

# George Dewey

POSTDOCTORAL RESEARCH ASSOCIATE

MIGHTE @ Network Science Institute, Northeastern University, Boston, MA, 02115

✉ g.dewey@northeastern.edu | 📧 gd32 | 🌐 gdw32

## Research Interests

- Infectious Disease Epidemiology
- Social Network Analysis
- Big Data Techniques for Public Health

## Education

<b>University of California, Los Angeles</b> DOCTOR OF PHILOSOPHY, EPIDEMIOLOGY • Dissertation - Harnessing Network Data to Address Scientific Challenges	Los Angeles, CA 2024
<b>University of California, Los Angeles</b> MASTER OF PUBLIC HEALTH, EPIDEMIOLOGY	Los Angeles, CA 2017
<b>University of Chicago</b> BACHELOR OF ARTS, BIOLOGICAL SCIENCES	Chicago, IL 2013

## Funding and Awards

<b>UCLA Department of Epidemiology HEALRISE Scholarship</b> TITLE: 'PREDICTING INFECTIOUS DISEASE OUTBREAKS USING EARLY WARNING SIGNALS TO MITIGATE RACIAL AND ETHNIC DISPARITIES' Primary Investigator: \$20,000	2022
<b>UCLA Fielding School of Public Health High Impact Data Initiative</b> TITLE: SIMULATIONS, EXPERIMENTS, AND BIG DATA ANALYTICS TO MODEL HUMAN BEHAVIOR Co-Investigator: \$14,000	2021
<b>UCLA Department of Epidemiology Graduate Fellowship</b>	2019
<b>Los Angeles County Department of Public Health SAS Users Group Award</b>	2019
<b>Los Angeles County Department of Public Health SAS Users Individual Award</b>	2018
<b>UCLA Department of Epidemiology Dean's Leadership Grant</b>	2015

## Experience

<b>Postdoctoral Research Associate</b> MACHINE INTELLIGENCE GROUP FOR THE BETTERMENT OF HEALTH AND THE ENVIRONMENT • Develop forecasting and early warning systems for infectious disease outbreaks (focusing on the United States).	Boston, MA June 2024 - Present
<b>Graduate Student Researcher</b> NISHI LAB, UCLA FIELDING SCHOOL OF PUBLIC HEALTH • Apply techniques from network science, epidemiology, and behavioral science to address problems relevant to public health. <ul style="list-style-type: none"><li>- Online network experiments using decision times to explore the relationship between cooperative and punishment decisions.</li><li>- Network simulations for preventive behaviors (COVID-19 non-pharmaceutical interventions, lung cancer screening).</li><li>- Evaluating ChatGPTs role as a research assistant using citation networks.</li><li>- 2+ peer-reviewed publications.</li></ul>	Los Angeles, CA September 2019 - May 2024
<b>Research and Evaluation Intern</b> LOS ANGELES COUNTY DEPARTMENT OF PUBLIC HEALTH, DIVISION OF CHRONIC DISEASE AND INJURY PREVENTION • Evaluate benefits of nutritional programs throughout Los Angeles County using survey and sales data. <ul style="list-style-type: none"><li>- 2 peer-reviewed publications.</li></ul>	Los Angeles, CA June 2016 - July 2017

## Publications

1. Dai, J., Nishi, A., Tran, N., Yamamoto, Y., Dewey, G., Ugai, T., & Ogino, S. (2021). Revisiting social MPE: An integration of molecular pathological epidemiology and social science in the new era of precision medicine. *Expert Review of Molecular Diagnostics*, 21(9), 869–886.
2. Nishi, A., Dewey, G., Endo, A., Neman, S., Iwamoto, S. K., Ni, M. Y., Tsugawa, Y., Iosifidis, G., Smith, J. D., & Young, S. D. (2020). Network interventions for managing the COVID-19 pandemic and sustaining economy. *Proceedings of the National Academy of Sciences*, 117(48), 30285–30294.
3. Wickramasekaran, R. N., Robles, B., Dewey, G., & Kuo, T. (2018). Evaluating the potential health and revenue outcomes of a 100% healthy vending machine nutrition policy at a large agency in los angeles county, 2013-2015. *Journal of Public Health Management and Practice*, 24(3), 215–224.
4. Dewey, G., Wickramasekaran, R. N., Kuo, T., & Robles, B. (2017). Peer reviewed: Does sodium knowledge affect dietary choices and health behaviors? Results from a survey of los angeles county residents. *Preventing Chronic Disease*, 14.
5. Dewey, G., Wickramasekaran, R. N., Kuo, T., & Robles, B. (2017). Associations between sodium knowledge and health behaviors: Results from an internet panel survey in los angeles county. *APHA 2017 Annual Meeting & Expo* (Nov. 4-Nov. 8).

## Technical Skills

Coding Languages	Software	Markup Languages
R, Python, SQL, Bash	Git, Linux (Ubuntu, Debian), Google Cloud Platform, Stata, SAS, MacOS/Windows	Markdown, Quarto