

**Castiel Chen Zhuang (庄晨)**  
[zogcee@gmail.com](mailto:zogcee@gmail.com)  
[econcczhuang.com](http://econcczhuang.com)  
No.5 Yiheyuan Road  
Peking University School of Economics 321  
Beijing 100871, China

## Employment

2022– Assistant Professor, [School of Economics](#), Peking University

## Affiliations

2024– GLO Fellow, [Global Labor Organization \(GLO\)](#)  
2023– Deputy Director, [China Credit Research Center of Peking University \(CCRC\)](#)

## Education

2016–22 **Ph.D.** Economics, **M.A.** Economics, University of Washington  
2010–16 **Master** Finance, **B.Sc.** Mathematics, **Bachelor** Economics, Peking University

## Research

 [Google Scholar](#); † → Equal contribution; \* → Correspondence

## Fields of Interest

- **Development Economics:** Human capital; Population; Precarious employment; Gender equality; Health behavior; Individual wellbeing.
- **Empirical Industrial Organization:** Productivity; Industrial policy; Consumer demand; Market structure; Green economy; Platform economy.

## Representative Peer-reviewed Journal Articles

- R1. **Zhuang, C. C.**, Shao\*, C. & Chen, Q. Heterogeneous impacts of trade liberalization on export entry and training: A multi-destination perspective. *The World Economy* **00** (2025).  
– [Link](#)  
– Topic: Human capital; Productivity; Market structure  
– Presented: WEAI's 99th Annual Conference; 2024 ICEE at PSU Altoona.
- R2. Xu, H., **Zhuang\***, C. C., Oddo, V., Malembaka, E. B., He, X., Zhang, Q. & Huang, W. Maternal preconceptional and prenatal exposure to El Niño-Southern Oscillation levels and child mortality: A multi-country study. *Nature Communications* **15** (2024).  
– [Link](#) to the paper; [Link](#) to the publisher correction  
– Topic: Human capital; Population.

- R3. **Zhuang, C. C.**, Jones-Smith, J., Andrea, S., Hajat, A. & Oddo\*, V. Maternal precarious employment and child overweight/obesity in the United States. *Preventive Medicine* **169** (2023).  
– [Link](#)  
– Topic: Human capital; Precarious employment.
- R4. 秦雪征, 庄晨\* & 杨汝岱. 计划生育对子女教育水平的影响——来自中国的微观证据. *经济学季刊* **17** (2018).  
– [Link](#)  
– Topic: Human capital; Population.
- R5. Chen, Y., **Zhuang\***, C. C. & Yang, R. Does the One-Child Policy improve children’s human capital in urban China? A regression discontinuity design. *Journal of Comparative Economics* **45** (2017).  
– [Link](#)  
– Topic: Human capital; Population.

### Other Peer-reviewed Journal Articles

- O1. Liu<sup>†</sup>, J., Zhao<sup>†</sup>, W. & **Zhuang<sup>†</sup>**, C. C. Going green or losing edge? The impact of government procurement on carbon reduction and firm value in China. *Energy Economics* **142** (2025).  
– [Link](#)  
– Topic: Green economy  
– Presented: Central University of Finance and Economics (by coauthor).
- O2. Kamil<sup>†</sup>, N. N., Xiao<sup>†</sup>, S., Syed Salleh<sup>†</sup>, S. N., Xu, H. & **Zhuang\***, C. C. Nonlinear impacts of climate anomalies on oil palm productivity. *Heliyon* **10** (2024).  
– [Link](#)  
– Topic: Productivity.
- O3. Li<sup>†</sup>, Y., Song<sup>†</sup>, X., Sun\*, L., **Zhuang\***, C. C., Liu, J. & Yang, M. Exploring urbanization strategies by dissecting aggregate crowd behaviors: A case study in China. *Systems* **12** (2024).  
– [Link](#).
- O4. Liu<sup>†</sup>, J., Li<sup>†</sup>, Y., Xu, Y., **Zhuang\***, C. C., Hu, Y. & Yu, Y. Impacts of built environment on urban vitality in cultural districts: A case study of Haikou and Suzhou. *Land* **13** (2024).  
– [Link](#).
- O5. Xiao, S. & **Zhuang\***, C. C. Measuring and decomposing the multidimensional financial wellbeing in Malaysia. *Empirical Economics Letters* **23** (2024).  
– [Link](#)  
– Topic: Gender equality; Individual wellbeing.
- O6. Yu, F., Li, N., **Zhuang\***, C. C. & Chen, J. Can rising urban house prices actually limit the outward FDI by firms in a home country? A story from China. *Journal of International Money and Finance* **147** (2024).  
– [Link](#)  
– Topic: Productivity; Market structure.
- O7. Cui<sup>†</sup>, Z., Liu<sup>†</sup>, L. & **Zhuang<sup>†\*</sup>**, C. C. The impact of the removal of Zero-COVID policies on subjective well-being: Evidence from a digital world. *Economics Letters* **229** (2023).  
– [Link](#)  
– Topic: Individual wellbeing; Health behavior.

- O08. Oddo\*, V., **Zhuang, C. C.**, Dugan, J., Andrea, S., Hajat, A., Peckham, T. & Jones-Smith, J. Association between precarious employment and BMI in the United States. *Obesity* **31** (2023).  
 – [Link](#)  
 – Editors' Choice  
 – Topic: Precarious employment.
- O09. Huang, Q., Xiao, S. & **Zhuang\***, C. C. The heterogeneous impact of COVID-19 in a two-sided market: Evidence from a live-streaming platform. *Applied Economics* **54** (2022).  
 – [Link](#)  
 – Topic: Consumer demand; Market structure; Platform economy.
- O10. Huang, Q. & **Zhuang\***, C. C. Training, productivity, and wages: An investigation of China's manufacturing enterprises in a privatization era. *Economics of Transition and Institutional Change* **30** (2022).  
 – [Link](#)  
 – Topic: Human capital; Productivity.
- O11. Xu, H., **Zhuang\***, C. C., Guan, X., He, X., Wu, R., Wang, T., Zhang, Q. & Huang, W. Associations of climate variability driven by El Niño-Southern Oscillation with excess mortality and related medical costs in Chinese elderly. *Science of the Total Environment* **851** (2022).  
 – [Link](#)  
 – Topic: Population; Health behavior.
- O12. Oddo\*, V., **Zhuang, C. C.**, Andrea, S., Eisenberg-Guyot, J., Peckham, T., Jacoby, D. & Hajat, A. Changes in precarious employment in the United States: A longitudinal analysis. *Scandinavian Journal of Work, Environment & Health* **47** (2021).  
 – [Link](#)  
 – Highly cited paper; cited by *The Lancet* ([Link](#)), *The BMJ* ([Link](#)), Wikipedia ([Link](#)) and so on; cited by 53 news stories from 52 outlets by 2024  
 – Topic: Precarious employment; Gender equality.
- O13. Chen, Y., Shi\*, J. & **Zhuang, C. C.** Income-dependent impacts of health insurance on medical expenditures: Theory and evidence from China. *China Economic Review* **53** (2019).  
 – [Link](#)  
 – Topic: Health behavior.
- O14. Qin\*, X., Wang, T. & **Zhuang, C. C.** Intergenerational transfer of human capital and its impact on income mobility: Evidence from China. *China Economic Review* **38** (2016).  
 – [Link](#)  
 – Topic: Human capital.
- O15. 夏庆杰\*, 孙祁祥 & 庄晨. 中国经济转型时期性别工资差异分析. *社会科学战线* (2015).  
 – [Link](#)  
 – Topic: Gender equality.
- O16. 秦雪征\*, 周建波, 辛奕 & 庄晨. 城乡二元医疗保险结构对农民工返乡意愿的影响——以北京市农民工为例. *中国农村经济* (2014).  
 – [Link](#)  
 – Topic: Population.
- O17. 庄晨\*. 谈马克思拜物教的当代意义. *经济师* (2013).  
 – [Link](#).

## Selected Working Papers

- W1. Liu, Z., **Zhuang\***, C. C. & Wu, Y. *Existing national anti-poverty campaign and mental health* 2025.  
– Draft available upon request  
– Topic: Individual wellbeing  
– Presented: City University of Macau, Liaoning University, the 3rd Xiangjiang River Forum in Economics, Finance and Management for Young Scholars.
- W2. Xiao, S., **Zhuang\***, C. C., Hamdan, R., Wong, C. Y. & Syed Salleh, S. N. *The Q-Q trade-off revisit: Family responses to the first temporary basic income program in Malaysia* 2025.  
– Draft available upon request  
– Topic: Human capital; Population  
– Presented: the 7th RUC-GLO Annual Conference on “Low Fertility and Population Ageing”.
- W3. Chen, Y.-c., Huang, Q., Wang, Y. & **Zhuang\***, C. C. *Product assortment and competition: Evidence from live-streaming platform influencers* SSRN 4748263, Under Review. 2024.  
– [Link](#)  
– Topic: Market structure; Platform economy  
– Presented: 2021 INFORMS Annual Meeting (by coauthor).
- W4. Cui, Z., Lu, F., Qin, X., Yao, J. & **Zhuang, C. C.** *Sex education, dating behaviors, and fertility intentions: Evidence from a classroom field experiment in Chinese university* 2024.  
– Draft available upon request  
– Topic: Human capital; Population; Gender equality  
– Presented: Fudan University (by coauthor), Liaoning University International Conference 2024 (“China Development and Global Economy”) (by coauthor).
- W5. Huang, Q., Lu, Z. & **Zhuang\***, C. C. *Examining the Zero-Markup Drug Policy in China: A structural approach* SSRN 4789836, Under Review. 2024.  
– [Link](#)  
– Topic: Industrial policy; Consumer demand; Market structure  
– Presented: Nankai University, Liaoning University, SUNY Albany (by coauthor), 2022 SUFE-JinanIO Conference (aka. China-VIOS), 2022 AEA/ASSA Annual Meeting, 2021 China Meeting of Econometric Society, WEAI’s 2021 Virtual International Conference (by coauthor), WEAI’s 96th Annual Conference.
- W6. Shi, J., Wang, X. & **Zhuang\***, C. C. *Health insurance design with heterogeneous preferences* 2023.  
– Draft available upon request  
– Topic: Industrial policy; Consumer demand; Market structure  
– Presented: Renmin University of China, Capital University of Economics and Business, Central University of Finance and Economics, 2022 ARIA Annual Meeting, WEAI’s 98th Annual Meeting.

## Awards and Honors

2023	Excellent Class, Peking University School of Economics
2023	Excellent Head Teacher, Peking University

2021	Grover & Creta Ensley Fellowship, University of Washington
2018	Rachel M. Storer Award in Labor Economics, University of Washington
2016	Excellent Graduate, Beijing
2015	Cao Fengqi Scholarship, Peking University
2014	National Scholarship (Master Student), China
2013, 2015	Leo KoGuan Scholarship, Peking University

## Grants and Projects

### Principal Investigator

2024–25	<i>The pro-innovation roles of government procurement: Evidence from the pharmaceutical industry</i> , Peking University School of Economics Research Seed Grant, 30,000 CNY
2024–25	<i>The economic and health impacts of climate variability on vulnerable populations</i> , Peking University School of Economics Research Seed Grant, 30,000 CNY
2023–25	<i>Policy, environment, and health: Theory and evidence in economics</i> , Fundamental Research Funds for the Central Universities, Peking University (7100604271 for 2023, 7100604568 for 2024, ID for 2025 not available yet), 200,000 CNY
2022–23	<i>The measurements, causes and consequences of precarious employment: The perspective of vulnerably employed mothers' child health</i> , Peking University School of Economics Research Seed Grant, 30,000 CNY

### Main Participant

2020–22	<i>Precarious Employment as a Determinant of Obesity and Cardiometabolic Risk</i> , National Institutes of Health (R00MD012807), 762,000 USD
2016–19	National Natural Science Foundation of China (71573003), 400,000 CNY
2016–18	National Natural Science Foundation of China (71503014), 180,000 CNY

## Selected Presentations

### Talks

- T1. Liu, Z., **Zhuang, C. C.** & Wu, Y. *Exiting national anti-poverty campaign and mental health* Economics and Finance Workshop (City University of Macau). [Link](#). Jan. 2025.
- T2. Liu, Z., **Zhuang, C. C.** & Wu, Y. *Cutting the apron strings: Lifting poverty monitoring and mental health* The 3rd Xiangjiang River Forum in Economics, Finance and Management for Young Scholars (Hunan University Center for Economics, Finance and Management Studies). [Link](#). Oct. 2024.
- T3. Xiao, S., **Zhuang, C. C.**, Hamdan, R., Wong, C. Y. & Syed Salleh, S. N. *Temporary basic income, human capital investment, and fertility decisions: The trade-offs in household resource allocation* The 7th RUC-GLO Annual Conference on “Low Fertility and Population Ageing” (Beijing, China). [Program](#). Nov. 2024.
- T4. **Zhuang, C. C.**, Shao, C. & Chen, Q. *Heterogeneous impacts of regional trade liberalization on export entry and training: A multi-destination perspective* WEAI 99th Annual Conference (Seattle, WA, USA). [Program](#). July 2024.

- T5. Shi, J., Wang, X. & **Zhuang, C. C.** *Health insurance design with heterogeneous preferences* Renmin University of China. [Link](#). May 2023.
- T6. Huang, Q., Lu, Z. & **Zhuang, C. C.** *Examining the Zero-Markup Drug Policy in China: A structural approach* SUFE-Jinan IO Conference (Virtual). [Program](#). July 2022.
- T7. **Zhuang, C. C.** *The economic impacts of climate change, employment environment, and pharmaceutical policy reform* Ecology, Environment, and Climate Economics Workshop (Peking University School of Economics). [Link](#). Sept. 2022.
- T8. Huang, Q., **Zhuang, C. C.** & Lu, Z. *Vertical separation and price bargain: A case study of China's lipid-lowering drug industry* WEAI 96th Annual Conference (Virtual). [Program](#). June 2021.  
– I served as the session chair and host.
- T9. Huang, Q., **Zhuang, C. C.** & Lu, Z. *Vertical separation and price negotiation: A case study of China's lipid-lowering drug industry* China Meeting of the Econometric Society (Virtual). [Program](#). July 2021.  
– I was the actual presenter.

## Posters

- P1. Huang, Q., Lu, Z. & **Zhuang, C. C.** AEA/ASSA Annual Meeting (Virtual). Jan. 2022.
- P2. Shi, J., Wang, X. & **Zhuang, C. C.** *Health insurance design in a tiered medical system* ARIA Annual Meeting 2022 (Long Beach, CA, USA). Aug. 2022.
- P3. Huang, Q. & **Zhuang, C. C.** NABE TEC 2020 (Virtual). Nov. 2020.

## Selected Media Coverage

- 2024 澎湃新闻, 北大经院科研 | 庄晨助理教授、龚明远博士后的合作论文分别发表于Nature子刊 [R2]
- 2023 UIC Today, [Precarious work associated with high BMI](#) [O8]
- 2021 Forbes, [Gig Platforms Failing To Provide Fair Work \(Still\)](#). (Our study [O12] was cited in the first paragraph of the article.)

## Teaching

### Peking University

- 2023– Instructor, Principles of Economics II
- 2023– Instructor, Modern Tools for Policy Analysis (Undergraduate and Graduate)
- 2015 Assistant Instructor, Sustainable Economics: China's Economic Development and Future Transition (LSE-PKU Summer School)
- 2015 Assistant Instructor, Advanced Econometrics I (Ph.D.)
- 2015 Assistant Instructor, Advanced Microeconomics I (Ph.D.)

## University of Washington

2022	Assistant Instructor, Operations Management (EMBA)
2021	Assistant Instructor, Statistical Reasoning (Undergraduate)
2019–20	Assistant Instructor, Intermediate Microeconomics (Undergraduate)
2019	Instructor, Advanced Microeconomics (Undergraduate)
2018–19	Instructor, Intermediate Microeconomics (Undergraduate)
2018	Assistant Instructor, Econometrics II (Ph.D.)
2017	Instructor, Introduction to Microeconomics (Undergraduate)
2017	Assistant Instructor, Introduction to Microeconomics (Undergraduate)
2017	Assistant Instructor, Introduction to Macroeconomics (Undergraduate)

## Academic Advising

### Graduate

2024–	Yuwen Hu, Peking University, Chair
2024–	Jiajun Chen, Peking University, Chair
2023–	Wenxin Tan, Peking University, Chair
2024–	Qiuyin Ji, Peking University, Member
2023–	Xu Ke, Peking University, Member
2023–	Leiqiang Cui, Peking University, Member
2023–	Xiaoxue Zong, Peking University, Member
2022–	Yisong Wang, Peking University, Member
2022–	Jingyu Yin, Peking University, Member

### Undergraduate

2024–25	Hou-Chai Chen, Sio-Mei Yuan, Jingsong Huang, Li Wang, Peking University
2023–24	Wenyi Wang, Yi-Ning Gan, Beile Zhu, Peking University
2022–23	Jingli Huang, Ziwei Zheng, Peking University

## Academic Services

### Journal Referee (Current)

2024–	International Journal of Industrial Organization, Digital Economy and Sustainable Development, Economic Analysis and Policy, Social Science & Medicine, Preventive Medicine, Heliyon
2022–	Journal of Econometrics, Applied Economics, Emerging Markets Finance and Trade, The Lancet Planetary Health
2019–	经济学季刊, Economics of Transition and Institutional Change
2014–	China Economic Review

## Journal Referee (Past)

2025 Economic Systems, Public Health, npj Heritage Science  
2023 Frontiers in Psychology  
2021 Applied Economics Letters

## Project Consultant

2021– [UNDP Malaysia](#)  
2021– [Malaysian Institute of Economic Research \(MIER\)](#)

## Workshop Organizer

2023 PKU School of Economics-Institute for Global Health and Development Health & Labor Workshop  
2021–22 UW Econ Labor/Development Brownbag

## Other Experience

2015–16 Intern, [Analysis Group, Inc.](#), Beijing  
2014–16 Research Assistant, [Cheung Kong Graduate School of Business](#) (supervised by V. Brian Viard), Beijing

---

Last updated: February 23, 2025