

Andrew A. Tai

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Education

Ph.D. Economics, UC Berkeley, 2018-present (expected graduation May 2024)

B.A. Economics & Applied Mathematics, UC Berkeley, 2015
with Highest Honors, Phi Beta Kappa

Research Interests

Microeconomic theory, matching, market design

Working Papers

“Revealed Preferences of One-Sided Matching.” [[arXiv](#)]

Abstract: Consider the object allocation (one-sided matching) model of Shapley and Scarf (1974). When final allocations are observed but agents’ preferences are unknown, when might the allocation be in the core? This is a one-sided analogue of Echenique, Lee, Shum, and Yenmez (2013). I build a model in which the strict core is testable – an allocation is “rationalizable” if there is a preference profile putting it in the core. Leveraging simple graph theory and combinatorial optimization, I give if and only if conditions for an allocation to be rationalizable. An allocation is rationalizable if and only if: whenever agents with the same preferences are in the same potential trading cycle, they receive the same allocation. The main theorem also partially identifies the set of preferences which rationalize an allocation.

Work in Progress

“Revealed Preferences of House-Swapping with Transferable Utility.”

“House-Swapping with Objective Indifferences.” (with Will Sandholtz)

“The Great Leap Forward: Assessing Official Accounts and Long Term Effects.” 2019. [[draft](#)]

Publications

“Measuring the Effects of Dollar Appreciation on Asia: A FAVAR Approach” (with Zheng Liu and Mark Spiegel). 2017. *Journal of International Money and Finance*.

“International Transmission of Japanese Monetary Shocks under Low and Negative Interest Rates: A Global FAVAR Approach” (with Mark Spiegel). 2019. *Pacific Economic Review*.

Conference Presentations / Posters

CLIMB Retreat 2022, UC Berkeley

Employment Experience

Research Assistant, for David Card, Summer 2019

Research Assistant, for Stefano DellaVigna, 2017-2018

- Collaborated with Professor Stefano DellaVigna on academic research in applied microeconomics
- Conducted econometric/statistical analyses in R and Stata on cross-sectional data
- Applied data scraping and language processing to compile data

Research Associate, Federal Reserve Bank of San Francisco, 2015-2017

(for Mark Spiegel, Zheng Liu, and Fernanda Nechio)

- Collaborated with PhD economists on peer-reviewed research and monetary policy briefings
- Developed econometric models for time series and panel data using large sets of financial and macroeconomic data
- Conducted statistical analyses in Stata and MATLAB
- Wrote general audience articles on economic issues and current research

Dissertation Committee

Haluk Ergin

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Teaching

ECON C110 – Game Theory in the Social Sciences

ECON 152 – Labor Economics

ECON 104 – Advanced Economic Theory

ECON 201A/B – Microeconomic Theory (PhD)