

# Rongzhao Zhu

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Research School of Economics, The Australian National University

## Education

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### Australian National University

Ph.D. in Economics (expected) 2026

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

Research interest: Applied Game Theory, Decision Theory and Structural Estimation

Master of Economics With Commendation 2021

### Wuhan University

Bachelor of Philosophy, Bachelor of Economics (Minor) 2019

## Research

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### 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), *in progress*.

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

## Presentation

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### Conference

Chinese Economists Society China Annual Conference 2025

Biennial Conference of the Asian Consumer and Family Economics Association 2025

Australian Annual PhD Conference in Economics and Business 2024

### Seminar

University of Alicante 2025

Australian National University 2024

## Teaching

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### Teaching Assistant, 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

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**Programming:** Python

**Data Analysis:** Eviews, STATA

**Language:** Mandarin (Native), English (Fluent)