

Dr. Xun Zhou



## Employment

### Lecturer in Environmental Economics

Lecturer

Environment and Geography

University of York

Heslington, York

10 Sept 2021 → 31 Dec 2023

## Research outputs

### Non-crossing convex quantile regression

Dai, S., Kuosmanen, T. & Zhou, X., Dec 2023, In: *Economics Letters*. 233, 5 p., 111396.

### Unmasking the bright–dark duality of social media use on psychological well-being: a large-scale longitudinal study

Lin, Y., Fu, S. & Zhou, X., 27 Nov 2023, In: *Internet Research*. 33, 6, p. 2308-2355 48 p.

### Generalized quantile and expectile properties for shape constrained nonparametric estimation

Dai, S., Kuosmanen, T. & Zhou, X., 16 Oct 2023, In: *European Journal of Operational Research*. 310, 2, p. 914-927 14 p.

### Computing Synthetic Controls Using Bilevel Optimization

Malo, P., Eskelinen, J., Zhou, X. & Kuosmanen, T., 25 Sept 2023, (E-pub ahead of print) In: *Computational Economics*. 24 p.

### Can Omitted Carbon Abatement Explain Productivity Stagnation? Quantile Shadow-Price Fisher Index Applied to OECD Countries

Dai, S., Kuosmanen, T. & Zhou, X., 26 Jun 2023, SSRN.

### Bedtime smartphone use and academic performance: A longitudinal analysis from the stressor-strain-outcome perspective

Lin, Y. & Zhou, X., 1 Dec 2022, In: *Computers and Education Open*. 3, 14 p., 100110.

### Partial frontiers are not quantiles

Dai, S., Kuosmanen, T. & Zhou, X., 24 May 2022, arXiv.

### Non-crossing convex quantile regression

Dai, S., Kuosmanen, T. & Zhou, X., 4 Apr 2022, arXiv.

### Design Flaw of the Synthetic Control Method

Kuosmanen, T., Zhou, X., Eskelinen, J. & Malo, P., 5 Mar 2021, MPRA.

### How Do Customers Respond to Robotic Service? A Scenario-Based Study from the Perspective of Uncertainty Reduction Theory

Lin, Y., Zhou, X. & Fan, W., 5 Jan 2021, *Proceedings of the 54th Hawaii International Conference on System Sciences: Human–Robot Interactions*.

### **Computing Synthetic Controls Using Bilevel Optimization**

Malo, P., Eskelinen, J., Zhou, X. & Kuosmanen, T., 22 Dec 2020, MPRA.

### **AIS data-driven approach to estimate navigable capacity of busy waterways focusing on ships entering and leaving port**

Liu, C., Liu, J., Zhou, X., Zhao, Z., Wan, C. & Liu, Z., 15 Dec 2020, In: *Ocean Engineering*. 108215.

### **Shadow prices and marginal abatement costs: Convex quantile regression approach**

Kuosmanen, T. & Zhou, X., 24 Jul 2020, In: *European Journal of Operational Research*. 289, 2, p. 666-675

### **Forward-looking assessment of the GHG abatement cost: Application to China**

Dai, S., Zhou, X. & Kuosmanen, T., 1 May 2020, In: *Energy economics*. 88, 104758.

### **What drives decarbonization of new passenger cars?**

Zhou, X. & Kuosmanen, T., 27 Jan 2020, In: *European Journal of Operational Research*. 284, 3, p. 1043-1057 15 p.

### **How much climate policy has cost for OECD countries?**

Kuosmanen, T., Zhou, X. & Dai, S., 18 Sept 2019, In: *World Development*. 125, 104681.

### **Low-Carbon Transition: How Successful and at What Cost?**

Zhou, X., 2019, Helsinki, Finland.

### **Environmental Productivity Growth in Consumer Durables**

Zhou, X., 28 Apr 2018, *Energy, Environment and Transitional Green Growth in China*. Pang, R., Bai, X. & Lovell, K. (eds.). Springer, p. 81-107 27 p.

### **Output-specific energy efficiency assessment: A data envelopment analysis approach**

Zhou, D., Wu, F., Zhou, X. & Zhou, P., 24 May 2016, In: *Applied Energy*. 177, p. 117-126

### **二氧化碳边际减排成本测算：效率分析视角**

Zhou, X., 2016

### **Marginal CO<sub>2</sub> abatement costs: Findings from alternative shadow price estimates for Shanghai industrial sectors**

Zhou, X., Fan, L. & Zhou, P., 1 Feb 2015, In: *Energy policy*. 77, p. 109-117 9 p.

### **二氧化碳减排成本研究述评**

Zhou, P., Zhou, X. & Zhou, D., Nov 2014, In: *管理评论 - Management Review*. 26, 11, p. 20-27 8 p.

### **On estimating shadow prices of undesirable outputs with efficiency models: a literature review**

Zhou, P., Zhou, X. & Fan, L., 1 Oct 2014, In: *Applied Energy*. 130, p. 799-806 8 p.

## **Activities**

### **DEA45: International Conference on Data Envelopment Analysis**

Zhou, X. (Invited speaker)

4 Sept 2023 → 6 Sept 2023

### **Environmental Impact Assessment Review (Journal)**

Zhou, X. (Reviewer)

May 2023 → ...

**ETLA Economic Research**

Zhou, X. (Visitor)  
Apr 2023 → May 2023

**Frontiers of Engineering Management (Journal)**

Zhou, X. (Editorial board member)  
Jan 2023 → ...

**Synthetic Control Methods & Transportation Research**

Zhou, X. (Invited speaker)  
7 Dec 2022

**Asia-Pacific Productivity Conference 2022**

Zhou, X. (Invited speaker)  
8 Oct 2022

**Sustainability (Journal)**

Zhou, X. (Guest editor)  
Oct 2022 → Aug 2023

**17th European Workshop on Efficiency and Productivity Analysis**

Zhou, X. (Invited speaker)  
27 Jun 2022 → 29 Jun 2022

**Annual Conference of the International Transportation Economics Association**

Zhou, X. (Invited speaker)  
15 Jun 2022 → 17 Jun 2022

**Forward-looking assessment of the GHG abatement cost: Application to China**

Zhou, X. (Invited speaker)  
25 May 2022

**Frontiers of Engineering Management (Journal)**

Zhou, X. (Reviewer)  
May 2022 → ...

**Renewable Energy (Journal)**

Zhou, X. (Reviewer)  
Apr 2022 → ...

**Sustainability and Development Conference 2022**

Zhou, X. (Invited speaker)  
24 Jan 2022

**Transportation Research Part E: Logistics and Transportation Review (Journal)**

Zhou, X. (Reviewer)  
Nov 2021 → ...

**Technological Forecasting and Social Change (Journal)**

Zhou, X. (Reviewer)  
Aug 2021 → ...

**Environment, Development and Sustainability (Journal)**

Zhou, X. (Reviewer)  
Apr 2021 → ...

**Journal of Productivity Analysis (Journal)**

Zhou, X. (Reviewer)

Feb 2021 → ...

**Business Strategy and the Environment (Journal)**

Zhou, X. (Reviewer)

Aug 2020 → ...

**Energy economics (Journal)**

Zhou, X. (Reviewer)

Apr 2020 → ...

**European Journal of Operational Research (Journal)**

Zhou, X. (Reviewer)

Nov 2019 → ...

**Resources, Conservation and Recycling (Journal)**

Zhou, X. (Reviewer)

Nov 2018 → ...

**Energy policy (Journal)**

Zhou, X. (Reviewer)

Sept 2014 → ...