

Deyu Rao

June 28, 2022

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Department of Economics • HKUST
Clear Water Bay • Hong Kong SAR

Academic Appointment

Assistant Professor, Department of Economics, Hong Kong University of Science and Technology

HONG KONG SAR, July 2022 -

Education

Ph.D., Applied Economics and Management, Cornell University	ITHACA, 2022
M.Sc., Applied Economics and Management, Cornell University	ITHACA, 2017
B.Econ. with Distinction, Energy Economics, Renmin University of China	BEIJING, 2015
B.A., English Language and Literature, Renmin University of China	BEIJING, 2015

Research and Teaching Interests

Environmental Economics, Urban Economics, Applied Microeconomics

Research

Working Papers

“The Role of Environmental Amenities in the Urban Economy: Evidence From a Spatial General Equilibrium Approach.”

“The Morbidity Cost of Air Pollution: Evidence from Consumer Spending in China,” with Panle Jia Barwick, Shanjun Li, and Nahim Bin Zahur, NBER Working Paper 24688, 2018.

R&R at The Review of Economics and Statistics.

“Improved Transportation Networks Facilitate Adaptation to Pollution and Temperature Extremes,” with Panle Jia Barwick, Dave Donaldson, Shanjun Li, and Yatang Lin. *under review.*

Work-in-Progress

“The Impact of Air Quality Monitoring: Evidence from China’s Land Market,” with Mengwei Lin.

“Quantifying the Impact of COVID-19 on Economic Activities Through Air Pollution,” with Zhengyuan Wu, and Shanjun Li.

“Traffic Congestion and Consumer Spending,” with Nahim Bin Zahur.

Teaching Experience

* scheduled

Green Finance and Sustainability, ECON 4999T (UG level)* *Spring 2023*

Urban Economics, ECON 6100Q (MSc level)* *Spring 2023*

Teaching Assistant

Econometrics, AEM 7100 (PhD level), Prof. Shanjun Li *Spring 2020, 2021, 2022*

Investments, AEM 4670 (UG level), Prof. Sumudu Watugala *Fall 2019, 2020*

CICER Summer Camp (Market Simulation, Marketing, Behavioral Economics) *2019-2021*

Outstanding Graduate Teaching Assistant, Dyson School of Applied Economics and Management *2020-2021*

Research Experience

Research Assistant

Prof. Shanjun Li *ITHACA, 2016, 2018, 2021*

Cornell Institute for China Economic Research (CICER) *ITHACA, SHANGHAI & BEIJING, 2016*

Cornell Institute for Social and Economic Research (CISER) *ITHACA, 2016*

Prof. Ping Qin *BEIJING, 2014, 2015*

Fellowships, Grants, and Honors

Summer Graduate Research Assistantship, Cornell University	2018-2021
Graduate Fellowship, Cornell University	2017-2018
Scholarship for Master's Study, China Scholarship Council	2015-2017
Scholarship for Academic Excellence (UG), Renmin University of China	2012-2014

Presentations

* scheduled

2023: AREUEA Annual Conference*

2022: HKUST, HKU, NUS, ICCDS, AsRES-AREUEA Joint Conference*

2021: Cornell, Renmin University of China, NTU-CEC Joint Online Workshop

2017-2020: Cornell (CICER & EMI Emerging Markets Research Day, AEP, SEERE, Emerging Markets PhD Research Day), NBER Spring

Professional Services

Referee: Journal of the Association of Environmental and Resource Economists, Journal of Environmental Economics and Management, Journal of Economic Behavior and Organization, China Economic Review, Bulletin of Economic Research

Selected Press Coverage

"How Smog Affects Spending in China," *The Economist*, June 2018.

"The Impact of Air Pollution on Healthcare Spending in China," etc., with Panle Jia Barwick, Shanjun Li, and Nahim Bin Zahur, in *VoxDev* (Apr 2019), *VoxEU* (Sept 2018), *VoxChina* (Aug 2017).

"Cornell Economists Analyze Relationship between Air Pollution and Health-Care Spending in China," in News of Department of Economics, Cornell University, Aug 2018.

Other Experience

Seminar Committee, Graduate Student Assembly (GSA) of AEM, Cornell University	ITHACA, 2018, 2019
Level II Referee, Chinese Football Association	BEIJING, 2012-2015

Software Skills

Programming: STATA, MATLAB, ArcGIS, Python, R, SAS, SPSS, ORACLE, MS SQL

Language: Mandarin Chinese (native), English (fluent)