

# Yuehong Cassandra Tai

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## EDUCATION

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

*Fields:* Comparative Politics, Political Methodology, American Politics

*Dissertation Title:* Public Trust and Governance Challenges

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

### Dissertation Abstract:

In my dissertation, I propose taking comparative trust and policy attributes to understand that different types of trust have reinforcing or counterbalancing effects on public compliance with policies, and these effects vary across policy attributes. I argue that trust in implementing institutions should be most important in policies where the state and public share the interest, such as vaccination while the importance of political trust will be at least matched by that of social trust in policies where the interests of state and society have a fundamental tension, such as taxation. Drawing from 250 survey datasets, I employ a sophisticated Bayesian IRT model, to measure trust in representative institution, trust in implementing institution, generalized trust, and particularized trust. I create a comprehensive trust data set covering 151 countries over 47 years, from 1973 to 2020. To identify the causal effects, I use causal graphs and run a dynamic fixed-effects model with system generalized method of moments estimator. I find that trust in implementing institutions has the most considerable effect on compliance with vaccination. I contend the importance of political trust is at least matched by that of social trust on compliance with taxation. My dissertation concludes that to break the vicious circle of public distrust and deadlock of policy reform, policymakers and policy implementors should rebuild public trust in preparing for governance challenges like future pandemics, infodemics, 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, Trust, Policy Analysis, Chinese Politics, Political Communication.

### Political Methodology

Bayesian Statistics, Measurement Models, Machine Learning, Duration and Spatial Analysis.

## WORKS IN PROGRESS

### Revised & Resubmitted

“Democracy, Public Support, and Measurement Uncertainty” (with Yue Hu and Frederick Solt)  
at *American Political Science Review*

## Under Review

“Judge’s Gender and Oral Language Skills: An Empirical Analysis of Chinese Courtroom Audio”  
(with Dong Erico Yu) at *Politics and Gender*

“Policy Orientation and Diffusion in Responsive Governance: Responses to the Chinese 2018 Vaccine Scandal” at *Policy Studies Journal*

## Working Paper

### *Policymaking and Policy Diffusion*

“When does Crisis Severity Speed Response? Policy Burden and COVID-19 Policy Adoption in China” (with Jielu Yao and Elise Pizzi)

“Gubernatorial Executive Orders vs Legislation: Determinants of States’ Action Choice during COVID19 Pandemic”

### *Political Communication and Social Media*

“Who is Leading Public Opinion on Social Media in China”

“Has President Trump Changed the Way Americans Talk about Immigration on Twitter?” (with Bryce J. Dietrich, Nick Beauchamp, Caglar Koylu, and Jielu Yao)

“Maintaining authoritarian resilience during the public health crisis: An analysis of Chinese state media’s social media posts during the COVID-19 outbreak” (with Ge Zhu, Rachel Young, Li Chen)

## CONFERENCE PRESENTATIONS

“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

### **Guest Lecturer, University of Iowa**

Advanced Method (Graduate Level) Fall 2021

Machine Learning

Analyzing Political Data (Undergraduate Level) Spring 2021

P-Value

Multiple Regression

National Security Policy (Undergraduate Level) March 2020

Cyber Security

## Teaching Assistant

*ICPSR Summer Program, University of Michigan*

Bayesian Modeling for the Social Sciences II:Advanced Topics Summer 2021

Graded students' assignments with detailed comments and offered one-on-one consultations on students' personal project.

*University of Iowa*

Intro to Political Behavior Fall 2019

Conducted weekly discussion sections and offered guidelines and suggestions for each of group projects.

Intro to Comparative Politics Fall 2018, Spring 2019

Prepared supporting materials for sections, delivered brief lectures in section, and crafted weekly worksheets.

The Presidency Fall 2017

Graded papers.

(Online Course) Intro to Comparative Politics Summer 2018,2019

Provided students with detailed feedback on their assignments and graded papers.

## Invited Talks

*East China Normal University, Shanghai*

Intro to Python: Web Scraping, Social Media Data Wrangling and Analysis Dec 2020

## RESEARCH POSITIONS

Statistical Consultant, Project Haystack, GoDaddy.com Spring 2020 - Summer 2021

Collaboration with Professor Caroline Tolbert (University of Iowa) and GoDaddy.com to measure the density of domain name websites (at the CBSA, county, and zip code level) using a dataset of 26 million GoDaddy customers in the US.

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 empirical analysis.

## AWARDS & HONORS

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|--|-------------|
| 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

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|---|----------|
| <b>iPeer Mentor:</b> <i>iPeer Mentorship Program</i> . International Student and Scholar Services, University of Iowa   | 2021     |
| <b>Discussant:</b> <i>Government Transparency in China</i> . Midwest Political Science Association Annual Meeting   | Apr 2021 |
| <b>Session Chair and Discussant</b> for <i>Time and Space</i> . Political Science Methodology Conference for Asia and Australasia   | Jan 2021 |
| <b>Co-Host:</b> <i>2020 Iowa Caucus Conference</i> . Department of Political Science, University of Iowa<br>Conference Details: <a href="https://clas.uiowa.edu/polisci/Shambaugh-2020Caucus">https://clas.uiowa.edu/polisci/Shambaugh-2020Caucus</a> | Feb 2020 |
| <b>Session Chair</b> for <i>Understanding Polarization, Covid &amp; Computation and Social Media &amp; Politics</i> . Politics and Computational Social Science and Political Networks  | Aug 2020 |
| <b>Discussant:</b> <i>Chinese Politics</i> . 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

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| 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, Python, Stan, JAGS, Stata, SQL, Mplus, Java.

Application:  $\text{\LaTeX}$ , 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**

[caroline-tolbert@uiowa.edu](mailto:caroline-tolbert@uiowa.edu); (319)335-2340

Professor, University of Iowa

**Elizabeth Menninga, Ph.D**

[elizabeth-menninga@uiowa.edu](mailto:elizabeth-menninga@uiowa.edu); (319)335-3835

Assistant Professor, University of Iowa