

KAYLYN LEVINE

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EDUCATION

University of Texas at Austin

PhD, Community and Regional Planning, 2023

Dissertation: Critical Approaches to Access: Rethinking first and last mile access to opportunities for disabled people

Committee: Alex Karner, Gian-Claudia Sciara, Miriam Solis, Nick Wings-Yanez

New York University

MS, Applied Urban Science and Informatics, 2017

University of California, Los Angeles

BS, Environmental Science, 2016

PUBLICATIONS

Levine, K., and Karner, A. (2023). Approaching accessibility: Four opportunities to address the needs of disabled people in transportation planning in the United States. *Transport Policy*, 131, 66–74. <https://doi.org/10.1016/j.tranpol.2022.12.012>

Karner, A., and **Levine, K.** (2021). Equity-Advancing Practices at Public Transit Agencies in the United States. *Transportation Research Record*, 2675(10), 1431–1441. <https://doi.org/10.1177/03611981211016861>

Levine, K. (2021). [Review of the book *Better Buses, Better Cities: How to Plan, Run, and Win the Fight for Effective Transit*, by S. Higashide]. *Journal of the American Planning Association*, 87(2), 300-302. DOI: 10.1080/01944363.2021.1885272

RESEARCH REPORTS

Thomas, D., Heer, N., Mitchell, I., Karner, A., **Levine, K.**, Shuster, J., Ma, K. (2022). Racial Equity, Black America, and Public Transportation, Volume 1: A Review of Economic, Health, and Social Impacts. <http://dx.doi.org/10.17226/26710>.

RESEARCH EXPERIENCE

Graduate Research Assistant, University of Texas at Austin

TCRP H-59: Racial Equity, Black America, and Public Transportation, 2022

Assist with reparative planning litmus test, qualitative interviews, assembling literature review material, and composing research reports

Encampment and public transit spatial analysis in R

NCHRP 08-162: Guidance for Implementing Equitable Transportation Decision-Making, 2022
Project proposal writing and development

NCHRP 08-159: How to Assess and Address Equity of Access to Essential Goods and Services, 2022
Project proposal writing and development

Planet Texas 2050, 2022
Environmental justice mixed methods research
Conducted spatial and statistical analysis of LEED certified public schools in Texas
Led interviews with Texas public school district staff about equity and environmental justice

NCHRP 08-121: Accessibility Measures in Practice: Guidance for Transportation Agencies, 2019-2021
Prepared technical memorandums and research reports reviewing literature and practice
Conducted semi-structured interviews with state DOTs and MPOs
Analyzed interview data using NVivo and qualitative coding

FTA: Multimodal Public Transportation System Connectivity Performance Measures: Developing Transformational Metrics with Community Engagement, 2018-2019
Conducted semi-structured interviews with transit agency staff
Analyzed Houston transit ridership trends in R
Contributed to written research reports

Planet Texas 2050, 2019
Climate adaptation plan equity evaluation
Spatial analysis of climate and equity impacts in Houston and San Antonio
Conducted semi-structured interviews with climate planning stakeholders in Houston and San Antonio

TEACHING EXPERIENCE

Assistant Professor, East Carolina University

Transportation Planning (PLAN4075), Community and Regional Planning, Fall 2023

Teaching Assistant, University of Vermont

Geospatial Computation, Environment and Natural Resources, Fall 2022

Masters-level graduate, virtual, core class, 40 students

Assisted Dr. Deidre Zoll teaching spatial statistics, spatial analyses, and statistical analyses in R and ArcGIS Pro

Managed class discussions and graded assignments

Teaching Assistant, University of Texas at Austin

Introduction to Visual Communication and GIS, Community and Regional Planning, Fall 2021

Masters-level graduate, in-person, core class, 40 students in two sections

Assisted Dr. Alex Karner teaching data management, ArcGIS Pro, R, Adobe Illustrator, Adobe InDesign, and Microsoft Excel

Guided and supported students through group work in-person and on Zoom

Responsible for grading student work and leading in-person lab discussions

Introduction to Urban Studies, Geography, Fall 2020

Lower division undergraduate, hybrid, 60 students

Assisted Professor Greg Anderson with leading in-person and Zoom lectures

Served as guest lecturer for urban planning module

Designed, administered, and graded student quizzes, papers, and exams

Guest Lecturer, University of Texas at Austin

Transportation Equity Analysis (CRP 384). Dr. Alex Karner. Spring 2022.

Right to the City (CRP 390). Dr. Bjorn Sletto. Fall 2021.

CONFERENCE PRESENTATIONS

Solis, M., Lee, A. C., Levine, K., Pérez-Quiñones, K. A., Chatham, A. "What Factors Contribute to Green School Locations? An Analysis of LEED Certified Schools in Houston, TX." Paper presentation at the 6rd Annual Conference of the Association of Collegiate Schools of Planning. Chicago, IL. Upcoming October 19-21, 2023.

Levine, K. and A. Karner. "Facilitating Access: An Analysis of Travel Behavior Near Accessible Pedestrian Infrastructure in Minneapolis." Paper presentation at the 102nd Transportation Research Board Annual Meeting. Washington, DC. January 8-12, 2023.

Levine, K. "First and Last Mile Accessibility: The Experiences of People with Disabilities Using Public Transit in Austin and Seattle." Paper presentation at the 62nd Annual Conference of the Association of Collegiate Schools of Planning. Toronto, CA. November 3-5, 2022.

Levine, K. "Facilitating Access: A Comparative Case Study of Sidewalk Data in Austin and Seattle." Paper presentation at TRANSED: Mobility, Accessibility, and Demand Response Transportation Conference. Virtual. September 12-16, 2022.

Levine, K. and A. Karner. "Understanding the Dimensions of Transportation Planning, Policy, and Practice that Fail the Disability Community." Invited poster presentation at the 101st Transportation Research Board Annual Meeting. Washington, DC. January 9-13, 2022.

Levine, K. "Prioritizing Sidewalks: How are city pedestrian plans using equity to frame sidewalk improvements?" Paper presentation at the 61st Annual Conference of the Association of Collegiate Schools of Planning. Virtual. October 21-23, 2021.

Levine, K. "Sidewalks for Social Justice: Are Cities Planning Equitable Sidewalks?" Poster presentation at the Social Justice Research Forum. Austin, TX. April 29-30, 2021.

Levine, K. and A. Karner. "Evaluating First and Last Mile Access to Transit for People with Disabilities." Poster presentation at the 100th Transportation Research Board Annual Meeting. Virtual. January 25-29, 2021.

Levine, K. and A. Karner. "Sidewalks Matter: The Case for Integrating Access to Opportunities and Accessibility for People with Disabilities using Sidewalk Quality Data." Paper presentation at the 60th Annual Conference of the Association of Collegiate Schools of Planning. Virtual. November 5-8, 2020.

Karner, A. and K. Levine. "Beyond Quantitative Analysis: Examining Equity Practices at US Public Transit Agencies." Poster presentation at the 99th Transportation Research Board Annual Meeting. Washington, DC. January 12-16, 2020.

Levine, K. and A. Karner. "Measuring Access to Public Transit for People with Disabilities using Detailed Sidewalk Data." Poster presentation at the 99th Transportation Research Board Annual Meeting. Washington, DC. January 12-16, 2020.

Karner, A. and K. Levine. "Meaningful Public Involvement for Addressing Transportation Equity: Case Studies in the United States." Paper presentation at the 59th Annual Conference of the Association of Collegiate Schools of Planning. Greenville, SC. October 24-27, 2019.

GRANTS AND AWARDS

Dwight David Eisenhower Fellow, 2020-2021

NYU Center for Urban Science and Progress Academic Fellowship, 2016-2017

SERVICE

Editorial board memberships

Managing editor of Planning Forum (2021-present). University of Texas at Austin.

Co-editor: Samira Bashar

Paper reviewer

Journal of Public Transportation

Transportation Research Part D: Transport and Environment

Transportation Research Record