

Sheng Dai

Aalto University School of Business, 02150 Espoo, Finland

☎ +358 50 4670905 ✉ sheng.dai@aalto.fi 🆔 0000-0001-6083-0362

PROFESSIONAL EXPERIENCE

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| Aalto University School of Business, Finland
Ph.D. Candidate (supervisor: Professor Timo Kuosmanen) | 9/2018 - |
| Research Center of Resource and Environmental Economics, CUG, China
Research Assistant (supervisor: Professor Jinhua Cheng) | 9/2014 - 8/2018 |

RESEARCH INTERESTS

Productivity and Efficiency Analysis, Environmental and Resource Economics, Nonparametric Econometrics

EDUCATION

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| Aalto University School of Business, Finland
Ph.D. in Management Science | 9/2018 - |
| China University of Geosciences, China
M.Sc. in Management Science and Engineering | 9/2014 - 6/2017 |
| China University of Geosciences, China
B.Sc. in Business Management (bilingual teaching) | 9/2010 - 6/2014 |

PUBLICATIONS

Peer-Reviewed Journal Articles

Accepted

- [J8] Yi, J., Dai, S., Cheng, J., Wu, Q., & Liu, K. (2021). Production quota policy in China: Implications for sustainable supply capacity of critical minerals. *Resources Policy*, 72, 102046.
- [J7] Dai, S., Zhou, X., & Kuosmanen, T. (2020). Forward-looking assessment of the GHG abatement cost: Application to China. *Energy Economics*, 88, 104758. (ABS 3)
- [J6] Kuosmanen, T., Zhou, X., & Dai, S. (2020). How much climate policy has cost for OECD countries?. *World Development*, 125, 104681. (ABS 3)
- [J5] Cheng, J., Yi, J., Dai, S., & Xiong, Y. (2019). Can low-carbon city construction facilitate green growth? Evidence from China's pilot low-carbon city initiative. *Journal of Cleaner Production*, 231, 1158-1170.
- [J4] Dai, Q., Ye, X., Wei, Y. D., Ning, Y., & Dai, S. (2018). Geography, ethnicity and regional inequality in Guangxi Zhuang autonomous region, China. *Applied Spatial Analysis and Policy*, 11(3), 557-580.
- [J3] Chen, J., Cheng, J., & Dai, S. (2017). Regional eco-innovation in China: An analysis of eco-innovation levels and influencing factors. *Journal of Cleaner Production*, 153, 1-14.
- [J2] Cheng, J., Dai, S., & Ye, X. (2016). Spatiotemporal heterogeneity of industrial pollution in China. *China Economic Review*, 40, 179-191.

Submitted

- [J1] Kuosmanen, T., Tan, A., Dai, S. Production function of death: Performance assessment of the English NHS hospitals during the first wave of the COVID-19 pandemic. Submitted to *Journal of Econometric*. November 2020.

Selected Work in Progress

- [W₃] Kuosmanen, T., Dai, S., Zhou, X. “Partial frontiers are not quantiles.”
- [W₂] Kuosmanen, T., Kuosmanen, N., Dai, S. “Synergies and tradeoffs in sustainable development.”
- [W₁] Dai, S., Fang, Y. H., Lee, C. Y., Kuosmanen, T. “A Package for Stochastic Nonparametric Envelopment of Data (StoNED) in Python.” <https://github.com/ds2010/pyStoNED>.

TEACHING EXPERIENCE

Thesis advisor and Examiner	3/2020 -
<i>Master's Thesis</i> , Aalto University School of Business, Finland	
Teaching Assistant	1/2019 -
<i>Econometrics (30C00200)</i> , Bachelor, Aalto University School of Business, Finland	
<i>Productivity and Efficiency Analysis (30E00300)</i> , Master, Aalto University School of Business, Finland	

GRANTS AND AWARDS

Research funding and grants:

Foundation for Economic Education. A sum of € 22,940 for doctoral studies and research.	2018, 2019
HSE Support Foundation. € 6,000 for doctoral studies and research.	2019
Foundation for Economic Education, A sum of € 3,100 for attending academic conferences.	2018 – 2020
HSE Support Foundation. A sum of € 4,600 for attending academic conferences.	2018 – 2020

Awards and honours:

HSE Support Foundation. € 667 for <i>Recognition awards for quality publications</i> (total € 2,000).	2019
Ministry of Education of the P.R.C. CNY 20,000 for <i>National Scholarship</i> for Postgraduates.	2016
Regional Science Association of China (RSAC). CNY 2,000 for <i>Distinguished Youth Scholar Paper</i> .	2016
Ministry of Education of the P.R.C. A sum of CNY 10,000 for <i>National Encouragement Scholarship</i> for undergraduates.	2011, 2012

CONFERENCE AND SEMINAR PRESENTATIONS

2020	12th (virtual) WCES, 11th (virtual) NAPW
2019	16th EWEPA, 42nd IAEE
2018	6th IAEE Asian Conference, 6th WCERE
2017	AEA/ASSA Annual Meeting
2016	RSAC Annual Meeting, 6th Asian Seminar in Regional Science

SKILLS

Programming:	GAMS, Python, Stata, Julia, \LaTeX
Languages:	Chinese (native), English (fluent)

REFEREEING AND MEMBERSHIP

Referee:	Journal of Cleaner Production, Resources Policy, Emerging Markets Finance and Trade, Heliyon, IEEE Access, Ecosystem Health and Sustainability
Membership:	International Association for Energy Economics (IAEE), Association of Environmental and Resource Economists (AERE)