

Curriculum Vitae

Josh Xu

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Education

University of California, Los Angeles, 2021–2025

- B.S. in Statistics and Data Science (expected June 2025)
- B.A. in Geography (expected June 2025)
- GPA: 3.993
- Honors: Dean's Honors List (8 quarters)
- Practically Causal Inference Lab, 2024–present
- Selected Statistics Courses: Probability, Mathematical Statistics, Linear Models, Data Analysis and Regression, Design and Analysis of Experiment, Statistical Models and Data Mining, Computation and Optimization for Statistics, Monte Carlo Methods, Causal Inference
- Selected Mathematics Courses: Linear Algebra, Analysis
- Selected Geography Courses: Urban Geography, Transportation Geography, Political Geography, Population Geography, Geographic Information Systems, Remote Sensing

Research Experience

Undergraduate Research Assistant, UCLA Luskin School of Public Affairs, 2024

- Supervisor: Monisha Reginald
- I performed data collection for a project examining the inequities of the rider experience at bus stops across Los Angeles, particularly for women and riders of color. I took measurements regarding street lighting and bus shelters, evaluating the potential for improvements.
- Report: <https://escholarship.org/uc/item/91p6c5zy>

Research Interests

- Social Statistics
- Statistics in Public Policy
- Causal Inference
- Machine Learning Methods
- Urban Policy
- Geopolitics

Skills

- Regression Analysis
- Machine Learning Methods
- Computational Methods in Statistics
- Analysis of Political and Geographical Data
- GIS and Remote Sensing
- Native proficiency in English and Mandarin Chinese

Test Scores

GRE, September 2024

- Verbal: 168 (98th percentile)
- Quantitative: 170 (92nd percentile)
- Analytical Writing: 5 (92nd percentile)

Selected Academic Projects

- Using XGBoost to predict patient alcoholism given their vital statistics
- Performing a financial and environmental analysis of California High-Speed Rail, identifying where the project went wrong and what it teaches us about future infrastructure investments
- Analyzing the economic and social factors driving the mass emigration of Croatia's youth

Leadership

Quiz Bowl at UCLA, 2021–present

- Club Captain, 2023–present
- Treasurer, 2024–present
- Tournament Director, 2024–present
- Overseeing registration for tournaments; communicating with club leadership from other universities; representing UCLA to national quiz bowl organizations; overseeing travel logistics

UCLA Center for Accessible Education, 2023

- Volunteer note-taker; taking and publishing lecture notes to assist students with disabilities

Professional Membership

Institute of Mathematical Statistics, Student Member, 2024–present

Institute of Transportation Engineers, Student Member, 2024–present

Community Involvement

City of Santa Monica, 2024–present

- Attending Santa Monica community meetings to advocate against proposed bus service changes that would harm UCLA students

Chinese Baptist Church West Los Angeles (CBCWLA), 2021–present

- Leading Bible study; mentoring younger church members; training younger church members to become teachers and counselors; playing piano for worship team

References

- Nicolas Christou, Senior Continuing Lecturer, UCLA Department of Statistics and Data Science, 8125 Math Sciences Bldg, Los Angeles, CA 90095, nchristo@stat.ucla.edu
- Akram Almohalwas, Continuing Lecturer, UCLA Department of Statistics and Data Science, 8125 Math Sciences Bldg, Los Angeles, CA 90095, akram@stat.ucla.edu
- Chad Hazlett, Professor, UCLA Department of Statistics and Data Science, UCLA Department of Political Science, 8125 Math Sciences Bldg, Los Angeles, CA 90095, chazlett@ucla.edu