Xinquan Hu (胡新全)

huxinquan@163.sufe.edu.cn · (+86) 151-7147-8221 · https://xinquanhu.github.io/

Education

Shanghai University of Finance and Economics, School of Economics 2018.09 –Present

Economics, MA-Ph.D. Program, Supervisor: Prof. Lan Yao

Huazhong University of Science and Technology, School of Economics 2014.09 – 2018.06

Economic Statistics, Bachelor of Economics

Research Areas

Behavioral Economics, Experimental Economics, Microeconomics, Mechanism Design

Publication

Xinquan Hu, Jun Zhang (2024). Characterization of Top Trading Cycles with single-dipped preferences. Economics Letters, 241, 111822. https://doi.org/10.1016/j.econlet.2024.111822

Working Papers

- Two-stage Chinese College Admission (with Lan Yao and Jun Zhang), 2024.
  - **Abstract:** The Chinese college admission system employs a unique two-stage admission process where students are initially assigned to colleges and subsequently to majors. Notably, if a student is assigned to a college in the first stage but fails to be assigned to a major within that college in the second stage, she cannot reapply to other colleges (within the same tier), which introduces the potential for strategic behavior. In particular, students are compelled to accept an option called *major transfer* in their preference tables, which distorts their reported preferences and leads to undesirable assignments. This paper analyzes the deficiencies of the two-stage process by contrasting it with a modification that combines the two stages into one. Our arguments find support in laboratory experiments.
- Cognitive ability in matching with strategic uncertainty: An experimental study (with Lan Yao), 2024. Revise and resubmit, ***China Economic Review***
  - **Abstract:** Strategyproof mechanisms have become the predominant choice for educational institutions. However, both laboratory experiments and empirical evidence highlight the persistent occurrence of strategic misreporting, leading to adverse consequences. This underscores the need to examine the reporting strategies of students, particularly those with varying cognitive abilities, across different decision environments. We present an experimental comprehension test of reporting strategies using computerized opponents to precisely control the levels of strategic uncertainty. The results reveal that removing strategic uncertainty does not significantly affect truth-telling rates. However, subjects with median cognitive ability are more truthful under strategic uncertainty, especially when information is incomplete. Ad-

ditionally, providing information about priorities has a negative and significant impact on truth-telling rates. The findings of this research demonstrate that constructing a simplified market environment using computerized agents and providing relevant feedback to students can effectively enhance their understanding of the matching mechanism and nudge them to make optimal strategy choices.

Research Grants

- Participated in Major Project of National Natural Science Foundation of China (2024-2028), Decision and Game Theory in Economic Policy, Project No. 72394394
- Participated in General Project of National Natural Science Foundation of China (2023-2026), Mechanism Design for Improving Coordination Dilemmas: Theory and Experimental Research, Project No. 72273077

Academic Presentations

5th "China Behavioral and Experimental Economics Forum", Wuhan University 2023.06

Xiamen University International Workshop on Experimental Economics,Xiamen University 2022.12

Research Assistant

Research Assistant 2021.09 – 2022.06

- Provided research assistance for the project "Public Discourse and Socially Responsible Market Behavior" (Björn Bartling, Vanessa Valero, Roberto A. Weber and Lan Yao) and was acknowledged on the front page. The paper has been conditionally accepted by the American Economic Review.

Teaching Assistant

Advanced Microeconomics, Doctoral Course Fall 2022

Advanced Microeconomic II, Doctoral Course Spring 2021, 2022

Microeconomics, Graduate Course Fall 2020

Econometrics, Undergraduate Course Fall 2020

Awards

2022/2021/2020 SUFE PhD Second-Class Academic Scholarship

2019 SUFE China Merchants Bank Scholarship, Master's First-Class Academic Scholarship

2018 Merit Student of Huazhong University of Science and Technology (top 2%), Outstanding Graduates, National Encouragement Scholarship (twice, top 5%)

2017 Interdisciplinary Contest In Modeling Meritorious Winner

Skills

- Computer skills: *Python, R, Stata, Matlab*
- Experimental Economics : z-Tree, oTree