Xian Zhang
Duke Kunshan University

Curriculum Vitae

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Google Scholar: https://scholar.google.com/citations?user=2vQePQoAAAAJ&hl=zh-TW

Education

M.A. in Economics	Duke University (Durham, NC, USA), 2019
B.M. in Corporate Finance	Shanghai University of International Business and Economics (Shanghai, China), 2017

Employment Experience

2021.07 - present	Research Fellow (Supervisor: Prof. Lijing L. Yan lijing.yan@duke.edu)
	Duke Kunshan University, Global Health Research Center (Suzhou, China)
	Role: Led several research projects that led to academic publication; Mentored students in their thesis; Grand Application; Delivered lectures in data analyses.
2019.11 - 2021.06	Consultant (Supervisor: Economist Sven Neelsen sneelsen@worldbank.org),
	The World Bank Group, Universal Health Coverage (Washington D.C., USA)
	Role: Discovered new data sources, cleaned data, and assisted in constructing a global database of health expenditures.

Honors, Scholarship and Fellowship

2024 - 2027	China Center for Health Economic Research (CCHER) Fellowship, Peking University National School of Development (NSD), and Institute for Global Health and Development (GHD)
2018	M.A. Merit Scholar Award, Duke University, USA
2013 - 2016	- Second Prize Scholar Awards (Ranking 10%) for the 2013-2014 and 2014-2015 Academic Years, Third Prize Scholar Award for the 2015-2016 Academic Year. Honored by Shanghai University of International Business and Economics, China

Studies in progress

1. End-of-Life Medical Spending (Supervised by Prof. Ming Gu):

   - Studied the determinants of intensive procedure and palliative care one year before the mortality.

2. The validation of cue theory in vaccination behavior (Supervised by Prof. Yuyu Chen):
   - Applied Cue Theory identifies the effect of dog bite events and rabies vaccination as an instrumental variable on the effect of other individual vaccination uptake.

Bibliography *(* first author, #corresponding author)*

Summary: Published 10 peer-reviewed manuscripts, and 5 abstracts.

1. Jin X*, Xiong S, Yuan C, Gong E, **Zhang X**, Yao Y, Leng Y, Niu Z, Zeng Y# and Yan LL# (2021) Apolipoprotein E Genotype, Meat, Fish, and Egg Intake in Relation to Mortality Among Older Adults: A Longitudinal Analysis in China. Front. Med. 8:697389. doi: 10.3389/fmed.2021.697389

2. Jin X*, Long T, Chen H, Zeng Y, **Zhang X**, Yan LL.# and Wu C#. (2022) Associations of Alcohol Dehydrogenase and Aldehyde Dehydrogenase Polymorphism with Cognitive Impairment Among the Oldest-Old in China. Front. Aging Neurosci. 13:710966. doi: 10.3389/fnagi.2021.710966

3. Xiong S*, Wang Z, Lee B, Guo Q, Peoples N, Jin X, Gong E, Li Y, Chen X, He Z, **Zhang X**, Yan LL#. The association between self-rated health and all-cause mortality and explanatory factors in China's oldest-old population. J Glob Health. 2022 Jul 23;12:11005. doi: 10.7189/jogh.12.11005. PMID: 35866355; PMCID: PMC9305379.

4. Chen X*, Wu W, **Zhang X**, Long T, Zhu W, Hu R, Jin X, Yan LL#, Yao Y#. Mediation analysis of leisure activities on the association between cognitive function and mortality: a longitudinal study of 42,942 Chinese adults 65 years and older. Epidemiol Health. 2022;44:e2022112. doi: 10.4178/epih.e2022112. Epub 2022 Nov 27. PMID: 36470262; PMCID: PMC10106552.

5. **Zhang X***, Shen P*, Liu J, Ji X, Su K, Hu R, Chen C, Fang Hai, Jin X, Lin H, Sun Y#, Yan LL#. Evaluating the Effectiveness and Cost-effectiveness of Free Influenza Vaccination Policy for Older Adults in Yinzhou, China: Study Protocol of a Real-World Analyses. Vaccine. 2023 Jul 31;41(34):5045-5052. doi: 10.1016/j.vaccine.2023.06.087. Epub 2023 Jul 5. PMID: 37419850.

6. Sun Y*, **Zhang X***, Shen P, Ye L, Yan LL#, Lin H#. [Effectiveness of free influenza vaccination among elderly people ≥70 years of age in Yinzhou district of Ningbo city: a real-world retrospective cohort study]. [J]. Chinese Journal of Vaccines and Immunization,2023,29(03):253-260.DOI:10.19914/j.CJVI.2023043. (In Chinese)

7. Gu Q*, Zheng Q, Zhang X, Lin L, Li S, Chen F, **Zhang X**, Yan LL#, and Chen Wei#. Trends in Health Service Use for Dry Eye Disease From 2017 to 2021: A Real-World Analysis of 369,755 Outpatient Visits. *Trans. Vis. Sci. Tech.* 2024;13(1):17. https://doi.org/10.1167/tvst.13.1.17.

8. Chen X*, Wang J*, **Zhang X**, Xiao G, Luo S, Liu L, Kong W, Zhang X, Yan LL, Zhang S. Residential proximity to major roadways and hearing impairment in Chinese older adults: a population-based study. BMC Public Health. 2023 Dec 8;23(1):2462. doi: 10.1186/s12889-023-17433-6. PMID: 38066478; PMCID: PMC10709848.

9. Chen X*, Zheng Y*, Wang K, **Zhang X**, Nakai K, Yan LL#. Resting heart rate and risk of dementia: a Mendelian Randomization Study in the International Genomics of Alzheimer's Project and UK Biobank. PeerJ.

10. Dong W*, Zhang X*, Liu S*, **Zhang X**, Li Z, Gu M, Yang Y, Fang YE, Li H, Qian J, Zhang M, Wang L, Yan LL, Wu J. Effect of the national integrated demonstration area for the prevention and control of noncommunicable diseases programme on behavioural risk factors in China: a synthetic difference-in-differences study. Lancet Reg Health West Pac. 2024 Aug 9;50:101167. doi: 10.1016/j.lanwpc.2024.101167. PMID: 39219626; PMCID: PMC11363990.

Papers under review (* first author, #corresponding author)

11. **Zhang X***, Zhang X*, Li Z*, Fang Y, Dong W, Liu Z, Wu J#; Yan LL#. Synthetic difference-in-differences method in program evaluation: A case study of the National Integrated Demonstration Areas for Non-Communicable Disease Prevention and Management Program in China. Heliyon (under review)

12. **Zhang X***, Ji X, Yang B, Su K, Hu R, Chen C, Liu J, Jin X, Shen P, Sun Y#, Lin H#, Yan LL. Evaluating the Effectiveness and Cost-effectiveness of Free Influenza Vaccination Policy for Older Adults in Yinzhou, China. The Lancet Regional Health – Western Pacific Health. (under review)

Academic Presentations

2024:   - Global Experience and China's Development: International Conference on Innovation in Long-term Care Public Policies Theories and Practices.

- International Conference/Training Workshop on Projections/analyses of Households and Living Arrangements, and Applications in Healthy Aging and Sustainable Development Studies.

2022:   - The 5th China Healthy Economy Development Forum. (First price)

Professional Service

Reviewer

2024: *Chinese Preventive Medicine*

Tutor

2021 - 2024: 5-week Data Analysis Training Course tailored for undergraduate and graduate students in Global Health.

Assistant Mentor

2021 - 2024: Assistant mentor for over 7 undergraduate and graduate theses in Global Health or Public Health, involving abstracts No. 10 - 12.

Grant Applicant

July 2020 - Jan. 2021: Applicated for funding to rebuild African American communities in Missouri. African People's Education and Defense Fund

2022-2024: Assisted in applying for academic funding for research projects in NCD management, health policy evaluation, etc.

Skills Summary

Programming Skills: STATA, R, ArcGIS, Python, SQL(dbvisualizer), Plink, Quartrics, Zotero, LaTex

Experimental Skills: Data analyses, Causal Inference, Empirical Application of Econometrics Model, Academic Writing, Literature Review, Fund Application

Language: Chinese (native), English

References:

Prof. Lijing L. Yan	Prof. Yang Yue	Asst. Prof. Ming Gu
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