

# Fan Wang

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## Current Positions

- Assistant Professor, Department of Economics, University of Houston, 2015–

## Affiliations

- Member, Human Capital and Economic Opportunity Working Group, University of Chicago, 2017–

## Education

- Ph.D. in Economics, University of Pennsylvania, Philadelphia, Pennsylvania, 2015.
- B.A. in Economics and History, University of Chicago, Chicago, IL, 2008.

## Publications

- "Optimal Allocations to Heterogeneous Agents with an Application to Stimulus Checks," May 2022, *Journal of Economic Dynamics and Control* (PDF), Vegard M. Nygaard, Bent E. Sørensen, and Fan Wang, *Subsumes and Replaces Wang (2020) and Nygaard, Sørensen, and Wang (2020)*.
- "You are What Your Parents Expect: Height and Local Reference Points," April 2022, *Forthcoming, Journal of Econometrics* (PDF), Fan Wang, Esteban Puentes, Jere R. Behrman, and Flavio Cunha.
- "Fewer, Better Pathways for All? Intersectional Impacts of Rural School Consolidation in China's Minority Regions," March 2022, *World Development* (PDF), Emily Hannum and Fan Wang.
- "Same Environment, Stratified Impacts? Air Pollution, Extreme Temperatures, and Birth Weight in South China," February 2022, *Forthcoming, Social Science Research* (PDF), Xiaoying Liu, Jere Behrman, Emily Hannum, Fan Wang and Qingguo Zhao.
- "An Empirical Equilibrium Model of Formal and Informal Credit Markets in Developing Countries," September 2021, *Forthcoming, Review of Economic Dynamics* (PDF), Fan Wang.
- "Estimating the Effects of Educational System Consolidation: The Case of China's Rural School Closure Initiative," October 2021, *Economic Development and Cultural Change* (PDF), Emily Hannum, Xiaoying Liu, and Fan Wang.
- "Early Life Height and Weight Production Functions with Endogenous Energy and Protein Inputs," September 2016, *Economics & Human Biology* (PDF), Esteban Puentes, Fan Wang, Jere R. Behrman, Flavio Cunha, John Hoddinott, John A. Maluccio, Linda S. Adair, Judith Borja, Reynaldo Martorell, and Aryeh D. Stein.

## Current Research

### Working Papers

- "The Distribution of the Gender Wage Gap: An Equilibrium Model," *April 2022 (PDF)*, *Revise and Resubmit, Journal of Political Economy*, Sonia R. Bhalotra, Manuel Fernandez, and Fan Wang

### Work in Progress

- "Distinguishing Constraints on Savings and Their Impact on Inequality," June 2021, Gautham Udupa and Fan Wang
- "A Choice Amongst Many: Household Borrowing in a Setting with Multiple Providers," February 2019, Robert M. Townsend, and Fan Wang
- "Investments in the Human Capital of Children in Village Economies," June 2017, Flavio Cunha, Robert M. Townsend, and Fan Wang
- "Catch-up effects in Health Outcomes—Linear and Quantile Regression Estimates from Four Countries," May 2017, with Jere R. Behrman, Andreas Georgiadis, Subha Mani, and Fan Wang

## Presentations

- (2021) Research on East Asian Demography and Inequality (*Princeton, Virtual*); MiSoC Gender Pay Gap Research Workshop (*University of Essex, Virtual*); China Meeting of the Econometric Society (*Shanghai Tech University, Virtual*); Asia Meeting of the Econometric Society (*Curtin University, Virtual*); 5th IZA/World Bank/WIDER Jobs and Development Conference (*Virtual*); Southern Economic Association; Inaugural ACM Conference on Equity and Access in Algorithms, Mechanisms, and Optimization (*Poster*); The Causes and Consequences of Depopulation (*Wittgenstein Centre for Demography, Poster*)
- (2020) Econometric Society World Congress (*Virtual*)
- (2019) Annual Meeting of Society of Labor Economists; Annual Meeting of Population Association of America.
- (2018) International Association for Applied Econometrics (*UQAM and UdeM*); Barcelona GSE Summer Forum (Children) (*Barcelona Graduate School of Economics*); China Meeting of Econometrics Society (*Fudan University*); Center on Contemporary China at Princeton University; 3rd Annual Empirical Microeconomics Conference (*Arizona State University*); Annual Meeting of the American Economic Association (*Poster*).
- (2017) STATA Texas Empirical Microeconomics Conference (*University of Texas at Austin*); Asian Meeting of the Econometric Society (*Chinese University of Hong Kong*); Conference on Human Capital and Financial Frictions (*HCEO and Georgetown University*).
- (2016) 8th International Symposium on Human Capital and Labor Markets (*China Center for Human Capital and Labor Market Research, Central University of Finance and Economics*); 21st Texas Econometrics Camp (*Texas A&M University*).
- (2015) STATA Texas Empirical Microeconomics Conference (*Federal Reserve Bank of Dallas*); University of British Columbia; Instituto Tecnológico Autónomo de México; Royal Holloway, University of London; University College London; Federal Reserve Bank of Richmond.

## Grants

- 2019, Chiang Ching–Kuo Foundation for International Scholarly Exchange, Scholar Grant, Principal Investigator, \$12,000
- 2018, National Science Foundation, Prenatal Exposure to Pollution and Effects on Early Childhood Outcomes, Investigator/Consultant (PI Emily Hannum), \$320,000
- 2015, University of Houston, Faculty Research Grant, Principal Investigator

## Teaching

### *University of Houston*

- [Introduction to Mathematical Economics](#) (Undergraduate, Instructor): Fall 2018, Fall 2019
- [Human Capital](#) (Ph.D., Instructor): Spring 2018, Fall 2020
- [Introduction to Statistics and Data Analysis](#) (Undergraduate, Instructor): Fall 2015, Fall 2016, Spring 2017, Fall 2017, Fall 2019

### *University of Pennsylvania*

- [International Finance](#) (Undergraduate, Teaching Assistant): Fall 2012
- [Introduction to Macroeconomics](#) (Undergraduate, Recitation Instructor): Spring 2011, Spring 2012
- [Introduction to Micro and Macro Economics for Business Students](#) (Undergraduate, Recitation Instructor): Fall 2010, Fall 2011
- [Introduction to Econometrics](#) (Undergraduate, Instructor): Summer 2011

## Advising

### *Ph.D. Committee Member*

- Kriti Khanna (Ph.D., University of Houston 2021, Plaksha University, Assistant Professor)
- Daniel Jacobs (Ph.D., University of Houston 2020, The Vanguard Group, Researcher)
- Michael Walz (Ph.D., University of Houston 2020, U.S. Securities and Exchange Commission, Economist)
- Sakshi Jain (Ph.D., University of Houston 2018, Brandeis University, Lecturer)

## Repositories

- [CodeDynaAsset](#): heterogeneous agents dynamic borrowing and savings examples
- [M4Econ](#): matrix manipulations, distributional processes and graphing examples
- [Math4Econ](#): intro mathematics for economists, symbolic analysis, constrained optimization notes
- [MEconTools](#): heterogeneous agents dynamic savings package

- [Py4Econ](#): development, data structures, support tools, and Amazon Web Services examples
- [pyfan](#): research support tools, data analysis, and cloud services package
- [R4Econ](#): multi-dimensional data with tidyverse, optimization and estimation examples
- [REconTools](#): panel arithmetics, distributional statistics and optimization package
- [Stat4Econ](#): introductory statistics with tidyverse, dataset piping, data visualization notes
- [Stata4Econ](#): data cleaning, regression testing, summary statistics and tables examples
- [Tex4Econ](#): template documents, vector graphics, revealjs and git examples

## Professional Activities

### *Refereeing*

- Served as Referee for *China Economic Review*, *Economic Development and Cultural Change*, *Economic Letters*, *International Economic Review*, *Journal of Applied Econometrics*, *Journal of Development Economics*, *Journal of Development Studies*, *Journal of European Economic Association*, *Journal of Human Capital*, *Journal of Human Resources*, *Journal of Population Economics*, *Review of Economics and Statistics*, *Singapore Economic Review*, *World Development*.

### *Departmental Service*

- Member, Junior Faculty Recruiting Committee, University of Houston, 2017

### *College Service*

- Member, CLASS Graduate Scholarship Selection Committee, University of Houston, 2020

### *Membership*

- Econometric Society (2016–)
- American Economic Association (2014–)

### *Research Experience*

- Research Assistant, GCC–Human Capital First 1000 Days, Philadelphia, PA, 2013–2014.
- Research Analyst, Department of Economics, MIT, Cambridge, MA, 2008–2009.
- Short–Term Consultant, the World Bank (ECA), Chicago, IL, 2007.
- Research Assistant, National Opinion Research Center, Chicago, IL, 2007.