

Jiatong Ruan

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Department of Agricultural & Resource Economics
North Carolina State University, Raleigh, NC, US

EDUCATION

Ph.D. in Economics, North Carolina State University, Raleigh, NC	2024 – Present
M.S. in Economics of Population, Resources and Environment, Renmin University of China, China	2022 – 2024
B.S. in Economics and Management of Agriculture and Forestry, Northwest A&F University, China	2018 – 2022

RESEARCH FIELDS

Agricultural Economics, Environmental Economics

PUBLICATIONS

Zeng, X., Ruan, J., Li, K., Yu, C., Wang, Q., and Ruan, F. 2023. “Health impact and economic loss assessment of indoor PM2.5 pollution: A case during the COVID-19 lockdown period.” **Atmospheric Pollution Research**, 15(1).

WORK IN PROGRESS

“Air Quality Shocks and Agricultural Productivity: Evidence from Wildfire PM2.5 and Dairy Yields,” with Zach Raff

RESEARCH EXPERIENCE

Research Assistant for Prof. Zach Raff, NC State University, Raleigh, NC	Jan. 2026 – Present
- Examine precision agriculture technology policy and the impacts of air pollution on dairy production. - Conduct literature reviews, clean large-scale datasets, and estimate causal models.	
Research Assistant for Prof. Xiangang Zeng, Renmin University of China, Beijing, China	2023 – 2024
- Analyzed the health and economic impacts of indoor air pollution. - Conducted data visualization and manuscript writing.	
Research Assistant for Prof. Haibin Chen, Northwest A&F University, Shaanxi, China	2021 – 2022
- Evaluated the impacts of Grassland Ecological Compensation Policy payments on herders’ land-use decisions. - Conducted data cleaning, empirical analysis, and manuscript writing.	

TEACHING EXPERIENCE

Graduate Teaching Assistant, NC State University	2024 – 2025
- Principle of Microeconomics: Fall 2024 - Principle of Macroeconomics: Spring 2025, Fall 2025	

FELLOWSHIPS, AWARDS AND GRANTS

Graduate Fellowship, NC State University	2024
Conference Travel Grant, NC State University	2026

PRESENTATIONS

AAEA Annual Meeting (Kansas City, MO)	2026
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OTHER INFORMATION

Programming: STATA, MATLAB, R, SAS

Language: English(fluent), Mandarin(native)