

Sophie Mirabai Woodward

PhD Candidate in Biostatistics

✉ swoodward@g.harvard.edu • 🌐 www.sophiewoodward.com
in sophie-woodward-b35a68293 • 📱 sophi890

Education

Harvard University

PhD in Biostatistics (In Progress)

2022–2027

Developing methods to address unmeasured spatial confounding in causal inference under the guidance of Dr. Francesca Dominici.

Harvard College

BA in Statistics and Mathematics

2018–2022

Graduated Magna Cum Laude with Highest Honors.

Publications

Woodward, S.M., Tec, M., & Dominici, F. (2024). An Instrumental Variables Framework to Unite Spatial Confounding Methods. *Arxiv Preprint*.

Tec, M., Trisovic, A., Audirac M., **Woodward, S.M.**, Hu, J., Khoshnevis, N. & Dominici, F. (2024). SpaCE: The Spatial Confounding Environment. *International Conference on Learning Representations*.

Woodward, S.M., Mork, D., Wu, X., Hou, Z., Braun, D., & Dominici, F. (2023). Combining aggregate and individual-level data to estimate individual-level associations between air pollution and COVID-19 mortality in the United States. *PLOS Global Public Health*, 3(8), e0002178.

Woodward, S.M., & Wu, X. (2023). Review 1: “Long-term Outdoor Air Pollution and COVID-19 Mortality in London: an Individual-level Analysis”. *Rapid Reviews Infectious Diseases*.

Field, R. D., Moelis, N., Salzman, J., Bax, A., Ausiello, D., **Woodward, S.M.**, & Edwards, D. A. (2021). Inhaled water and salt suppress respiratory droplet generation and COVID-19 incidence and death on US coastlines. *Molecular Frontiers Journal*, 5(01n02), 17-29.

Awards

2022: National Science Foundation Graduate Research Fellowship.

2024: Selected student speaker at the *Accelerate: Data for Social Impact Conference*.

2024: Certificate of Distinction in Teaching Award.

Teaching

Statistical Inference I (BST 231)

Teaching Fellow

Supervisor: Dr. Rui Wang.

Harvard University

2024

Introduction to Probability and Statistics

Teaching Assistant

Supervisor: Dr. Joseph Blitzstein.

Harvard University

2020–2022

Skills

Programming: Python, R