Hane Lee (they/them)

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EDUCATION

Columbia University   New York, NY
  PhD in Statistics   2019 – Present
    Committee: Michael Sobel, Zhiliang Ying, Naoki Egami
Massachusetts Institute of Technology   Cambridge, MA
  MS in Media Arts and Sciences, MIT Media Lab, Opera of the Future   2017 – 2019
  BS in Electrical Engineering, minor in Music   2013 – 2017

PREPRINTS & WORKING PAPERS

"The Wasserstein Bipolarization Index: A New Measure of Public Opinion Polarization, with an Application to Cross-Country Attitudes toward COVID-19 Vaccination Mandates" with Michael Sobel.

"A Fused Ideological and Social Model of Roll Call Votes" with Andrew Davison and Zhiliang Ying

PUBLICATIONS

Chris Andrade, Jonathan Auerbach, Icaro Bacelar, Hane Lee, Angela Tan, Mariana Vazquez, and Owen Ward (2023). "Does it pay to park in front of a fire hydrant?". Significance 20(1), pp. 28–30.

CONFERENCE PRESENTATIONS

2024 Society for Political Methodology Annual Conference (paper)
2023 Society for Political Methodology Annual Conference (poster)
2022 Minghui Yu Memorial Conference

TEACHING EXPERIENCE

Columbia University

Instructor

Calculus-based Introduction to Statistics	Summer 2024

Teaching Assistant

Graduate

Probability Theory	Fall 2020, Spring 2021, Fall 2021
Statistical Inference	Fall 2023
Accelerated Probability Theory/Statistical Inference	Fall 2022
Statistical Machine Learning	Spring 2022
Linear Regression Models	Spring 2023
Bayesian Statistics	Summer 2023

Undergraduate

Introduction to Statistics	Spring 2020
Introduction to Statistical Reasoning	Fall 2019

SERVICE

PhD Student Representative, Columbia Statistics Department	2021 – 2022
Minghui Yu Memorial Conference organizer	2022
Diversity, Equity, and Inclusion Committee, Columbia Statistics Department	2020 – 2023
Department Representative, Columbia GSAS Student Council	2020 – 2021

RESEARCH & WORK EXPERIENCE

Research Assistant, Prof. Tod Machover, MIT Media Lab	2017-2019
Undergraduate Research Assistant, Prof. George Verghese, MIT RLE	2016-2017
Intern, Ion Beam Applications (IBA) & Université Catholique de Louvain	2015
Undergraduate Research Assistant, Dr. Stefanie Shattuck-Hufnagel, MIT RLE	2014

SKILLS

Programming: *proficient* Python, R *practical* MATLAB, javascript, C++
Languages: *native* English, Korean