

Emily Xing

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EDUCATION

Harvard University | 2023 – 2027

A.M. / A.B. Candidate in Statistics, Data Science Track

- GPA: 3.93
- John Harvard Scholar, Top 5% of Class
- Global Health & Health Policy Secondary

Relevant Coursework: Advanced Data Science, Statistical Inference, Probability, Stochastic Processes, Causal Inference, Linear Models, Real Analysis, Calculus/Linear Algebra/Differential Equations, Bayesian Inference, American Economic Policy, World Health, Economics of Health

SELECT PUBLICATIONS

Xing, E., Tian, L., Uno, H. (2025). `unolab/stata-stah: v1.0.0` — Survival analysis using average hazard with survival weight in Stata. *Zenodo*. [10.5281/zenodo.17756398](https://doi.org/10.5281/zenodo.17756398) [Accepted for publication in *The Stata Journal*]

Xing, E., Kim, S., Cohen, J., Tseng, T.Y. (2025). Analysis of media coverage on smoke-free policy implementation in ten LMICs. *Tobacco-Induced Diseases*. [10.18332/tid/211700](https://doi.org/10.18332/tid/211700)

Xing, E., Dai, Z., Madar, A., Welding, K., Clegg Smith, K., Cohen, J. (2023). The problematic use of cultural symbols on Chinese cigarette packs. *Tobacco-Induced Diseases*. [10.18332/tid/162301](https://doi.org/10.18332/tid/162301)

Nian, Q., Kennedy, R., Schotte, K., Gouda, H., Kataria, S., **Xing, E.,** Welding, K. (2025). State of the evidence on economic impacts of smoke-free policies in the tourism sector: A narrative literature review. *Tobacco-Induced Diseases*. [10.18332/tid/211072](https://doi.org/10.18332/tid/211072)

Wang, J., et al. Reassessing immediate coal phase-out: Dual imperatives of capacity control and renewables expansion in China's carbon neutral strategy. *Nexus*.

Yin, Z., et al. (2026). Mitigating inequity risks in China's net-zero energy transition via an enhanced renewable-guided industrial spatial reconfiguration. *The Innovation*.

INVITED TALKS & PRESENTATIONS

Xing, E., Tian, L., Uno, H. `Stah` and `stahreg`: Stata commands for survival analysis using the average hazard with survival weight. (2026). [Conference presentation]. *Joint Statistical Meetings*. Boston, MA.

Xing, E., Kim, S., Cohen, J., Tseng, T.Y. (2025). Analysis of media coverage on smoke-free policy implementation in ten LMICs [Conference presentation]. *World Conference on Tobacco Control*. Dublin, Ireland.

Liu, Y., Huang, S., **Xing, E.,** Viswanath, K., Iyer, R. (2025). An LLM-assisted content analysis of social media platform practices for digital well-being [Invited talk]. *11th International Conference on Computational Social Science*, Norrköping, Sweden.

Liu, Y., Huang, S., **Xing, E.,** Viswanath, K. (2025). The content, impact, and coverage of social media platform-led digital well-being design changes [Conference presentation]. Trust & Safety Research Conference, Stanford Law School, Stanford, CA. *Society for Personality and Social Psychology Preconference*.

AWARDS & FELLOWSHIPS

- 2025 **Columbia–Amazon Summer Undergraduate** Research Experience (SURE) Fellow: 13/300+ selected for prestigious program
- 2026, 2025, 2024 **Harvard College** Research Program Award
- 2025, 2023 **Institute for Global Tobacco Control** Distinguished Student Researcher Award
- 2025 **USC Neely Center for Ethical Leadership**: youngest-ever Neely Academic Fellow
- 2024 **Harvard–China Project** Summer Undergraduate Research Fellowship
- 2023 **Regeneron Science Talent Search** Scholar: Top 300 in nation’s oldest, most prestigious research competition for high schools
- 2023, 2022 National Science Foundation Research Experience & Mentoring (REM) Program
- 2022 New York Times STEM Writing Contest Winner: Top 8/3,564 entries, article published in the *New York Times*
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RESEARCH EXPERIENCE

unolab, Dana Farber Cancer Institute

2025 – Present | PI: Dr. Hajime Uno, Department of Data Science

- Develop comprehensive Stata command library for average hazard estimation in clinical trials, expanding access to robust statistical methods for quantifying treatment effects in biomedical research

Division of Biostatistics, Harvard Pilgrim Health Care Institute

2025 – Present | PI: Dr. Tom Chen, Department of Population Medicine

- Identify novel biomarkers of respiratory viral disease season onset from CDC wastewater pathogen surveillance data
- Design threshold-based statistical methods for real-time monitoring systems, informing hospital infection control policy decisions at Massachusetts General Brigham

Institute for Global Tobacco Control, JHU Bloomberg School of Public Health

2022 – Present | PI: Dr. Joanna Cohen, Department of Social & Behavioral Sciences

- Lead studies on tobacco control policy & communication gaps: (1) monitor global Tobacco Pack Surveillance System in LMICs for big tobacco tactics, (2) analyze smoke-free policy compliance and implementation to shape global health narratives.

Center for Health Communication, Dana Farber Cancer Institute

2022 – Present | PI: Dr. Vish Viswanath, Department of Data Science

- Design systematic evaluation framework for social media platform designs addressing digital well-being and child safety, analyzing industry media advanced LLM-assisted content analysis methodology
- Assess global trends in tobacco/alcohol usage across demographics & media exposure

Summer experiences: Columbia–Amazon Summer Undergraduate Experience in Engineering (SURE) (2026) with Dr. Brian Smith, Computing–Enabled Abilities Lab. Harvard–China Summer Research Fellow (2025) with Dr. Xi Lu, Tsinghua University Institute for Carbon Neutrality.

**PROFESSIONAL
EXPERIENCE**

Statistical Programming Intern, Alexion – AstraZeneca

2026 Summer, Boston, MA

- Incoming summer intern on the statistical programming team at Alexion, Boston–Seaport headquarters. Establish open-source base processes for clinical trials in R

Data Analyst, USC Neely Center for Ethical Leadership and Decision-Making

2025 – Present, Los Angeles, CA

- Leading analysis of technology usage and outcomes across social media, artificial intelligence, and mixed reality in America
 - Contracted by **Jigsaw, incubator at Google**
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**TEACHING &
EXTRACURRICULARS**

2025 – Present **Teaching Fellow** for Statistics 110: Introduction to Probability and Statistics 111: Introduction to Statistical Inference; teach sections, lead office hours and content review

2024 – Present **Harvard RESPONSE Peer Counselor**; provide support for relationships, sexual assault and harassment concerns

2023 – 2025 **Peer Tutor** at Harvard Academic Resource Center for Stat 110: Introduction to Probability; Math 21a: Multivar Calc; Math 21b: LinAlg & DiffEqs

2024 – Present **Manager** of 10+ baristas and pulling great espresso shots at Harvard Cabot House Cafe