DING Huiyun

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Research Summary

My research bridges industrial organization, behavioral economics, and Bayesian econometrics. I develop theoretical and structural models to understand dynamic information asymmetries, learning processes, and the estimation of hidden states in epidemics and decision-making. Methodologically, my work combines microeconomic theory with data-driven inference using hierarchical Bayesian and inverse optimization frameworks.

Research Interests

Bayesian Estimation, Applied Microeconometrics, Network Influence Modelling, Behavioral Economics, and Industrial Organization.

Current Positions

Until now	Post-doctoral researcher, 2SEP, **ENS Rennes**, Bruz EU project: "YEAH! (Youth hEAlth from a Holistic perspective)", Supervisors: Boris CHEVAL, Alexis LE FAUCHEUR
May 2025	Post-doctoral researcher , **IESEG School of Management**, Lille Project 1: "Retrospective Bayesian Estimation for Multinational Pandemic Outbreaks", Project 2: "Profiling Loss Aversion Without Reference Points", Supervisors: Stefano NASINI, Deniz ERDEMLIOGLU
September 2023	PhD in Economics, THEMA, **CY Cergy Paris Université**, Paris Thesis: "Advertising Behaviors in Vertical Structures" Supervisors: Régis RENAULT, Gabriel DESGRANGES

Education

Spring 2024 & 2025	**"Quantitative Methods for Economics and Finance"**, IESEG Undergraduate, S2
Spring 2023	**"EUROPEAN ECONOMY AND POLICIES"**, Université Paris 1 Prof. Arnaud LECHEVALIER	Undergraduate, 2nd year
Fall 2022 & 2021	**"THE ECONOMY"**, Sciences Po Paris Prof. Kerstin HOLZHEU,	Undergraduate, 1st year
Spring 2022	**"Microeconomics for Decision Makers"**, Sciences Po Paris Prof. Charles OMAN,	Master 1

Publications

Bi, W., and **Ding, H.** (2025). Jump bidding in the war of attrition. *Mathematical Social Sciences*, 136, 102432. doi:10.1016/j.mathsocsci.2025.102432

Papers Under Review

Evolving Information Asymmetry in Searching.
by Huiyun Ding and Wei Bi.
R&R of International Journal of Industrial Organization.

Retrospective Bayesian Estimation for Multinational Pandemic Outbreaks.
by Stefano Nasini, Deniz Erdemlioglu, Huiyun Ding and Sophie Dabo-Niang.
Under review at Management Science.

Market of Fame. by Wei Bi and Huiyun Ding.
Under review at European Economic Review.

Working Papers

Profiling Loss Aversion Without Reference Points: An Econometric Framework.
by Huiyun Ding, Deniz Erdemlioglu, Stefano Nasini, and Uyanga Turmunkh.

An Integrated Structural Econometric Framework for Network Influence Discovery.
by Luis Perez, Huiyun DING, Stefano Nasini, and Murielle Candelle.

Difference in Information Disclosure for Private Labels: Classical Retailer vs. Online Platform.
by Huiyun Ding and Wei Bi.

Who Should Advertise in a Vertical Supply Chain? (solo-authored)

Dynamic Social Learning of Further Education for Rural Students. (solo-authored)

Teaching Experience

Statistiques TD (in French) – Université de Rennes, campus Le Harper, 2025, Master 2.
Quantitative Methods for Economics and Finance – IESEG, 2024–2025, Undergraduate.
European Economy and Policies – Université Paris 1, Spring 2023, Undergraduate.
The Economy – Sciences Po Paris, 2021–2022, Undergraduate.
Microeconomics for Decision Makers – Sciences Po Paris, Spring 2022, Master 1.

Conferences and Presentations

ADRES Doctoral Conference, Université de Strasbourg – Jan 2025.
50th EARIE Annual Conference, Luiss Guido Carli – Aug 2023.
ADRES Doctoral Conference, Université Paris Dauphine – Jan 2023.
49th EARIE Annual Conference, University of Vienna – Aug 2022.
48th EARIE Annual Conference, NHH Bergen – Aug 2021.

Memberships and Awards

Member: iRisk Research Group, IESEG School of Management (since 2025).
Doctoral Fellowship: CY Cergy Paris Université (2018–2021).

Technical Skills

Programming: Python (NumPy, pandas, PyMC3), R (tidyverse, brms), MATLAB, STATA.
Computing: Git, LaTeX, Overleaf.
Methods: Bayesian inference, EM algorithm, Structural estimation, MCMC.

Languages

English:	C2 (Fluent)
French:	C1 (Advanced)
Japanese:	A2 (Elementary)
Chinese:	Native