

ZHUTONG GU

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EMPLOYMENT

Tiktok Global E-commerce Data Scientist, Bytedance Inc., Shanghai, China, 2023.11- 2024.04

Business Analyst (Mechanism Design) , Meituan, Inc., Shanghai, China, 2022.09 - 2023.05

Economist/Data Scientist, Kuaishou Tech., Beijing, China, 2021.08 - 2022.01

Assistant Professor (tenure-track), Peking University, HSBC Business School, Shenzhen, China, 2017.08 - 2021.08

RESEARCH AREA

Industrial Organization, Econometrics, Applied Microeconomics

EDUCATION

Ph.D., Economics, Rutgers, the State University of New Jersey, New Brunswick, NJ, 2017

B.A., Business Administration (Marketing), Shanghai Jiao Tong University, Shanghai, China, 2011

VISITING

Exchange Ph.D. Student , Department of Economics, Princeton University, 2013-2014

PUBLICATION

Zhu, X., **Gu, Z.**, He, C., and Chen, W. (2023) “The impact of the belt and road initiative on Chinese PV firms’ export expansion”, *Environment, Development and Sustainability*. <https://doi.org/10.1007/s10668-023-03705-z>

Gu, Z., Jiang, Y., and Yang, S. (2022) “Estimating unobserved soft adjustment in credit rating models: before and after the Dodd-Frank Act”, *Journal of Financial Econometrics*. <https://doi.org/10.1093/jjfinec/nbac024>

Zhu, X., He, C and **Gu, Z.** (2021) “Benefit from Local or Destination? The Export Expansion of Chinese Photovoltaic Industry under Trade Protection”, *Energy Economics*. <https://doi.org/10.1016/j.eneco.2021.105690>

Zhu, X., He, C.* and **Gu, Z.** (2021). “How Do Local Policies and Trade Barriers Reshape the Export of Chinese Photovoltaic Products?”, *Journal of Cleaner Production*. <https://doi.org/10.1016/j.jclepro.2020.123995>

PATENT

CN114648119A Re-optimizing heterogeneous treatment effect for causal models with multiple treatments. Zhou, X. and **Gu, Z.**

WORK IN PROGRESS

Du, J., Li, Z., **Gu, Z.** and Feng, L. “A Nonparametric Statistics Approach to Variable Selection in Deep Neural Networks with Theoretical Guarantees”. *under review*.

Fan, B., and **Gu, Z.** “Market Power of Chinese Listed Firms: Measurement, Evolution and Distribution”. *work in progress*.

Gu, Z. “Additive separability and Unobserved Heterogeneity: A Test for Hicks-neutral Productivity Shocks”, *working paper series*.

Gu, Z. “Price Dispersion, Market Structure and Consumer Heterogeneity—A Semiparametric Model of U.S. Airline Industry”. *working paper series*, Rutgers University 2014.

TEACHING

Peking University HSBC Business School

- Advanced Econometrics II-Microeconometrics (postgraduate): 2018Spring1, 2019Spring1, 2020Spring2, 2021Spring2
- Advanced Microeconomics I (postgraduate): 2018Fall1, 2019Fall1, 2020Fall1
- Advanced Microeconomics II (postgraduate): 2018Spring1, 2019Spring1, 2019Fall2, 2020Fall2
- Empirical Industrial Organization (postgraduate): 2017Fall1

Rutgers University, New Brunswick/Newark (Part-time lecturer)

- Intermediate Microeconomics: 2014Spring, 2013Spring, 2015Summer, 2016Summer
- Introductory Econometrics: 2015Fall, 2016Spring, 2016Summer
- Industrial Organization: 2017Spring
- Seminar on Social Innovation: 2015Fall, 2016Spring
- MATLAB/GAUSS/Stata workshop: 2013-2015

HONOR & AWARD

Shenzhen Oversea Talent, 2017

Honors College Graduate Fellowship—Rutgers University, 2015-2016

The *Peter Asch* Memorial Scholarship—Outstanding Students Working in Applied Microeconomics, Rutgers University, 2015

Hiroki Tsurumi Graduate Dissertation Award—In Recognition of Excellence in PhD Dissertation Research, Rutgers University, 2015

The Sidney I. Simon Award—Best Second Year Research Paper, Rutgers University, 2014

The Rie Ashizawa Prize—Outstanding Performance in Qualifying Exam, Rutgers University, 2013

The Sidney Brown Prize in Economics—Outstanding performance in first two year graduate study, Rutgers University, 2013

PROFESSIONAL ACTIVITY

Conferences & Talks.

Guest lecture in Data-driven Business Analytics, University of Hong Kong, 2024

Guest lecture in Applied Casual Inference Methods, City University of Hong Kong, 2021

Workshop on Firms in Emerging Economies, IEST, Jinan University, China, 2018

International Conference on Econometrics, Chengdu, China, 2018

China Meeting Econometric Society, Shanghai, 2018

Asian Meeting Econometric Society, Hong Kong, China, 2017

China Meeting Econometric Society, Wuhan, China, 2017

ASSA Annual Meeting, Chicago, IL, 2017

Midwest Econometric Group, Urbana Champaign, IL, 2016

Asian Meeting Econometric Society, Kyoto, Japan, 2016

China Meeting Econometric Society, Chengdu, China, 2016

Chinese Economic Society, North America Meeting, Sacramento, CA, 2016

Economics Seminar, Rutgers University-Newark, NJ, 2015