CURRICULUM VITAE

Jin Ke, Master's degree candidate

Department of Population, Resource & Environmental Economics
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EDUCATION

South China Normal University   Guangzhou, China

M.Ec, Population, Resource & Environmental Economics *GPA:85.54/100*   September 2020 – Present

Shandong University of Finance & Economics   Jinan, China

B.Ec, Economics *GPA:88.57/100*   September 2016 – June 2020

PUBLICATIONS

Peer-reviewed Publications (* represents corresponding author; † represents co-author)

- W. Li†, **J. Ke*†**, F. Sun. 2023. Long-term Care Insurance and Multidimensional Poverty of Middle-Aged and Elderly: Evidence from China. *Frontiers in Public Health*. 11:269. *https://doi.org/10.3389/fpubh.2023.1100146*

- B. Wang, J. Xu, **J. Ke**, J. Wang*, N. Wang, X. Li, F. Zhang, L. Li, CL. Chen. 2022. CE-SDT: A new blockchain-based distributed community energy trading mechanism. *Frontiers in Energy Research*. 10:2033. *https://doi.org/10.3389/fenrg.2022.1091350*

- H. Zhang*, **J. Ke**. 2022. The fertility effect and mechanism of self-employment. *Journal of South China Normal University (Social Science Edition)*. No.260(06):83-98+206. *https://kns.cnki.net/kcms2/article/abstract?v=3uoqIhG8C44YLTlOAiTRKibYlV5Vjs7ioT0BO4yQ4m_mOgeS2ml3UFFRtKMrFNu6jxIOIwFc-0uyejx8bHDwOGcEZHSMvVdo&uniplatform=NZKPT*

- H. Zhang, Q. Zhang, G. Huang, **J. Ke**, N. Zhao*, W. Huang, & J. Zhang. 2022. Analysis of Evaluation Dimensions of Public Service Motivation of Chinese College Students—Qualitative Study Based on Grounded Theory. *International Journal of Environmental Research and Public Health*. 19(22):15084. *https://doi.org/10.3390/ijerph192215084*

- W. Li, **J. Ke***. 2022. A study on the impact of the digital economy on the development of urban social security. *Industrial Economic Review*. 13(05):142-160.
  https://kns.cnki.net/kcms2/article/abstract?v=3uoqIhG8C44YLTlOAiTRKu87-SJxoEJu6LL9TJzd50n
  PoaWkIHXgdFqvIjmduniejcvdtB82JgeWW7XnZSGGY-D7Be1hFiP2&uniplatform=NZKPT

Peer-reviewed Conference Paper

Podium presentations (* presented)

- H. Zhang, & **J. Ke***. The Digital Economy, 'Reverse Kuznets' and the Allocative Demographic Dividend: Empirical Evidence from Chinese Cities. In *Sixth Economic Review Editorial Open Day (Review Express)*, Wuhan University, School of Economics & Management. November 2021.

Chapter

- H. Zhang, Y. Qian, **J. Ke**. 2022. The Analysis on Gender Difference in Self-rated Health Among Elderly in China. In *Trends and Determinants of Healthy Aging in China* (pp. 163-174). Singapore: Springer Nature Singapore.

PROFESSIONAL SERVICE

Peer Reviewer

- BMC Geriatrics – BioMed Central (ISSN: 1471-2318)

SCHOLARSHIPS & AWARDS

2021	First Prize Academic Scholarship, South China Normal University
2020	Second Prize Academic Scholarship, South China Normal University
2019	First Prize Academic Scholarship, Shandong University of Finance & Economics
2017, 2018	Second Prize Academic Scholarship, Shandong University of Finance & Economics

RESEARCH EXPERIENCE

Research Assistant, Zhuhai Fudan Innovation Institute (ZFII)

Advisor: Jinfei Xu

10/19/22 – Present	***Key responsibilities:***
	Collaborated in the Distributed Energy System project of Double Carbon Innovation Center to construct a distributed community energy trading system using blockchain technology, and published a peer-reviewed paper in SCI source journal. Participated in a blockchain industry cluster research project for the Zhuhai Science

and Technology Innovation Bureau, and proposed a policy report framework that was adopted. As the research team coordinator, I will participate in the field research in Zhuhai in late February 2023.

Research Assistant, Guangdong University of Finance, Guangzhou
Advisor: Wenxiu Li

4/26/22 – Present   *Key responsibilities:*

1. The entropy method was used to assess the level of digital economy development and social security development in 256 Chinese cities from 2011 to 2017, and the impact and mechanism of the digital economy on social security development were multidimensionally assessed (Methods: two-way fixed effects model, nonlinear panel threshold model, spatial panel model, mediated effects model, the multi-period difference in differences model). This work was published in a peer-reviewed CSSCI & PKU source journal.

2. The level of multidimensional poverty among middle-aged and elderly in China was comprehensively evaluated using the double deprivation method, and the impact of long-term care insurance on multidimensional poverty among middle-aged and elderly was assessed using a difference in differences framework based on the Chinese long-term care insurance pilot program. This work was published in a peer-reviewed SSCI & SCI source journal.

Both of these works were supported by the National Natural Science Foundation of China (No.71873040).

Research Assistant, South China Normal University, Guangzhou
Advisor: Hongming Zhang

3/18/22 – 11/23/22   *Key responsibilities:*

Based on grounded theory, interviews were conducted on the public service motivation of college students in several universities in Guangzhou University City, and the main dimensions of public service motivation were extracted using Nvivo qualitative research software. In this project, responsible for the design of the interview questionnaire, the operational advice on the use of the software, and the partial writing of the original draft of the paper. This work was published in a peer-reviewed SSCI & SCI source journal.

Graduate Research Assistant, South China Normal University, Guangzhou

Advisor: Huachu Zhang

6/7/20 – Present ***Key responsibilities:***

1. Participated in the project of co-construction of disciplines of Guangdong Provincial Philosophy and Social Science Planning (No.GD14XYJ31), responsible for writing the final report.

2. The paper was selected for the Review Express conference of an authoritative economics journal. Presented the paper on the podium and received peer review. The paper was eventually granted an R&R opportunity. This paper focuses on the impact of digital economy development on the allocative demographic dividend.

3. The collaborative paper was selected as chapter 10 of the book "In Trends and Determinants of Healthy Aging in China" edited by Professor Yi Zeng of Duke University. This paper focuses on gender differences in the self-rated health of older adults in China.

4. Based on the overlapping generation model, a mathematical derivation demonstrates that self-employment can have a positive effect on the intention to have a second child by increasing one's occupational income, subjective well-being, and subjective class mobility expectations. The empirical analysis of national survey data also confirms this finding. The empirical results also suggest that basic social security coverage facilitates the conversion of second-child fertility intentions into actual fertility behavior among the self-employed group. This work was published in a peer-reviewed CSSCI & PKU source journal.

TECHNICAL SKILLS

Computer Skills

- Panel / cross-sectional data analysis tool: Stata
- Time series analysis tool: Eviews
- Tools for spatial econometric analysis: ArcMap & Geoda
- Visualization & numerical simulation tool: R
- Simple application tool for ML & NLP: Python
- Application tool for hierarchical linear model: HLM
- Application tool for calculable general equilibrium model: GAMS