

Rongzhao Zhu

☎ (+61) 0474036570 | ✉ rongzhao.zhu@anu.edu.au | 🏠 roongzhao.github.io
Research School of Economics, The Australian National University
HW Arndt Building 25A, Kingsley Pl, Acton ACT 2601, Australia

Education

Australian National University

Ph.D. in Economics 2025(expected)

Supervisory panel: José A. Rodrigues-Neto (Chair), Ruitian Lang, Idione Meneghel

Research interest: Applied Game Theory, Decision Theory

Master of Economics With Commendation 2021

Wuhan University

Bachelor of Philosophy, Bachelor of Economics (Minor) 2019

Research

Family Time-Income Allocation (with José A. Rodrigues-Neto), *Working paper*.

Abstract: This paper models the time and income allocation of a two-agent family. Each agent chooses the time they spend producing a household public good and the time working to earn income. Agents have interdependent (altruistic) preferences and can make a voluntary financial transfer to the other agent. We find the Nash equilibrium (NE) of the non-cooperative game, and the corresponding allocation and utilities. We compare the non-cooperative NE to Pareto efficient allocations. In a cooperative family, agents allocate their time and income by symmetric Nash bargaining, using the non-cooperative NE as the disagreement point. Finally, this paper calculates the marginal effects in each agent's ability to earn income on the cooperative income allocation and the indirect utility.

Status Goods and Inequality (with Rogério Mazali and José A. Rodrigues-Neto), *Working in progress*.

Estimation of Deliberately Stochastic Model (with Sh. L. Liu and Jingni Yang), *Working in progress*.

Presentation

2025 Chinese Economists Society China Annual Conference (scheduled)

Biennial Conference of the Asian Consumer and Family Economics Association (scheduled)

2024 Research School of Economics Seminar Series, Australian National University

Australian Annual PhD Conference in Economics and Business

Teaching

Tutor, Australian National University

Microeconomic Analysis (Postgraduate) 2024 S1, 2025 S1

Advanced Microeconomic Analysis (Postgraduate) 2024 S2

Behavioral Economics (Undergraduate) 2022 S2, 2023 S2

Strategic Thinking: An Introduction to Game Theory (Undergraduate) 2023 S1

Skills

Programming: Python

Data Analysis: Eviews, STATA

Language: Mandarin (Native), English (Fluent)

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