Ta-Cheng Huang

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Academic Positions

Lecturer, *Department of Economics*, *National University of Singapore*	*July 2024 –*
Research Assistant Professor, *Global Asia Institute*, *NUS*	*August 2018 – June 2024*
Lecturer, *Department of Finance and Economics*, *Texas State University*	*January 2017 – May 2018*

Education

Ph. D. in Economics, *Texas A&M University*	*May 2018*
M. A. in Mathematics and Statistics, *Boston University*	*September 2011*
M. A. in Economics, *National Taiwan University*	*June 2007*
B. A. in Political Science with a minor in Economics, *National Taiwan University*	*June 2004*

Teaching

National University of Singapore

Financial Economics II	*S1 AY24/25*
Economic and Financial Forecasting	*S1 AY24/25*
Python Programming for Economists (Masters)	*S1 AY24/25 + 2 semesters*
Marketing Analytics Visualization and Communication (Masters)	*S1 AY24/25 + 3 semesters*
Marketing Analysis and Decision Making (Masters)	*S2 AY22/23*

Texas State University

Money and Banking	*Spring 2018, Fall 2017*
Principle of Macroeconomics	*Spring 2018*
Principle of Microeconomics	*Fall 2017, Spring 2017*
Intermediate Macroeconomics	*Spring 2017*

Texas A&M University

Financial Economics	*Fall 2016, Fall 2015*
Macroeconomic Theory	*Spring 2016*

Research

Publications

[1] Hsu, Yu-Chin, Ta-Cheng Huang, and Haiqing Xu (2023): "Testing for unobserved heterogeneous treatment effects with observational data," *Econometric Theory*, 39 (3), pp. 582 - 622. doi.

[2] Huang, Ta-Cheng, Hongjun Li, and Zheng Li (2020): "A modified bootstrap of kernel-based specification test with heavy-tailed data," *Economics Letters*, 189, 108986. doi

[3] Crespo, Pablo, and Ta-Cheng Huang (2018): "Implied volatility estimation via ℓ_1 trend filtering," *The Journal of Derivatives*, 26(1), pp. 45-66. doi

[4] Chen, Xirong, Ta-Cheng Huang, and Qi Li (2017): "An alternative bandwidth selection method for estimating functional coefficient models," *Economics Letters*, 156, pp. 27-31. doi

Working Papers

[1] "Causal effects for co-integrated non-stationary series: An augmented synthetic control approach," with Pablo Crespo. *Submitted*.

[2] "Sustainability of Weight Loss Interventions: Efficacy of Cash-Based Versus Subsidy-Based Incentives," with Kegon Tan, Andrea Chung, and Noah Lim. *Submitted*.

[3] "Nonparametric tests for treatment effect heterogeneity under Regression Kink design."

[4] "Nonparametric tests for monotonicity in treatment effect under Regression Kink design."

Honors, Awards, and Grants

Teaching

Outstanding Graduate Student Course Instructor, *Texas A&M University* *Fall 2016, Fall 2015*

Research

The Effect of Activities-based Subsidy on Body Fat Loss. Co-I. NUS Initiative to Improve Health in Asia. S$219,060. *April 2021*

The Effect of Small Wins on Body Fat Loss. Co-I. NUS Initiative to Improve Health in Asia. S$80,890. *December 2020*

Pilot Study: The Effect of Activities-based Subsidy on Body Fat Loss. Co-I. NUS Initiative to Improve Health in Asia. S$73,000. *October 2019*

Lynde and Harry Bradley Fellowship, Private Enterprise Research Center, *Texas A&M University*. *Spring 2015, Fall 2014*

Competitive Scholarship, *Texas A&M University*. *Summer 2014*

Margarette Harrell Webber Scholarship, Private Enterprise Research Center, *Texas A&M University*. *Summer 2013*

Others

Travel Grant, *National University of Singapore* *August 2018*

Travel Grant, *Texas State University* *January 2018*

Graduate Assistantship, *Texas A&M University* *Fall 2015 – Fall 2016, Fall 2012 – Spring 2014*