Deyu Rao

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

August 23, 2022

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 2022, AsRES-AREUEA Joint Conference, UEA 16th Meeting*, TWEEDS*

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 Meeting 2017

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 Football 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)