

Madeleine I. G. Daepf

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Professional Appointments

- November 2020 **Senior Researcher**
Urban Innovation, Microsoft Research
- September 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**
School of Architecture + Planning
Massachusetts Institute of Technology
Dissertation: Three Essays on Residential Mobility, Housing, and Health
- 2014 – 2016 **M.Sc. Integrated Studies in Land and Food Systems**
Faculty of 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**. Small-area moving ratios and the connectivity of neighborhoods.*
- In Revision **Daepf MIG**, Bunten DM. Disaster-induced displacement: Effects on destination housing prices.*
- In Preparation **Daepf MIG**, Doyle JJD, Arcaya MC. The Housing Market Effects of Interstate Differences in Healthcare Access.*

*Working paper available upon request.

Peer-Reviewed Publications

- 2021 **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*.
- 2019 **Daepf MIG**, Gortmaker SL, et al. (2019). The WIC food package changes: Associations with changing trends in childhood obesity prevalence. *Pediatrics* 143(5).
- 2019 Velazquez CV, **Daepf MIG**, Black JL (2019). The food and beverage advertisement environment surrounding schools in Vancouver, BC: Assessing exposure from retailers. *Health & Place* 58.
- 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.

- 2017 Lebel A, **Daepf MIG**, et al. (2017). Quantifying the foodscape: An evaluation of the validity of commercially available business data. *PLoS ONE* 12(3).
- 2017 **Daepf MIG**, Black JL (2017). Assessing the validity of commercial and municipal food environment datasets in Vancouver, Canada. *Public Health Nutrition* 20(15).
- 2015 **Daepf MIG**, Hamilton MJ, West GB, Bettencourt LMA (2015). The mortality of companies. *Journal of the Royal Society Interface* 12(106).
- 2015 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).
- 2015 **Daepf MIG** (2015). Prices and availability of healthy foods across St. Louis. *The American Economist*; 60(2):209-224.

White Papers & Policy Briefs

- 2020 **Daepf MIG**, Graves EM, Arcaya MC. Gateways to opportunity? Neighborhood trajectories of Massachusetts residents. *Federal Reserve Bank of Boston Policy Brief*.
- 2020 **Daepf MIG**, Fitzmaurice H, Janzen S, Ponce J, Roseway A, Felkner J, Copfer W, Pinfold W, and Niyogi D. Popping into focus: Community Engagement for Environmental Impact ad Awareness. *Microsoft Urban Futures Workshop White Paper*.

Selected Presentations

- 2020 **Daepf MIG**, Arcaya MC, and the Healthy Neighborhoods Consortium. The Massachusetts Migration Mapper. *Boston Area Research Initiative* [virtual].
- 2019 **Daepf MIG**, Graves EM, and Arcaya MC. Migration and mobility in the neighborhood poverty trajectories of United States residents. *Association of Collegiate Schools of Planning*: Greenville, SC.
- 2019 **Daepf MIG**. Reviving connections between public health and urban planning. *International Medical Geography Symposium*: Queenstown, NZ [virtual].
- 2018 **Daepf MIG**, Graves EM, and Arcaya MC. Neighborhood poverty trajectories of MA Residents, 2003 – 2013. *Boston Area Research Initiative*: Boston, MA.
- 2016 **Daepf MIG** and Black JL. Examining disparities in the food retail environment surrounding schools in Vancouver, BC. *APHA*: Denver, CO.
- 2016 **Daepf MIG**, Velazquez CE, and Black JL. Food retail environments and the availability of food advertisements around schools. *Canadian Association for Food Studies*: Toronto, CA

Workshops & 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.

Selected Awards

2020	Democracy 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

Teaching Experience

Spring 2018 and Fall 2018	Teaching Assistant, Quantitative Reasoning . MIT. 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 and 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 . Analyzed the relationship between gasoline taxes and obesity for the Childhood Obesity Intervention Cost-Effectiveness Study (CHOICES).
2017 - 2020	Research Fellow, Federal Reserve Bank of Boston . Cleaned and analyzed consumer credit data. Wrote working paper and policy brief. Created interactive app of neighborhood migration trajectories.
Spring 2017	Clinical Student, Harvard Food Law and Policy Clinic . Interviewed experts, researched sugar-sweetened beverage taxes, and collaborated with a team of lawyers to write a Farm Bill policy platform.
2013 - 2014	Americorps VISTA, United Way of Southeastern Connecticut . Facilitated 24-person working group on food insecurity. Conducted research on the spatial distribution of food bank operations.
Summer 2013	Truman Fellow, USDA Center for Faith-Based and Neighborhood Partnerships . Analyzed trends in grant distribution; collaborated with <i>Let's Move!</i> on webinar that reached over 200 Spanish-speaking childcare providers.

Additional Information

Software	R, Stan, STATA, LaTeX, SQL, ArcGIS and QGIS Familiar with Python and SAS
Languages	Swiss German and English (bilingual) German (fluent) French (proficient)
Service	Mentor, Peer Application Support Service to support diversity (2019) Reviewer, Ph.D. applications to MIT Dept. of Urban Planning (2017) Co-Chair, Ph.D. Social Committee (2017) Member, Land & Food Systems Social Committee (2015) Website Manager, Public Health & Urban Nutrition Lab (2015 – 2016)
Reviewer	<i>Social Science & Medicine, Health & Place, Population & Environment, American Journal of Epidemiology, American Journal of Preventive Medicine, Public Health Nutrition, Journal of Urban Health, GIScience & Remote Sensing, Nutrition Journal, American Journal of Clinical Nutrition, Journal of Epidemiology & Community Health, Pediatrics</i>
