

Madeleine I. G. Daepf

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Professional Appointments

- 2020 - Present **Senior Researcher**
Microsoft Research
- 2021 - 2023 **Affiliate Associate**
Department of Economics, Harvard University
- 2020 **David E. Bell Postdoctoral Fellow**
Harvard Center for Population and Development Studies
Harvard T. H. Chan School of Public Health

Education

- 2016 – 2020 **Ph.D. Urban + Regional Planning**
Massachusetts Institute of Technology
- 2014 – 2016 **M.Sc. Integrated Studies in Land and Food Systems**
University of British Columbia - Vancouver
- 2009 – 2013 **B.A. Economics and Mathematics, *Summa cum Laude***
Washington University in St. Louis

Papers in Preparation

- Under Review **Daepf MIG**, Counts S. The emerging generative AI divide in the United States.
arXiv:2404.11988
- In Prep. Dash S, Villalba AC, Nayak B, Vann D, Daepf MIG. Anec-doctoring: A method for
disinformation red teaming across language and culture.
- In Prep. **Daepf MIG**, Ness RO, Pal J. Generative Propaganda: Evidence from Taiwan and
India

Public Writing and Policy Briefs

- 2024 **Daepf MIG**, Ness RO. Generative AI and Disinformation: Early Evidence from
Taiwan. *The Economist*.
- 2023 Microsoft New Future of Work Report
- 2020 **Daepf MIG**, Graves EM, Arcaya MC. Gateways to opportunity? Neighborhood
trajectories of Massachusetts residents. *Federal Reserve Bank of Boston*.

Peer-Reviewed Publications

- 2025 Cuevas AC, Scurrall JC, Brown EM, Entenmann J, Daepf MIG. Collecting qualitative data at scale with large language models: A case study. *CSCW*.
- 2024 Sportich N, Blanco H, **Daepf MIG**, Graves E, Cutler D. Can Fair Share Policies Expand Neighborhood Choice? Evidence from Bypassing Exclusionary Zoning under Massachusetts Chapter 40B. *Housing Policy Debate*.
- 2023 Montgomery A, **Daepf MIG**, Abdin MA, Choudhury P, Malvar S, Counts S, Horton DE. Intraurban NO₂ hotspot detection across multiple air quality products. *Environmental Research Letters* 18(10): 104010.
- Anyachebelu A, Cabral A, Abdin MI, Choudhury P, **Daepf MIG**. Characterizing the effects of structural fires on fine particulate matter with a dense sensing network. *Scientific Reports* 13: 12862.
- Daepf MIG**, Cabral A, Werner TM, Mansour R, Catlett C, Roseway A, Needham C, Udeagbala N, Counts S. The “three-legged stool”: Designing for equitable city, community, and research partnerships in urban environmental sensing. *Proceedings of the 2023 CHI Conference on Human Factors in Computing Systems*: Hamburg, Germany.
- Daepf MIG**, bunten dm, Hsu J. The effect of racial composition on neighborhood housing prices: Evidence from Hurricane Katrina-induced migration. *Journal of Urban Economics* 134: 103515.
- 2022 Esie P, **Daepf MIG**, Roseway A, Counts S. Neighborhood Composition and Air Pollution in Chicago: Monitoring Inequities with a Dense, Low-Cost Sensing Network, 2021. *American Journal of Public Health* 112(12):1765-1773.
- Daepf MIG**, Cabral A, Iyer V, Counts S, Johns P, Roseway A, Catlett C, Jancke G, Gehring D, Needham C, von Veh C, Tran T, Story L, D’Amone G, Nguyen BH. Eclipse: An End-to-End Platform for Low-Cost, Hyperlocal Environmental Sensing in Cities. *ACM/IEEE International Conference on Information Processing in Sensor Networks (IPSN)*: Milan, Italy.
- Daepf MIG**. Small-area moving ratios and the spatial connectivity of neighborhoods: Insights from consumer credit data. *Environment & Planning B: Urban Analytics and City Science* 49(3): 1129-1146.
- Daepf MIG**, Binet A, Gavin V, Arcaya MC and the Healthy Neighborhoods Research Consortium. The Moving Mapper: Participatory action research with big data. *Journal of the American Planning Association* 88(2): 179-191.
- 2019 **Daepf MIG**, Gortmaker SL, et al. (2019). WIC food package changes: trends in childhood obesity prevalence. *Pediatrics* 143(5): e20182841.
- Velazquez CV, **Daepf MIG**, Black JL (2019). Assessing exposure to food and beverage advertisements surrounding schools in Vancouver, BC. *Health & Place* 58: 102066.
- 2017 **Daepf MIG**, Arcaya MC (2017). The effect of health on socioeconomic status: Using instrumental variables to revisit a successful randomized controlled trial. *Economics & Human Biology* 27: 305-314.
- Lebel A, **Daepf MIG**, et al. (2017). Quantifying the foodscape: An evaluation of the validity of commercially available business data. *PLoS ONE* 12(3): e0174417.

- 2015 **Daepf MIG**, Black JL (2017). Assessing the validity of commercial and municipal food environment datasets in Vancouver, Canada. *Public Health Nutrition* 20(15).
- Daepf MIG**, Hamilton MJ, West GB, Bettencourt LMA (2015). The mortality of companies. *Journal of the Royal Society Interface* 12(106).
- Flynt A, **Daepf MIG** (2015). Diet-related disease in the northeastern United States: A model-based clustering approach. *International Journal of Health Geographics* 14(1): 1-14.
- Daepf MIG** (2015). Prices and availability of healthy foods across St. Louis. *The American Economist*; 60(2):209-224.

Presentations

- 2024 University of Washington: Seattle, WA
 Psychology of Technology: Boston, MA
 Microsoft Research Forum: Redmond, WA
 vTaiwan: Taipei, Taiwan
- 2023 Edmond & Lily Safra Center for Ethics, Harvard University: Cambridge, MA
 World Bank-Annenberg Summer Institute: Los Angeles, CA
- 2022 University of Chicago-PKU Joint Forum: Chicago, IL
 Urban Institute: Washington, DC
 American Geophysical Union Fall Meeting: Chicago, IL
 C40 Cities (Webinar): London, UK
 World Bank-Annenberg Summer Institute: Los Angeles, CA
- 2021 Mansueto Institute, University of Chicago: Chicago, IL
 University of Illinois – Chicago: Chicago, IL
 Microsoft Research Summit – Remond, WA
 CHI Hacknight: Chicago, IL
- 2020 American Collegiate Schools of Planning: Toronto, CA
 NYU Grossman School of Medicine: New York, NY
 Boston Area Research Initiative: Boston, MA
- 2019 American Collegiate Schools of Planning: Greenville SC
 International Medical Geography Symposium: Queenstown, NZ
- 2018 Boston Area Research Initiative: Boston, MA.

Teaching Experience

- Spring 2018 & Teaching Assistant, **Quantitative Reasoning**. MIT.
 Fall 2018 Led R programming tutorial for graduate statistics class.
- Spring 2017 Co-lead, **Epidemiology for Urban Planners**. MIT.
 Developed syllabus for graduate reading group on planning and public health.

Fall 2014 to Spring 2016	Teaching Assistant, Land, Food & Community 1 . UBC. Led weekly recitation, guest lectured, and graded essays in core 1 st -year class.
Fall 2011 & Fall 2012	Teaching Assistant, Current Macroeconomic Issues . Washington University. Led recitation and graded essays for advanced writing-intensive course

Work Experience

2018 - 2020	Researcher, Harvard T.H. Chan School of Public Health.
2017 - 2020	Research Fellow, Federal Reserve Bank of Boston.
Spring 2017	Clinical Student, Harvard Food Law and Policy Clinic.
2013 - 2014	Americorps VISTA, United Way of Southeastern Connecticut.

Awards & Honors

2020	Governance Fellow – Harry S. Truman Foundation, U.S. Federal Government
2019	Bill Mitchell++ Fund Award – MIT Harold Horowitz (1951) Research Fund Award – MIT
2016	NSF Graduate Research Fellowship – U.S. National Science Foundation Presidential Fellowship – MIT Vanier Canada Graduate Fellowship (Declined) – Government of Canada
2015	Li Tze Fong Fellowship – University of British Columbia EPIC Scholarship – Columbia University
2013	Olin Prize for Excellence in Economics – Washington University in St. Louis Class Marshall – Washington University in St. Louis Finalist for the Rhodes and Marshall Scholarships
2012	Truman Scholarship – Harry S. Truman Foundation, U.S. Federal Government Udall Scholarship – Udall Foundation, U.S. Federal Government
2009	Arnold J. Lien Full-Tuition Scholarship – Washington University in St. Louis

Workshops & Additional Training

2020	Microsoft Urban Futures Summer Workshop. Microsoft Research [virtual]
2019	Graduate Workshop in Computational Social Science. The Santa Fe Institute.
2015	Epidemiology and Population Health Summer Institute. Columbia University.
2013	The Principles of Complexity, Scale & Civilization II. The Santa Fe Institute.

Additional Information

Software	R, Python, STATA, LaTeX, ArcGIS and QGIS, Power BI Familiar with SQL, Stan, and SAS
Languages	Swiss German, English (bilingual); German (fluent); French (proficient)