

# Yuehong Cassandra Tai

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## ACADEMIC APPOINTMENTS

**Postdoctoral Scholar** Center for Social Data Analytics, Pennsylvania State University. 2022-Present

## EDUCATION

**Ph.D.** 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)

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

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

## RESEARCH INTERESTS

### Comparative Politics

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

### Political Methodology

Bayesian Statistics, Item Response Theory, Text Analysis, Machine Learning, Duration Models.

## PUBLICATIONS

### Public Opinion, Democratization, and Measurement

**Tai, Yuehong Cassandra**, Yue Hu, and Frederick Solt. Forthcoming. “Democracy, Public Support, and Measurement Uncertainty.” *American Political Science Review*. [FirstView](#). [Preprint](#).

### Policy Adoption/Diffusion in Public Health

**Tai, Yuehong Cassandra**, Jielu Yao and Elise Pizzi. Forthcoming. “Policy Adoption and Diffusion during the COVID-19 Crisis” *Journal of Asian Public Policy*.

**Tai, Yuehong Cassandra**. Forthcoming. “Determinants of Chinese Provinces’ Responses to the 2018 Vaccine Scandal: Policy Orientation and Neighboring Effect” *Asian Survey*.

## WORKS IN PROGRESS

### Under Review

Yao, Jielu, **Yuehong Cassandra Tai**, and Elise Pizzi. “Policy Burden, Issue Salience, and COVID-19 Policy Adoption in China”

Hu, Yue, **Yuehong Cassandra Tai**, and Frederick Solt. “On Data ‘Janitor Work’ in Political Science”

Yu, Dong Erico and **Yuehong Cassandra Tai**. “Judge’s Gender and Oral Language Skills: An Empirical Analysis of Chinese Courtroom Audio”

### Working Paper

“Misinformation in State Legislators’ Tweets” (with Bruce A.Desmaries)

“When Correcting Misinformation Does Not Work: Creating Norms for Public Health” (with Frederick J. Boehmke)

“Public Opinion on Climate Change and Environmental Policy Adoption Across Countries over Time”  
(with Xun Cao)

“Dynamic Trust and States’ Failure in Public Health: Evidence from a Global Time Series Data” (Dissertation Chapter)

“Trust in Bureaucracy” (with Frederick Solt)

“Policy Imitation in China” (with Jielu Yao and Elise Pizzi)

## CONFERENCE PRESENTATIONS

“Examining States’ Public Health Failures by Measuring Trust Cross Countries and Over Time”  
C-SoDA Kickoff Poster Presentation Sep 2022

“Dynamic Trust and States’ Failure in Public Health: Evidence from a Global Time Series Data”  
Midwest Political Science Association Conference Apr 2022

Iowa Women Studying Politics (IWSP) Conference Feb 2022

“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 (non-presenting co-author) 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

### Methods Courses

Independent Instructor, University of Iowa

Hawkeye Poll (Undergraduate Level), Spring 2022  
Guided students to design survey questions on both national and local politics, carry out telephone  
interviews, analyze and interpret data, and write release press and analytical papers. [Results from  
March/April 2022 Hawkeye Poll.](#)

Teaching Assistant, University of Michigan

Bayesian Modeling for the Social Sciences II: Advanced Topics, ICPSR Program, Summer 2021  
Graded students’ assignments with detailed comments and offered one-on-one consultations on  
students’ individual projects.

Guest Lecturer, University of Iowa

Advanced Methods Seminar (Graduate Level), Fall 2021  
Machine Learning

Analyzing Political Data (Undergraduate Level), Spring 2021  
P-Value & Multiple Regression

Invited Workshop, East China Normal University, Shanghai

Introduction to Python (Graduate Level), Dec 2020  
Web scraping, social media data wrangling and analysis

### Comparative Politics and American Politics

Guest Lecturer, University of Iowa

Public Opinion Fall 2021

Public Opinion and Democracy

National Security Policy Spring 2020

Cyber Security

Teaching Assistant, University of Iowa

Introduction to Political Behavior	Fall 2019
Introduction to Comparative Politics	Fall 2018, Spring 2019
The Presidency	Fall 2017
Introduction to Comparative Politics (Online Course)	Summer 2018, 2019

## RESEARCH POSITIONS

Statistical Consultant, <a href="#">Venture Forward</a> , GoDaddy Inc	Spring 2020 - Summer 2021
Collaborated with Professor Caroline Tolbert (University of Iowa) and GoDaddy Inc (the world's largest registrar of domain names) to analyze how microbusinesses empower communities 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 the 2020 U.S. presidential election.	
Tweets on Immigration Project, University of Iowa	Summer 2019
Worked 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
Assisted Professor Frederick Solt with inequality data collection.	
Comparative Political Trust Project, University of Iowa	Spring 2018
Worked with Professor Wenfang Tang to combine global survey datasets and conducted analysis.	

## AWARDS & HONORS

Nominated for Global Student Award, University of Iowa	Fall 2021
Finalist for annual "Thesis Challenge," 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

## DISCIPLINARY AND CAMPUS SERVICE

<b>Committee Member:</b> Post-doctoral Scholar Committee. College of the Liberal Arts, Pennsylvania State University	2022
<b>iPeer Mentor:</b> iPeer Mentorship Program. International Student and Scholar Services, University of Iowa	2021
<b>Discussant:</b> Government Transparency in China. Midwest Political Science Association Annual Meeting	Apr 2021
<b>Session Chair and Discussant:</b> Time and Space. Political Science Methodology Conference for Asia and Australasia	Jan 2021
<b>Co-Host:</b> <a href="#">2020 Iowa Caucus Conference</a> . University of Iowa	Feb 2020
<b>Session Chair:</b> Understanding Polarization, COVID & Computation and Social Media & Politics. Politics and Computational Social Science and Political Networks	Aug 2020
<b>Discussant:</b> 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  
Member of The Society for Political Methodology

## ADDITIONAL TRAINING AND SKILLS

### Certificates

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,  $\text{\LaTeX}$ , Markdown, Git (GitHub).

Language: English, Chinese (Mandarin)

## REFERENCES

**Frederick Solt, Ph.D**

[frederick-solt@uiowa.edu](mailto:frederick-solt@uiowa.edu); (319)335-2340

Associate Professor, University of Iowa

**William M. Reisinger, Ph.D**

[william-reisinger@uiowa.edu](mailto:william-reisinger@uiowa.edu); (319)335-2351

Professor, University of Iowa

**Caroline Tolbert, Ph.D**

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Professor, University of Iowa

**Bryce J. Dietrich, Ph.D**

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Associate Professor, Purdue University

**Elizabeth Menninga, Ph.D**

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Associate Professor, University of Iowa