

# Chuyue TIAN

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## RESEARCH INTERESTS

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Empirical Industrial Organization, Econometrics, Political Economy

## EDUCATION

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### National University of Singapore (NUS), Singapore

Bachelor of Social Sciences in Economics

Aug 2019 — Jun 2024

Cumulative GPA: 4.95/5.00

- Degree classification: Honours (Highest Distinction)
- Awards
  - Lee Kuan Yew Gold Medal 2024: best graduate throughout the course of study
  - You Poh Seng Prize in Econometrics 2024: top scores in advanced econometrics classes
  - Dean's Scholar List & Dean's List 2022-2024: top 1% of Faculty of Arts & Social Sciences students
- Selected courses taken:
  - EC5101R Microeconomic Theory (Core PhD Course): A+
  - EC5326R Policy Impact Evaluation Methods (PhD Course): A+

Bachelor of Laws

- Degree classification and Award: First Class Honours, Overall Dean's List 2024

### Temasek Junior College, Singapore

Nov 2014 — Dec 2018

- SM1/JM3 Scholarship: 4-year scholarship offered by the Singapore government to the top 10-20 ninth grade students in a Chinese province for secondary and high school education in Singapore.

## WORK IN PROGRESS

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### Inconsistencies in Antitrust Decision-Making: Evidence from Global Shipyard Mergers Jun 2023 — Present

- *Research Goal & Methodology*: examine factors affecting antitrust authorities' decisions beyond market outcomes in the context of shipyard mergers. The market impact of each merger is first estimated by differences-in-difference and the BLP framework. A Bayesian persuasion model for antitrust authorities' decision-making process is then built to assess the significance of non-market factors in antitrust decisions.
- *Finding & Contribution*: antitrust authorities' decisions with respect to shipyard merger applications could not be fully explained by the difference in mergers' market outcomes. Factors such as the political cost of rejecting a merger make authorities more hesitant to reject an anti-competitive merger, which translates into higher prices that erode consumer welfare.
- *Conference*: presented at the 23rd Carroll Round Conference 2024, Georgetown University.

### Is Antitrust Enforcement in China Effective? Evidence from SAMR v. Alibaba (with Kenneth Khoo (NUS) and Martin Lai (CUHK)) Jan 2022 — Present

- *Research Goal & Methodology*: explore the dynamics of antitrust enforcement in the Chinese e-commerce platform market by examining the landmark decision of *SAMR v Alibaba* (2021) using an event study methodology complemented with a synthetic control analysis on affected firms' gross profit margins.
- *Finding & Contribution*: a long-horizontal event study shows that the antitrust enforcement is cumulatively associated with a 17-25% fall of Alibaba's abnormal returns, with a relatively smaller decrease for Alibaba's competitors. Synthetic control analysis reveals a 7-9% drop in Alibaba's gross profit margins as compared to similar firms. The investigation had a substantial negative impact on Alibaba's profitability, the estimate of which is significantly larger than the EU and US counterpart.
- *Project status*: Revise & Resubmit at the International Review of Law and Economics.
- *Conference*: Presented (by co-author) at the Academic Society for Competition Law, Asian Chapter Regional Workshop (ASCOLA 2023), Kyoto University, Faculty of Law.

### China Goes Hollywood (with Joris Mueller and Ruben Durante (NUS))

Dec 2023 — Present

- *Research Goal & Methodology*: test whether movies purportedly meant to convey Chinese propaganda have changed the international audience's views on political issues surrounding China by comparing people's attitude towards China shortly before and after the release of such a movie.
- *Project status*: preliminary data collection and analysis completed. Collecting richer data on US audience's attitude towards China and constructing measure of Chinese propaganda intensity in a movie.

## RA EXPERIENCE

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### NUS, Department of Economics & Business School

*Predoc Fellow*

Singapore

Aug 2024 — Present

- Distributional Effects of Vehicle Ownership Restrictions (with Hsin-Tien (Tiffany) Tsai and Kwok-Hao Lee (NUS))
  1. *Description:* use a dynamic model for individual car ownership decisions to study the welfare and distributional effect of vehicle control policies in Singapore.
  2. *Duty:* (i) use Python and STATA to construct a panel dataset tracking car owners in Singapore with more than 10 million observations; (ii) estimate a dynamic discrete choice model for car owner decision using MATLAB.
- China's Foreign Aid: Political Determinants and Economic Effects (with Joris Mueller (NUS))
  1. *Description:* how China's domestic political economy affects its foreign policy in terms of aid allocation.
  2. *Duty:* prepare empirical results used in the paper after data cleaning in STATA and Python, using packages such as pdslaso, ivlasso (STATA), ssaggregate (STATA), and openai (Python).

### Harvard Business School (HBS)

*Research Assistant*

USA

Jul 2024 — Oct 2024

- The Party and the Firm (with Jaya Wen (HBS), Joris Mueller (NUS) and Cheryl Wu (Yale))
  1. *Description:* document the rise of the Chinese Communist Party's (CCP) influence on Chinese firms over the last decade using a novel measure of party influence on firms.
  2. *Duty:* use NLP packages such as scikit-learn in Python to identify keywords that differentiate CCP language from the ordinary Chinese language; estimate firm markups following De Loecker & Warzynski (2012).

### NUS, Department of Economics

*Research Assistant*

Singapore

2022 — 2024

- Robust Semiparametric Estimation in Panel Multinomial Choice Models (with Ming Li (NUS) and Wayne Yuan Gao (UPenn))
  1. *Description:* a robust method for semi-parametric identification and estimation in panel multinomial choice models.
  2. *Duty:* (i) construct moment inequalities and the corresponding confidence sets using Cox and Shi (2023) in MATLAB; (ii) apply the estimation procedure on simulated data and the Nielsen data.
- Regulating Platform Fees (with Julian Wright (NUS))
  1. *Description:* a theoretical model showing that the efficient platform fee is equal to the platform's marginal cost plus the difference between suppliers' markups on the direct channel and suppliers' markups on the platform.
  2. *Duty:* (i) proof-read mathematical proofs; (ii) check if the assumptions made in the propositions suffice to rule out corner solutions using calculus techniques such as continuity and the Karush-Kuhn-Tucker conditions.
- Common Ownership, Markups, and Corporate Governance (with Kenneth Khoo (NUS))
  1. *Description:* test whether a firm-level measure of common ownership is associated with reduced competition.
  2. *Duty:* develop a fuzzy matching algorithm to map fund investors to invested companies using Compustat data.

## OTHER AWARDS

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### Student Life Award - Campus Vibrancy

Awarded to exceptional individuals and student groups for noteworthy contributions to the university in areas outside the academic curriculum

NUS

Feb 2023

### CCCS-ESS Essay Competition, Second Prize

Nationwide essay competition co-hosted by the Competition and Consumer Protection Commission of Singapore (CCCS) and the Economic Society of Singapore (ESS), open category

CCCS, ESS

Aug 2022

## SKILLS

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- **Programming:** STATA, Python, MATLAB, R, LaTeX
- **Languages:** English (proficient), Mandarin (native)