X., Miao, C., **Lin, Q.**, Xiang, X., Zhang, G., & Xu, R. (2025). Revisiting the modified Retail Food Environment Index (mRFEI): examining food access inequities over a decade in the United States. *Discover Public Health*, 22(1), 1-10. <https://doi.org/10.1186/s12982-025-00704-5>
15. **Lin, Q.**, Chen, X., Xiang, X., Lyu, W., Miao, C., Zhang, G., & Xu, R. (2025). Association of activity-based food environment index with obesity-related cancer mortality in the US. *BMC medicine*, 23(1), 167. <https://doi.org/10.1186/s12916-025-03967-6>
16. Xue, Y., Poghosyan, L., & **Lin, Q.** (2024). Supply and Geographic Distribution of Geriatric Physicians and Geriatric Nurse Practitioners. *JAMA Network Open*, 7(11), e2444659-e2444659. <https://doi:10.1001/jamanetworkopen.2024.44659>
17. Lindholm, A., **Lin, Q.**, Hebestreit, A., Lissner, L., Papoutsou, S., & Hunsberger, M. (2024). Early milk cereal drink consumption correlated with rapid weight gain but not with subsequent adiposity. *Acta Paediatrica*. <https://doi.org/10.1111/apa.17515>
18. Tatara, E., **Lin, Q.**, Ozik, J., Kolak, M., Collier, N., Halpern, D., Anselin, L., Dahari, H., Boodram, B., & Schneider, J. (2024). Spatial inequities in access to medications for treatment of opioid use disorder highlight scarcity of methadone providers under counterfactual scenarios. *PLoS computational biology*. <https://doi.org/10.1371/journal.pcbi.1012307>
19. Narvaiz., S. #, **Lin, Q.** #, Rosenburg, J. M. #, Frank, K. A., Maroulis, S. J., Wang, W., Xu, R. (2024). konfound: An R Sensitivity Analysis Package to Quantify the Robustness of Causal Inferences. *The Journal of Open Source Software*. <https://doi.org/10.21105/joss.05779>
20. **Lin, Q.**, Aguilera, J., Williams, L., Mackesy-Amiti, M., Latkin, C., Pineros, J., Kolak, M., & Boodram, B. (2023). Social-spatial network structures among young urban and suburban persons who inject drugs in a large metropolitan area. *International Journal of Drug Policy*. <https://doi.org/10.1016/j.drugpo.2023.104217>
21. Covitt, B. A., de los Santos, E. X., **Lin, Q.**, Morrison Thomas, C., & Anderson, C. W. (2023). Instructional practices in secondary science: How teachers achieve local and standards-based success. *Journal of Research in Science Teaching*. <https://doi.org/10.1002/tea.21869>

22. Joudrey, P. J., Halpern, D., **Lin, Q.**, Paykin, S., Mair, C., & Kolak, M. (2023). Methadone prescribing by addiction specialists likely to leave communities without available methadone treatment. *Health affairs scholar*. <https://doi.org/10.1093/haschl/qxad061>
23. **Lin, Q.**, Nuttall, A. K., Zhang Q., & Frank, K. A. (2023). How do unobserved confounding mediators and measurement error impact estimated mediation effects and corresponding statistical inference? Introducing the R package ConMed for sensitivity analysis. *Psychological Methods*. <https://doi.org/10.1037/met0000567>.
24. Frank, K. A., **Lin, Q.**, Xu R., Maroulis S. J., & Mueller, A. (2022). Quantifying the robustness of causal inferences: Sensitivity analysis for pragmatic social science. *Social Science Research*. <https://doi.org/10.1016/j.ssresearch.2022.102815>
25. Kim, J., Salloum, S., **Lin, Q.**, Hu, S. (2022). Ambitious instruction and student achievement: evidence from early career teachers and the TRU Math observation instrument. *Teaching and Teacher Education*. <https://doi.org/10.1016/j.tate.2022.103779>
26. **Lin, Q.**, Kolak, M., Watts, B., Anselin, L., Pollack, H., Schneider, J., & Taylor, B. (2022). Individual, interpersonal, and neighborhood measures associated with opioid use stigma: Evidence from a nationally representative survey. *Social Science & Medicine*. <https://doi.org/10.1016/j.socscimed.2022.115034>
27. Joudrey, P., Kolak, M., **Lin, Q.**, Paykin, S., Anguiano, V., & Wang, E. A. (2022). Assessment of community-level vulnerability and access to medications for opioid use disorder. *JAMA Network Open*. 5(4): e227028. <https://doi.org/10.1001/jamanetworkopen.2022.7028>
28. **Lin, Q.**, Paykin, S., Halpern, D., Crucetta, A., & Kolak, M. (2022). Assessment of structural barriers and racial group disparities of COVID-19 mortality with spatial analysis. *JAMA Network Open*. 5(3): e220984. <https://doi.org/10.1001/jamanetworkopen.2022.0984>
29. Frank, K. A., **Lin, Q.**, Maroulis S. J., Strassman, A., Xu R., Rosenberg J., Hayter, C., Mahmoud, R., Kolak, M., & Dietz, T. (2022). Response to “Three Comments on the RIR method.” *Journal of Clinical Epidemiology*. <https://doi.org/10.1016/j.jclinepi.2022.01.020>
30. **Lin, Q.**, Frank, K. A., Bathia, S., Draney K., Thomas, J., & Anderson C. W. (2022). Factors affecting students’ learning from a design-based implementation research project in diverse education systems. *Journal of Research in Science Teaching*, 1–33. <https://doi.org/10.1002/tea.21745>
31. Song, Y., **Lin, Q.**, Kwon, K. H., Choy, C. H. Y., & Xu, R. (2022). Contagion of offensive speech online: An interactional analysis of political swearing. *Computers in Human Behavior*.¹ <https://doi.org/10.1016/j.chb.2021.107046>
32. Schneider, J., Taylor, B., Hotton, A., Lamuda, P., Ozik, J., **Lin, Q.**, Flanagan, E., Pho, M., Kolak, M., Brewer, R., Bather, J., & Pollak, H. (2021). National variability in Americans’ COVID-19 protective behaviors: Implications for vaccine roll-out. *PLOS ONE*. <https://doi.org/10.1371/journal.pone.0259257>
33. Kolak, M., Chen, Y. T., **Lin, Q.**, & Schneider, J. (2021). Social-spatial network structures and community ties of egocentric sex and confidant networks: A Chicago case study. *Social Science and Medicine*. <https://doi.org/10.1016/j.socscimed.2021.114462>

¹ Awarded 2020 Top Conference Paper by the International Communication Association

34. Halpern, D., **Lin, Q.**, Wang, R., Yang, S., Goldstein, S., & Kolak, M. (2021). Dimensions of uncertainty: A spatiotemporal review of five COVID-19 datasets. *Cartography and Geographic Information Science*. <https://doi.org/10.1080/15230406.2021.1975311>
35. Kolak, M.#, Li, X.#, **Lin, Q.#**, Wang, R., Menghaney, M., Yang, S., & Anguino, V. (2021). The US COVID atlas: A dynamic cyberinfrastructure surveillance for interactive exploration of the pandemic. *Transaction in GIS*. <https://doi.org/10.1111/tgis.12786>
36. Frank, K. A. #, **Lin, Q.#**, Maroulis S. J.#, Strassman, A.#, Xu R., Rosenberg J., Hayter, C., Mahmoud, R., Kolak, M., & Dietz, T. (2021). Hypothetical case replacement can be used to quantify the robustness of trial results. *Journal of Clinical Epidemiology*, 134, 150–159. <https://doi.org/10.1016/j.jclinepi.2021.01.025>
37. Covitt, B. A., Parker, J. M., Kohn, C., Lee, M., **Lin, Q.**, & Anderson, C. W. (2021). Understanding and responding to challenges students face when engaging in carbon cycle pool-and-flux reasoning. *The Journal of Environmental Education*, 52(2), 98–1117. <https://doi.org/10.1080/00958964.2020.1847882>
38. Anderson, C. W., de los Santos, E. X., Bodbyl Roels, S., Covitt, B., Edwards, K. D., Hancock, J. B., **Lin, Q.**, Morrison Thomas, C., Penuel, W., & Welch, M. (2018). Designing educational systems to support enactment of the next generation science standards. *Journal of Research in Science Teaching*, 55(7), 1026–1052. <https://doi.org/10.1002/tea.21484>

Book Chapters, Reports & Preprints

39. Xu, R., & **Lin, Q.** (2026). A Social-Spatial Network Approach to Characterize Social Determinants of Health in Syndemics Research within an Intersectionality Framework. In: Kolak, M.A., Moise, I.K. (eds) *Place and the Social-Spatial Determinants of Health. Global Perspectives on Health Geography*. Springer, Cham. https://doi.org/10.1007/978-3-031-88463-4_15
40. Frank, K. A., **Lin, Q.**, & Maroulis, S. (2025). Causal Inferences From Observational Studies in Education Policy: Toward Pragmatic Social Science. In L. Cohen-Vogel, P. Youngs, & J. Scott (Eds.), *Handbook of Education Policy Research* (2nd edition, pp. 479–510). American Educational Research Association. <https://doi.org/10.2307/jj.31510356.28>
41. **Lin, Q.#**, Maroulis, S.#, Rosenberg, J. M.#, Frank, K. A., Xu, R., Mueller, A. S., & Dietz, T. (2022). *Robustness of inference to replacement using the konfound R package*. <https://10.13140/RG.2.2.29372.72329>
42. Frank, K., **Lin, Q.**, Maroulis, S., Dai, S., Jess, N., Lin, H. C., Liu, Y., Maestrales, S., Searle., E., & Tait, J. (2022). Improving Oster's δ^* : Exact Calculation for the Coefficient of Proportionality Without Subjective Specification of a Baseline Model. Available at SSRN: <https://ssrn.com/abstract=4305243> or <http://dx.doi.org/10.2139/ssrn.4305243>
43. Paykin, S., Menghaney, M., **Lin, Q.**, & Kolak, M. (2021). *Rural, Suburban, Urban Classification for Small Area Analysis*. <https://doi-org/10.13140/RG.2.2.25148.16009>
44. Busenbark, J., Frank, A. K., Maroulis, S., Xu, R., & **Lin, Q.** Quantifying the robustness of empirical inferences in strategic management: The impact threshold of a confounding variable and robustness of inference to replacement. In Hill, A. D., Le, J. K., McKenny, A. F., O'Kane, P.,

Paroutis, S., and Smith, A. D. (Ed.) (2021). *Research in Times of Crisis (Research Methodology in Strategy and Management, Vol. 13)*. (123–150). Emerald Publishing Limited, Bingley.
<https://doi-org/10.1108/S1479-838720210000013010>

45. Penuel, W. R., ***Lin, Q.**, *de los Santos, E. X., *Marshall, S. L., Anderson, C. W., & Frank, K. A. Building networks to support implementation of science curriculum in the *Carbon TIME* project. In Yoon, S. A., & Baker-Doyle, K. J. (Eds.). (2018). *Networked by design: Interventions for teachers to develop social capital* (196–214). Routledge.

Statistical Packages, Applications, and Web-based Publications

Lin, Q., Frank, K. A., Nuttall, A., Zhang Q. (2021). ConMed: R module to quantify robustness of causal mediation inferences to a confounding mediator. <https://github.com/linqinyu/ConMed>

Kolak, M., **Lin, Q.**, Paykin, S., Menghaney, M., & Li, A. (2021, May 11). GeoDaCenter/opioid-policy-scan: Opioid Environment Policy Scan Data Warehouse (Version v0.1-beta). Zenodo. <http://doi.org/10.5281/zenodo.4747876>

Li, X., **Lin, Q.**, Kolak, M., Martin, R., Yang, S., Menghaney, M., Israel, A., Wang, R., Anguiano V., Abbott, E., Halbern, D., & Mao, S. (2020, October 12). GeoDaCenter/covid: beta (Version beta). Zenodo. <http://doi.org/10.5281/zenodo.4081869>

Kolak, M., Menghaney, M., Li, A., **Lin, Q.** (2020). Opioid environment toolkit. Zenodo: <http://doi.org/10.5281/zenodo.4248258>

Rosenberg, J. M., Xu, R., **Lin, Q.**, & Frank, K. A. (2020). KONFOUND: R module to quantify robustness of causal inferences. <https://github.com/konfound-project/konfound>. <http://konfound-it.com/>.

Conference Presentations

+ *Virtual presentation*

1. **Lin, Q.**, Strömberg, U., & Bonander, C. (2026, June). *Modeling Joint Spatial Vulnerability and Non-Additive Co-occurrence: A Bayesian Bivariate Framework for Syndemic Health Processes*. Paper presented at GeoMED, Pamplona (Spain).
2. **Lin, Q.** (2025, July). *Testing the Impossible? Advanced Sensitivity Analyses for Management Research*. Panelist presentation at the Academy of Management (AOM) Annual Meeting, Copenhagen, Denmark.
3. Xu, R., & **Lin, Q.** (2024, April). *A social-spatial network approach to characterize social determinants of health in syndemics research within an intersectionality framework*. Paper presented at the American Association of Geographers (AAG) Annual Meeting, Hawaii, HI.

4. **Lin, Q.**, Frank, K. A., Xu, R. (2023, June) *Non-parametric sensitivity analysis for causal mediation analysis*. Paper presented at Society for Epidemiologic Research (SER) Conference, Portland, OR.
5. **Lin, Q.**, Rojas, J., Mackesy-Amity, M., Pinerros, J., Williams, L., Kolak, M., & Boodram, B. (2022, June) *Social-spatial network structures among young urban and suburban persons who inject drugs: A case study in Chicago*. Paper presented at Society for Epidemiologic Research (SER) Conference, Chicago, IL.
6. **Lin, Q.**, Paykin, S., & Halpern, D, Crucetta, A., & Kolak, M. (2021, November) *Spatial and racial group disparities of COVID-19 mortality: an exploratory spatial analysis to understand dimensions of structural factors*. Paper presented at the Annual North American Meetings of the Regional Science Association International, Denver, CO.
7. + **Lin, Q.**, Watts, B., Kolak, M., Anselin, L., Pollack, H., Schneider, J., & Taylor, B. (2021, June). *Association of opioid use disorder related stigma and access to OUD medication in a nationally represented survey*. Poster presented at Academy Health Annual Research Meeting.
8. + **Lin, Q.**, Kolak, M., & Liang, Y. (2021, April). *Mapping historical and ongoing spatial inequities in access to medications for opioid use disorder: A 40-year longitudinal analysis*. Paper presented at the American Association of Geographers.
9. + Frank, K.#, **Lin, Q.#**, Maroulis, S.#, Rosenberg, J.#, Xu, R.# (2020, December). *Quantifying the Robustness of Causal Inference for Treatment Effects on Dichotomous Outcomes*. Poster presented at the Society of Epidemiologic Research.
10. + Frank, K., **Lin, Q.** (2020, November). *Discussing the strength of evidence in terms of conditions and context of people and organizations: Special applications for K-12 education*. Invited talk at the 2020 Virtual Conference for Michigan Education Research Association.
11. + Ozik, J., Kolak, M., **Lin, Q.**, Dahari, H., Boodram, B., Schneider, J., Tatara, E., & Collier, N. (2020, October). *Measuring spatial inequities in access to opioid use disorder treatment for reducing HCV transmissions*. Poster presented at the Addition Health Services Research Conference.
12. + Frank, K., **Lin, Q.**, & Maroulis, S. (2020, August). *How many patients must have different outcomes to change your inference? Assessing clinical uncertainty in randomized controlled trials during COVID-19*. Paper presented at the R Medicine Conference.
https://www.youtube.com/watch?v=W65PGQg5GI1&t=14s&ab_channel=RConsortium
13. **Lin, Q.**, Frank, K. A., & Anderson, C. W. (2019, April). *What factors affect students' learning through Carbon TIME?* A paper presented as part of a paper set "Achieving Three-dimensional Learning in Diverse Classrooms" at the National Association for Research in Science Teaching Annual Conference, Baltimore, MD.
14. **Lin, Q.**, & Frank, K. A. (2019, March). *Characterizing the potential bias due to peer effects in value-added*. Paper presented at the Association for Education Finance and Policy Annual Conference, Kansas City, MO.
15. **Lin, Q.**, Nuttall, A., & Frank, K. A. (2018, September). *Sensitivity analysis for mediation effects in longitudinal designs*. Poster presented at the Developmental Methods Conference, Whitefish, MT.
16. **Lin, Q.**, & Frank, K. A. (2018, March). *Characterizing the uncertainty of value-added*. Paper presented at the Association for Education Finance and Policy Annual Conference, Portland, OR.
17. **Lin, Q.**, Frank, K. A. (2017, June). *How do "weights" affect clustering?* A paper presented at the XXXVII Sunbelt Conference of the International Network for Social Network Analysis, Beijing,

China.

18. **Lin, Q.**, Penuel, W. R., Frank, K. A. (2017, April). *Using survey data to measure teaching practices and network effects in Carbon TIME*. A poster presented at the National Association for Research in Science Teaching (NARST) Annual Conference in Baltimore, MD.

Grants, Fellowships, & Awards

Current & Previous External Grants

2026-2027	Pedagogical grant for AI-supported academic literacy and methodological competence in early Master's education in biostatistics. Sponsor: Sahlgrenska Academy, University of Gothenburg. Role: PI Awarded: 30,000 SEK
2020–2023	The U.S. COVID-19 Atlas: Assisting Vulnerable Communities to Detect and Respond to COVID-19 Hotspots (Phase I and II). Sponsor: Robert Wood Johnson Foundation. PI: Marynia Kolak Role: Co-PI Awarded: 800,000 USD

Fellowships and Scholarships

2019	Dissertation Completion Fellowship
2019	The Anderson-Schwille Endowed Fellowship in International Education
2017	Summer Research Fellowship, College of Education, Michigan State University
2017	Fellowship to Enhance Global Understanding (FEGU): Cuba
2015–2019	Erickson Research Fellow Award, Michigan State University
2012–2014	Erasmus Mundus Europe Asia Scholarship (fully funded my master's degree)
2010	Leo KoGuan Scholarship (ranked No.2 out of 124), Fudan University, China
2009	National Scholarship of China (ranked No.2 out of 124), Fudan University, China

Honors and Awards

2021	Society for Research on Educational Effectiveness (SREE) Researchers of Color Mentor Travel Award
2021	American Association of Geographers Health Data Visualization Contest Award (received for “The US COVID Atlas” tool)

Teaching Experience

Teaching

2022–	Instructor, Gothenburg University in health science statistics courses STA210 Causal inference (Course leader) SM00133 Regression methods 2: logistic and Cox regression (Course leader) MGH311 Applied Epidemiology and Biostatistics (spatial epidemiology week) MGH102 Quantitative and qualitative methods (biostatistics part) MPH221 Epidemiology and biostatistics (biostatistics part) SFUOBL4 Introduction to research theory and quantitative and qualitative design (seminars)
2023	Co-Instructor, Society for Epidemiologic Research Annual Meeting 2023 Workshop: Intro to Spatial Analysis & GIS for Spatial Epidemiology in R Instruct with Dr. Marynia Kolak
2021	Guest Lecturer, Michigan State University “How do unobserved confounding mediators and measurement error impact estimated mediation effects and corresponding statistical inferences” for course: Analytical Strategies for Observational Studies (Instructor: Dr. Zhehui Luo)
2021	Instructor, The University of Chicago Workshop: Developing Spatial Access Metrics
2021	Guest Lecturer, The University of Chicago “Package Development in R” for course: Geographic Information Science III (Instructor: Dr. Marynia Kolak)
2020	Certified Data Carpentry Instructor • <u>Instructor, Online Data Carpentry Workshop, Social Science with R, Spelman College jointly hosting with Morehouse College (Dec 2020)</u> • <u>Helper, Online Data Carpentry Workshop, Institute for Tribal Environmental Professionals (Nov 2020)</u>
2020	Co-Instructor, University Consortium for Geographic Information Science (UCGIS) Instruct with Dr. Marynia Kolak and Ms. Moksha Manghaney “Intro to Spatial Analysis in R”
2019	Teaching Assistant for Dr. Kenneth A. Frank, University of Michigan “An Introduction to Graphical Methods in Social Network Analysis” • Prepared materials and presented on how to visualize networks in RStudio

- 2018 **Teaching Assistant** for Dr. Kenneth A. Frank, University of Michigan-Peking University Joint Institute
 “General Designs and Sensitivity Analysis for Causal Inference”
- Presented applications of sensitivity analyses and assisted the professor with lessons.
 - Explained causal inference designs to 40 students in an introductory level course.
 - Evaluated homework and papers and held lab sessions to ensure students understand concepts.

Student Supervision & Mentoring

Doctoral Students

- 2025–2026 Thanh Hoang, Main supervisor.
 2026– Melissa Mjöberg, Co-supervisor.

Master Thesis Supervision

- 2026 Christelle Mae Dacalus, Global Health, University of Gothenburg
 2022 Alana LaBelle-Hahn, Computational Social Science, University of Chicago

Mentor

- 2020–2022 **Mentor**, Healthy Regions & Policies Lab, Center for Spatial Data Science, University of Chicago
- Mentored 5 undergraduate and graduate research assistants on multiple projects

Professional Service

- 2021 Co-organizer, [Symposium of Intersectionality & Public Health](#)

PhD Examination

- 2024 Half-time PhD examination for Khin Thiri Maung, University of Gothenburg
 2023 Half-time PhD examination for Johan Dahlstrand, University of Gothenburg

Editorial and Peer Review Activities

- 2024– Member, Early Career Editorial Board (ECEB), *Wellbeing, Space and Society*
 2024 Ad Hoc Proposal Reviewer, U. S. National Science Foundation (NSF)

Journal reviewer:

AERA Open
 American Journal of Preventive Medicine
 Communications in Statistics

Computers in Human Behavior
 Educational Evaluation and Policy Analysis
 Educational Researcher
 Epidemiologic Methods
 Health and Place
 International Journal of Environmental Research and Public Health
 International Social Science Journal
 JAMA Network Open
 Journal of Data Science
 Journal of Maps
 Journal of Medical Internet Research
 Journal of Racial and Ethnic Health Disparities
 Journal of Sport and Health Science
 Journal of the International AIDS Society
 PLoS Computational Biology
 Preventive Medicine Reports
 Social Science & Medicine
 The British Journal of Mathematics and Statistical Psychology
 Transactions in GIS
 Theory & Psychology
 Wellbeing, Space and Society

Conference Review Activities

Society for Epidemiologic Research 2022, AcademyHealth 2022

Memberships

2020–	Society for Epidemiologic Research
2021–2022	Society for Research on Educational Effectiveness
2021–2022	Spatial Econometrics Association
2020–2024	American Association of Geographers
2017–2021	The National Association for Research in Science Teaching
2019–2020	American Education Research Association