

Yuehong Cassandra Tai

The Center for Social Data Analytics, Pennsylvania State University, University Park, PA 16802

✉ yhcasstai@psu.edu 📞 [Tyhcass](#) 📱 [cassyehtai.netlify.app](#)

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 AREAS

Political Science

Public Opinion, Misinformation, Democratization, Policy Diffusion, Chinese Politics.

Computational Social Science

Bayesian Measurement Models, NLP/Text-as-data, Machine Learning, Statistical Models.

PUBLICATIONS

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

Tai, Yuehong Cassandra, Jielu Yao and Elise Pizzi. 2022. “Policy Adoption and Diffusion during the COVID-19 Crisis” *Journal of Asian Public Policy*.

Tai, Yuehong Cassandra. 2022. “Determinants of Chinese Provinces’ Responses to the 2018 Vaccine Scandal: Policy Orientation and Neighboring Effect” *Asian Survey*.

WORKS IN PROGRESS

Under Review

Tai, Yuehong Cassandra, Roan Buma and Bruce A. Desmarais. “Official Yet Questionable: Examining Misinformation in U.S. State Legislators’ Tweets” (Accepted at *Journal of Information Technology & Politics*)

Hu, Yue, **Yuehong Cassandra Tai**, and Frederick Solt. “On Data ‘Janitor Work’ in Political Science” (Revised and resubmitted at *Political Science Research and Methods*)

Hu, Yue, **Yuehong Cassandra Tai**, Hyein Ko, Byung-Deuk Woo, and Frederick Solt. “Support for Democracy Is Multidimensional: Why Unidimensional Latent Variable Measures of Democratic Support Are Invalid”

Woo, Byung-Deuk, Hyein Ko, **Yuehong Cassandra Tai**, Yue Hu, and Frederick Solt. “Measuring Tolerance of Homosexuality in the Mass Public Across Countries and Over Time”

Working Paper

“The Prevalence of Misinformation in U.S. State Legislators’ Facebook Posts” (with Yu-ru Lin and Bruce A. Desmarais)

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

“How Does Public Opinion Affect Climate Change Policies?” (with Xun Cao and Yifei Zhu)

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

“Trust in Bureaucracy” (with Frederick Solt)

“The Skeptical Public: Trust in the United Nations” (with Yooneui Kim)

“Policy Burden, Issue Salience, and COVID-19 Policy Adoption in China” (with Jielu Yao and Elise Pizzi)

CONFERENCE PRESENTATIONS

“The Prevalence of Misinformation in U.S. State Legislators’ Facebook Posts”
American Political Science Association Conference 2023, LA Sep 2023

“Dynamic Trust and States’ Failure in Public Health: Evidence from Global Time Series Data”
American Political Science Association Conference 2023, LA Aug 2023

“The Prevalence of Misinformation in U.S. State Legislators’ Facebook Posts”
State Politics and Policy Conference 2023, PSU May 2023

“How Does Public Opinion Affect Climate Change Policies? Constructing Measures of Climate Change Public Concern and Testing Their Effects on Policy Outputs”
Political Economy and International Relation Workshop, PSU Mar 2023

“The Skeptical Public: Trust in the United Nations” with Yooneui Kim
International Studies Association Conference (non-presenting co-author) Mar 2023

“The Upsides and Downsides of Generalized Trust: The Mediating Effect of Democratic Institutions and Trust in Implementing Institutions”
Southern Political Science Association Conference Jan 2023

“Democracy, Public Support, and Measurement Uncertainty”
C-SoDA Brownbag Series Oct 2022

“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 Eric 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

Instructor, Penn State University

SoDA 308: Research Design for Social Data Analytics (Undergraduate Level), Fall 2023

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, [Venture Forward](#), 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

- Planning Committee Member:** 16th Postdoctoral Research Symposium. Pennsylvania State University 2023
- Committee Member:** Post-doctoral Scholar Committee. College of the Liberal Arts, Pennsylvania State University 2022
- 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:** 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:** 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
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, \LaTeX , Markdown, Git (GitHub).

Language: English, Chinese (Mandarin)

REFERENCES

Frederick Solt, Ph.D

frederick-solt@uiowa.edu; (319)335-2340
Associate Professor, University of Iowa

Xun Cao, Ph.D

xuc11@psu.edu; (814) 865-8749
Professor, Penn State University

Caroline Tolbert, Ph.D

caroline-tolbert@uiowa.edu; (319)335-2471
Professor, University of Iowa

Bruce A. Desmarais, Ph.D

bdesmarais@psu.edu; (814) 863-1595,
Professor, Penn State University

Bryce J. Dietrich, Ph.D

bjdietri@purdue.edu; (765)494-4161
Associate Professor, Purdue University

Elizabeth Menninga, Ph.D

elizabeth-menninga@uiowa.edu; (319)335-3835
Associate Professor, University of Iowa