Anqi Zhao

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Education

North Carolina State University, Raleigh, Ph.D. candidate in Statistics — 2024-present
- Advisor: Jungeum Kim
- Membership at $\mu\sigma\rho$ (Mu Sigma Rho): The National Statistics Honorary Society

University of Washington, Seattle, M.S. degree in Statistics. — 2022-2024
- GPA: 3.96/4.0

University of California, Irvine, B.A. degree in Quantitative Economics, minor in Statistics — 2019-2022
- GPA: 3.976/4.0 with the Latin Honors designation of Magna Cum Laude
- Dean's honor list for a continuous 8 quarters

RESEARCH EXPERIENCE:

Research with Professor Wenbin Lu, NCSU – Raleigh, NC — Sept. 2025-present
- Engaging in methodological research under Professor Lu on reinforcement learning approaches for survival analysis.
- Collaborating with Jungeum Kim (Assistant Professor, NCSU).

Research with Professor Shu Yang, NCSU – Raleigh, NC — Jan. 2025-present
- Conducting research under Professor Yang in biostatistics and causal inference.
- Developing conformal prediction methods for treatment regime learning.
- Collaborating with Ke Zhu, Jungeum Kim, and Yichi Zhang.

Research Assistant, for Professor Jing Tao, UW – Seattle, WA — Jan.2023-Sept.2023
- Worked with Professor Jing Tao, who holds dual appointments in Economics and Statistics at the University of Washington, on advanced econometric research projects.
- Engaged in specialized research centered around demand estimation utilizing Python, with an emphasis on parameter estimation within demand functions.

Independent study with Professor Matthew Harding, UCI – Irvine, CA — Jan.2022-March 2022
- Conducted an independent study with Professor Matthew Harding and Nils Breitmar, involving literature review and applied statistical modeling on large-scale advertising and social network data.

ACADEMIC EMPLOYEE/ MENTORING EXPERIENCE:

Hybrid Instructor, ST 311, NCSU – Raleigh, NC — Fall 2025
- Taught elementary probability and foundational statistical inference, including confidence intervals and hypothesis testing.
- Responsible for holding in-person class sessions and office hours.

Teaching Assistant, ST 542, NCSU – Raleigh, NC — Summer 2025
- The class provides a discussion-based introduction to statistical practice, geared towards students in the final semester of their Master of Statistics degree.

Mentor, ASA DataFest 2025, NCSU – Raleigh, NC — March 28-March 30, 2025
- ASA DataFest is a yearly event hosted in collaboration with the American Statistical Association (ASA).
- Guided undergraduate teams in data mining and exploratory data analysis of complex, real-world datasets.
- Led a workshop on statistical learning and data-driven discovery to help participants efficiently explore

large-scale data.

Teaching Assistant, ST512, NCSU – Raleigh, NC   Fall 2024
- Class about experimental statistics for researchers.

Mentor, ASA DataFest 2023, UW – Seattle, WA   March 31-April 2, 2023
- Provided guidance on data analysis queries.
- Explored the data and offered tailored advice to enhance students' research approaches.

Grader/Reader, Stat 342 & 340 & 394 & 341, UW – Seattle, WA   Spring 2023-Spring 2024
- Class about probability and mathematical statistics.

Grader/Reader, Econ 431A, UW – Seattle, WA   Fall 2022
- Class about the economic effects of various governmental regulatory agencies and policies.
- Position requires adequate knowledge and good writing skills in Industrial Organization and Antitrust legislation concepts and cases.

COMPLETED MAJOR-RELATED COURSES:

Statistics:
- **Machine Learning for Big Data** (Python), **Causal Modeling**, **Statistical learning** (Python), **Non-parametric Regression and Classification** (R), **Advanced Statistical Inference**, **Advanced Regression Methods** (R), **Statistical Methods** (SAS), Statistical Computing (R & C++), Experimental Design, Concentration inequalities and High-dimensional Statistics, Stochastic Modeling of Scientific Data

Mathematics:
- Linear algebra, Mathematical (Real) Analysis, Multivariable Calculus, Mathematics of Finance

Economics/ Quantitative Economics:
- **Econometrics**, Intermediate Quantitative Economics (Microeconomics & Macroeconomics), Industrial Organization, Economics of Asymmetric Information, Managerial Economics

EXTRA SKILLS & QUALIFICATIONS

Skilled in R, Python, and SAS for statistical programming, data mining, and machine learning.

Proficient in Microsoft Office Suite and LaTeX for research report writing and presentations.

Bilingual in Mandarin and English with full professional proficiency in both written and spoken communication.