

Xin Zhang

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EDUCATION

Doctoral Studies

<i>Ph.D. in Economics</i> , Toulouse School of Economics	2021–2026 (expected)
<i>Visiting Scholar</i> , Northwestern University, Department of Economics	Jan–Apr 2025

Prior Education

<i>M.Sc. in Economic Theory and Econometrics</i> , Toulouse School of Economics	2019–2021
<i>B.Sc. in Economics and Management</i> , Zhongnan University of Economics and Law	2015–2019

REFERENCES

Pierre Dubois

Toulouse School of Economics
pierre.dubois@tse-fr.eu

Isis Durrmeyer

Toulouse School of Economics
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Yassine Lefouili

Toulouse School of Economics
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Thierry Magnac

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RESEARCH INTERESTS

Primary field: Empirical Industrial Organization, Health Economics

Secondary fields: Food Economics

TEACHING EXPERIENCE

Teaching Assistant

Toulouse School of Economics	
Game Theory, Master	2022, 2023, 2024
Intermediate Econometrics, Master	2024
Introductory Econometrics, Undergraduate	2024
Empirical Industrial Organization, Master	2023

OTHER POSITIONS

Research Assistant to Isis Durrmeyer, Toulouse School of Economics 2022

- Conducted demand and supply estimations using nationally aggregated data in the gasoline industry.

Research Assistant to Mathias Reynaert, Toulouse School of Economics 2021, 2020

- Conducted demand estimation and web-scraped data to analyze European food policy.

Research Assistant to Jie Shuai, Zhongnan University of Economics and Law 2016–2018

- Analyzed firms' price discrimination strategies using theoretical modeling.

Intern at Guotai Junan Securities, Wuhan 2017

- Developed and maintained client relationships.

AWARDS AND FELLOWSHIPS

Mobility grant to Northwestern University, Toulouse School of Economics 2025

Doctoral fellowship, Toulouse School of Economics 2020-2026

Student research award, Zhongnan University of Economics and Law 2019

PUBLICATION

Endogenous Third-Degree Price Discrimination in Hotelling Model with Elastic Demand
with Yixue Huo, Jie Shuai, and Tong Zhang, *Journal of Economics*, 127, 125-145 (2019)

WORKING PAPER

Patent Challenge and Generic Entry - Job market paper
with Hanlin Zhao

- Built a two-stage model to study generic entry incentives under patent challenges.
- Estimated costs of generic entry using moment inequalities.
- Provided policy insights on Hatch-Waxman exclusivity duration and its impact on market competition.

Tax Exemption for Feminine Sanitary Products: Evidence from the U.S Market

- Applied the DID approach and constant expenditure structural model to evaluate policy effects on feminine sanitary products affordability.
- Analyzed market responses and substitution patterns using large-scale retail scanner data.

WORK IN PROGRESS

Consumer Demand with Unobserved Stockpiling and Intertemporal Price Discrimination

with Pierre Dubois and Thierry Magnac

- Developing a dynamic model to quantify consumer stockpiling behavior and firms' pricing strategies.

Prescribing Behavior in Medical Deserts

with Philippe Choné, Pierre Dubois and Lionel Wilner

- Analyzing physicians' prescription patterns and evaluating the impact of policy reforms on physician allocation by the DID approach.

PRESENTATIONS

2025 TSE Empirical Micro Workshop, IO Lunch Seminar at Northwestern University, Brown Bag Seminar at Kellogg School of Management

2024 TSE IO Workshop, EEE Luchon workshop

2023 TSE IO Workshop

2017 CES Annual Conference, China

OTHER ACTIVITIES

Service: Mentor, Women in Economics Mentorship Program, TSE (2022–2023);

Co-organizer, TSE IO Workshop (2023–2024) and IO Reading Group (2024–2025)

OTHER INFORMATION

Empirical & Technical Skills:

- Applied econometrics: DID, staggered DID, triple differences, event studies, TWFE, RDD, instrumental variables, panel data methods.
- Structural modeling and estimation: demand models, dynamic models, counterfactual simulations.
- Large-scale data analysis: administrative and scanner data.
- Programming: Stata, R, Python, MATLAB, SAS.

Communication: Teaching experience in econometrics; presenting papers to general audiences

Languages: English (fluent), French (intermediate), Mandarin (native)

Citizenship: China