

Yuehong Cassandra Tai

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ACADEMIC APPOINTMENTS

Postdoctoral Researcher Center for Social Data Analytics, Pennsylvania State University. 2022-2023

EDUCATION

Ph.D. Program in Political Science, University of Iowa, U.S.A. 2017-2022

Fields: Comparative Politics, Political Methodology, American Politics

Dissertation Title: The Role of Trust in Governance: Public Health and Tax Compliance in Cross-National Comparative Perspective

Committee: Frederick Solt (Chair), William Reisinger, Caroline Tolbert, Julie Pacheco, and Elizabeth Suhay (American University)

Dissertation Abstract:

Why do some countries fail to immunize their populations? Why, despite their natural reluctance to pay taxes, do people pay taxes? The conventional response to these questions points to failures of state capacity. However, I argue that to fully understand policy outcomes, we need to consider the roles that trust play in governance. I further argue, at the aggregate level, regarding shared-interests policies, such as vaccination, trust in implementing institutions plays a more considerable role than trust in representational institutions. At the individual level, for conflicting-interests policies, such as taxation, the development of democratic institutions shapes the role of generalized trust in tax compliance attitudes. Drawing from 2,108 national surveys, I employ a Bayesian IRT model, I measure and create a political trust data set covering 150 countries over 47 years, from 1973 to 2020. Results show that trust in implementing institutions has the most considerable effect on vaccination coverage; people who trust in others are less willing to pay taxes in less democratic countries. My research implies that improving the quality of bureaucracy, and the accountability as well as inclusiveness of political institutions, will prepare governments for governance challenges like future pandemics and climate change.

MSc in International Political Economy, Nanyang Technological University, Singapore 2008

LL.B. in Diplomacy, Renmin University of China, China 2007

RESEARCH INTERESTS

Comparative Politics

Comparative Public Opinion, Policy Diffusion, Chinese Politics, Political Communication.

Political Methodology

Computational Modeling, Bayesian Statistics, Measurement Models, Machine Learning.

PUBLICATION

“Democracy, Public Support, and Measurement Uncertainty” (with Yue Hu and Frederick Solt) *American Political Science Review*. FirstView: <https://doi.org/10.1017/S0003055422000429>. Preprint: <https://osf.io/preprints/socarxiv/y5fdv/>.

“Determinants of Chinese Provinces’ Responses to the 2018 Vaccine Scandal: Policy Orientation and Neighboring Effect” *Asian Survey*

WORKS IN PROGRESS

Under Review

- “Policy Adoption and Diffusion during the COVID-19 Crisis” (with Jielu Yao and Elise Pizzi)
- “Policy Burden, Issue Salience, and COVID-19 Policy Adoption in China” (with Jielu Yao and Elise Pizzi)
- “Judge’s Gender and Oral Language Skills: An Empirical Analysis of Chinese Courtroom Audio” (with Dong Erico Yu)

Working Paper

- “Dynamic Trust and States’ Failure in Public Health: Evidence from a Global Time Series Data” (Dissertation Chapter)
- “Gubernatorial Executive Orders vs Legislation: Determinants of States’ Action Choice during COVID19 Pandemic”
- “Who is Influencing Public Opinion during a Public Health Crisis on Social Media in China?”
- “Private VS Public Social Media: Private One Produces Critical Public Opinion in China”

CONFERENCE PRESENTATIONS

- “Policy Burden, Issue Salience, and COVID-19 Policy Adoption in China” (with Jielu Yao and Elise Pizzi), APSA Chinese Politics Mini-Conference Oct 2021
- “Judge’s Gender and Oral Language Skills: An Empirical Analysis of Chinese Courtroom Audio” (with Dong Erico Yu), Race, Gender, and the Judiciary Panel, APSA Conference Oct 2021
- “Democracy, Public Support, and Measurement Uncertainty” (with Yue Hu and Frederick Solt), Joint Quantitative Political Science Conference for Asia and Australasia Jan 2021
- “Policy Orientation and Diffusion in Responsive Governance: Responses to the Chinese 2018 Vaccine Scandal”, Association of Chinese Political Studies Annual Meeting Nov 2020
- “Who is Influencing Public Opinion during a Public Health Crisis on Social Media in China?”, Southern Political Science Association Conference Jan 2020

TEACHING EXPERIENCE

Method Courses

- Instructor, Hawkeye Poll (Undergraduate Level), University of Iowa Spring 2022
 - Guided students to design HP survey questions on both national and local politics, field survey via phone and online, analyze data, release press, and write analytical paper.
- Guest Lecturer, Advanced Method (Graduate Level), University of Iowa Fall 2021
 - Machine Learning
- Teaching Assistant, Bayesian Modeling for the Social Sciences II:Advanced Topics, ICPSR Program, University of Michigan Summer 2021
 - Graded students’ assignments with detailed comments and offered one-on-one consultations on students’ personal project.
- Guest Lecturer, Analyzing Political Data (Undergraduate Level), University of Iowa Spring 2021
 - P-Value
 - Multiple Regression
- Invited Talk, Intro to Python, East China Normal University, Shanghai Dec 2020
 - Introducing web scraping, social media data wrangling and analysis

Comparative Politics and American Politics Courses

University of Iowa

Guest Lecturer, Public Opinion (Undergraduate Level)	Fall 2021
Public Opinion and Democracy	
Guest Lecturer, National Security Policy (Undergraduate Level)	March 2020
Cyber Security	
Teaching Assistant, Intro to Political Behavior	Fall 2019
Conducted weekly discussion sections and offered guidelines and suggestions for each of group projects.	
Teaching Assistant, Intro to Comparative Politics	Fall 2018, Spring 2019
Prepared supporting materials for sections, delivered brief lectures in section, and crafted weekly worksheets.	
Teaching Assistant, The Presidency	Fall 2017
Graded papers.	
Teaching Assistant, (Online Course) Intro to Comparative Politics	Summer 2018,2019
Provided students with detailed feedback on their assignments and graded papers.	

RESEARCH POSITIONS

Statistical Consultant, Venture Forward , GoDaddy Inc	Spring 2020 - Summer 2021
Collaboration with Professor Caroline Tolbert (University of Iowa) and GoDaddy Inc (the world's largest registrar of domain names,) to analyze how microbusinesses empower community economically and provide tools for policymakers, using a dataset of 20+ million domain name websites in the U.S.	
Project Member, Iowa Hawkeye Poll, University of Iowa	Fall 2019
Aided in the creation and analysis of a survey designed to measure Iowan's political preferences in U.S 2020 presidential election.	
Tweets on Immigration Project, University of Iowa	Summer 2019
Work with Professor Bryce Dietrich on analyzing how Trump's tweets changed the way Americans talk about immigration on Twitter.	
Standardized World Income Inequality Database Project,University of Iowa,	Summer 2019
Assist Professor Frederick Solt with inequality data collection.	
Comparative Political Trust Project, University of Iowa	Spring 2018
Work with Professor Wenfang Tang to combine global survey datasets and conducted analysis.	

AWARDS & HONORS

Nominated to Global Student Awards,University of Iowa	Fall 2021
Graduate Post-Comp Research Fellowship (\$10,500), University of Iowa	Fall 2021
Graduate College Summer Fellowship (\$5,000), University of Iowa	Summer 2021
Department Research Grant (\$1,000), University of Iowa	Spring 2020
GSS Travel Funds (\$1,000), University of Iowa	Spring 2020
Department Research Grant (\$300), University of Iowa	Spring 2019
Center for Asian and Pacific Studies Graduate Travel Grant (\$500), University of Iowa	Fall 2019
Department Summer Training Grant (\$2400), University of Iowa	Summer 2018

DISCIPLINE AND CAMPUS SERVICE

iPeer Mentor: *iPeer Mentorship Program*. International Student and Scholar Services, University of Iowa 2021

Discussant: *Government Transparency in China*. Midwest Political Science Association Annual Meeting Apr 2021

Session Chair and Discussant for *Time and Space*. Political Science Methodology Conference for Asia and Australasia Jan 2021

Co-Host: *2020 Iowa Caucus Conference*. University of Iowa Feb 2020

Session Chair for *Understanding Polarization, Covid & Computation and Social Media & Politics*. Politics and Computational Social Science and Political Networks Aug 2020

Discussant: *Chinese Politics*. Southern Political Science Association Conference Jan 2020

PROFESSIONAL AFFILIATIONS

Member of American Political Science Association
Member of Midwest Political Science Association
Member of Association of Chinese Political Science
Member of Southern Political Science Association
The Society for Political Methodology

ADDITIONAL TRAINING AND SKILLS

Certificate

Certificate in Informatics, The University of Iowa, U.S.A. 2021
Programming in Python, Java, and SQL.
ICPSR, University of Michigan, Ann Arbor, MI 2018
Causal Inference for the Social Sciences & Multilevel Models II: Advanced Topics.

Skills

Analysis & Programming: R, Stata, Python, Stan, JAGS, SQL, Mplus, Java.
Application: L^AT_EX, Markdown, Git(GitHub).
Language: English, Chinese (Mandarin)

REFERENCES

Frederick Solt, Ph.D frederick-solt@uiowa.edu; (319)335-2340
Associate Professor, University of Iowa
William M. Reisinger, Ph.D william-reisinger@uiowa.edu; (319)335-2351
Professor, University of Iowa
Caroline Tolbert, Ph.D caroline-tolbert@uiowa.edu; (319)335-2471
Professor, University of Iowa
Elizabeth Menninga, Ph.D elizabeth-menninga@uiowa.edu; (319)335-3835
Assistant Professor, University of Iowa