

# LUJIE (ROGER) ZHOU

## Contact Information

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## Education

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**Ph.D. Economics**, Pennsylvania State University Expected 2026

Advisors: Andres Aradillas-Lopez ([aza12@psu.edu](mailto:aza12@psu.edu)), Keisuke Hirano ([kuh237@psu.edu](mailto:kuh237@psu.edu)), Marc Henry ([marc.henry@psu.edu](mailto:marc.henry@psu.edu)), Yubai Yuan ([yvy5509@psu.edu](mailto:yvy5509@psu.edu))

**M.S. Statistics; Agricultural and Resource Economics**, University of California, Davis 2020

**B.S. Statistics; Managerial Economics**, University of California, Davis 2018

## Research Interests

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Applied microeconomics, causal inference, econometrics, machine learning, social network analysis.

## Working Papers

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Heterogeneous Treatment Effects under Complex Network Interference. [code]

Efficient Computation of Confidence Sets Using Classification on Equidistributed Grids. [arXiv] [code]

## Work in Progress

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COLINA, A. R. AND L. ZHOU (2024): "The Impact of Short-Term Rental on Local Housing Markets: Evidence from Mexico," Banco de México working papers.

YUAN, Y. AND L. ZHOU (2023): "Online Causal Learning and Treatment Assignment in Networks," working paper.

## Referee Service

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*Econometric Reviews*

## Skills

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**Programming:** R, Python, SQL, Matlab, Julia, Stata.

**Languages:** English, Mandarin Chinese.

**Software:** Microsoft Office, L<sup>A</sup>T<sub>E</sub>X.

**Certificates:** CIRTL Teaching Certificate, Essentials of Online Teaching, Johns Hopkins Teaching Institute, Teaching with AI, Udemy SQL Bootcamp.

### *Professional Experience*

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**Summer Researcher**, the General Directorate of Financial System Issues, Banco de México 2024

**Graduate Student Researcher**, UC Davis 2018 - 2020

**Undergraduate Researcher**, Research Training Group, UC Davis 2018

#### **Teaching**

- ECON 106. Statistical Foundations for Econometrics, Penn State
- ECON 306. Introduction to Econometrics, Penn State

### *Presentations*

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General Directorate of Financial System Issues, Banco de México June 2024

The Institute for Computational and Data Sciences (ICDS) Symposium (Poster Session) October 2025

New York State Economics Association (NYSEA) Conference November 2025

NABE Tech Economics Conference (Lightning Talk & Poster Session) November 2025

The Econometric Society European Winter Meeting (EWMES 2025) December 2025

### *Awards & Honors*

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Ed Green Graduate Fund, Department of Economics, Penn State 2025

Optimization-Conscious Econometrics Summer Scholarship, UChicago 2024

Dean's Circle Award, UC Davis 2018