

# Yujie Zhang

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## EDUCATION

<b>University of Houston</b>	Houston, TX, USA
<i>Ph.D. in Economics</i>	2020 - present
<b>Hanyang University</b>	Seoul, Korea
<i>Master of Arts in Economics and Finance</i>	2016 - 2018
<b>Tianjin University</b>	Tianjin, China
<i>Bachelor of Engineering in Ocean and Naval Engineering</i>	2012 - 2016

## PUBLICATIONS AND WORKING PAPERS

### Are Natural Disasters Disastrous for Learning? Evidence from Seven Asian Countries

with Jere Behrman, Emily Hannum, Minhaj Mahmud, and Fan Wang; *Under Review*; [\[Draft\]](#) [\[Slides\]](#)

- **Summary:** We estimate natural disaster impacts on school enrollments and math skills by linking survey data on children aged 5 to 17 to time- and geo-coded disasters. There are significant negative effects of early life exposures on enrollments and math skills and the heterogeneities exist across genders, ages, and regions.
- **Data:** (1) [UNICEF Multiple Indicator Cluster Surveys \(MICS\)](#); (2) [EM-DAT Disaster Database](#)

### The Long-Term Human Capital Consequences of Exposures to Natural Disasters: Evidence from India

*Working Paper* [\[Draft\]](#)

- **Summary:** Linking over 500 natural disasters in India with panel survey data, I construct a sample of 71,000 individuals in adolescence and adulthood with exposure trajectories, and find that early-life exposures lead to lower educational attainment, higher prevalence of chronic health conditions, and reduce labor force participation.
- **Data:** (1) [India Human Development Survey](#); (2) [India Census](#); (3) [EM-DAT Disaster Database](#)

### The Effect of Children Gender on Younger Siblings' Health Outcomes

*Working Paper*

- **Summary:** I estimate the effects of children's gender structure in two-child families on the health outcomes of younger siblings and discover that different gender compositions significantly affect younger siblings' mortality rates, with second-born daughters benefiting the most in households with both a son and a daughter.
- **Data:** [Demographic and Health Surveys \(DHS\)](#) from 36 countries

### News-driven Business Cycles: Evidence from Investors' Expectations of Future Stock Market Returns

with Deokwoo Nam; *Journal of Economic Research*, 27.1 (2022): 1-22. [\[Download\]](#)

- **Summary:** We use expectations of stock returns as new proxy for future fundamentals in sign-restricted structural VAR model, and find that business cycles can arise on this basis without change in current productivity and that this proxy could be an explicit measure compared with stock prices and consumer confidence.

## RESEARCH EXPERIENCE

### Strengthening Policies on Climate Change in Asia and the Pacific

Hybrid

*Consultant for [Asian Development Bank](#)*

*Jul 2024 - present*

- **Abstract:** (1) Identify heat hot spots at both national and local levels (cities and metropolitan areas) in selected Asian countries. (2) Contribute new evidence on the health impacts of heat and quantify the economic costs of climate change in terms of physical health and human capital.
- **Data:** (1) [ERA5-HEAT temperature data](#); (2) [Satellite-derived PM2.5 data](#)

### PIRE Project

Hybrid

*Doctorate Researcher*

*Jan 2023 - present*

- **Investigators:** Jere Behrman, Emily Hannum, and Fan Wang
- **Abstract:** [Climate risk, pollution, and childhood inequalities in low- and middle-income countries](#)
- **Partners:** University of Pennsylvania, University of Houston, Asian Development Bank, Inter-American Development Bank, Regional Institute for Population Studies in Ghana, UNICEF, and World Bank

## Census Household Pulse Survey Data Analysis

Houston, TX, USA

Graduate Researcher for *Institute for Research on Women, Gender and Sexuality*

Jun 2022 - Jun 2023

- **Summary:** Track households' experience with hardship and recovery from the Covid-19 Pandemic in Houston/Harris County and how it differs by gender, sexual orientation, and household income level.
- **Data:** [Census Household Pulse Survey](#)

## LGBTQ+ Support Project

Houston, TX, USA

Graduate Researcher for *Institute for Research on Women, Gender and Sexuality*

Jun 2022 - Jun 2023

- Collaborate with [Montrose Center](#) to organize information and collect raw data.

## Car Accident Related to Alcohol Use and Liver Disease

Houston, TX, USA

Research Assistant for Elaine M. Liu (U of Houston)

Feb 2022

- **Summary:** Analyze 15 years of county-level data on car accident mortality related to alcohol use, as well as mortality and morbidity from liver disease.
- **Data:** (1) [Fatality Analysis Reporting System \(FARS\)](#); (2) [National Health Interview Survey \(NHIS\)](#); (3) [Mortality Multiple Cause Files](#); (4) [Multiple Cause of Death Data](#); (5) [NBER Mortality Data](#)

## Local Officials and Economics Development of China's Cities

Remote

Research Assistant for Yuyu Chen (Peking U) and Heng Chen (U of Hong Kong)

Nov - Dec 2020

- **Summary:** Complete data collection, collation, and cleaning for over 200 local officials from prefecture-level cities in the provinces of Guangdong, Shandong, Shanxi, and Neimenggu.

## TEACHING AND WORKING EXPERIENCE

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### University of Houston

Houston, TX, USA

Lecturer

- Principles of Microeconomics (Undergraduate Level); [\[Evaluation Report\]](#); [\[Syllabus\]](#); *Spring 2024*
- Ph.D. Math Camp; *Summer 2021, Summer 2022, Summer 2023*

### University of Houston

Houston, TX, USA

Teaching Assistant

- Prof. Nathan J. Canen; Econometrics I (Ph.D. Level); *Spring 2022*
- Prof. Janet E. Kohlhase; Microeconomics I (Ph.D. Level); Evaluation: 5/5; *Fall 2021*

### Hanyang University

Seoul, Korea

Teaching Assistant

Mar 2017 - Jul 2018

- Prof. Eleanor Jawon Choi; Courses: Introductory Mathematical Economics, Econometrics, Empirical Methods in Applied Microeconomics, Applied Econometrics (Graduate Level)

### Bank of Communications

Jiangsu, China

Full-time Client Manager

Aug 2018 - Sep 2019

### China Construction Bank

Sichuan, China

Summer Intern in Loans Department

Jun - Aug 2017

## AWARDS, FELLOWSHIPS, AND SERVICES

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Coordinator; [UH Econ Student Brown Bag Seminar](#); University of Houston; *Fall 2023, Spring 2024*

Cullen Graduate Fellowship Travel Grant; University of Houston; *Apr 2024*

Graduate Fellowship; University of Houston; *2020 - present*

Teaching Assistantship; Hanyang University; *Spring 2017, Fall 2017, Spring 2018*

TOPIK Scholarship; Hanyang University; *Dec 2017, Mar 2018*

## SKILLS

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Computer: Python, Stata,  $\text{\LaTeX}$ , R, MATLAB

Language: English (Fluent), Mandarin (Native), Korean (Intermediate)