Jiajun Hao

✉ E-MAIL: jiajunhao17@gmail.com   🌐 WEB PAGE: https://hao-jiajun.netlify.app/

EDUCATION BACKGROUND

Zhejiang University, School of Public Health   **09/2021 – 06/2024 (expected)**
Master of Public Health   Average score: 85
- Major course: *Health Economics; Social Medicine and Health Management; Behavioral Science; Global Health; Medical Statistics; Epidemiology*

Shanxi University, School of Political Science and Public Management   **09/2017 – 06/2021**
Bachelor of Management in Labor and Social Security   Overall GPA: 3.68/4.5, Rank: 2/79
- Major course: *Public Management; Health Insurance; Public Economics; Principles of Economics; Pension Insurance; Social Statistics; Social Theory*
- Thesis: The New Rural Cooperative Medical Financing Mechanism Research

RESEARCH AND TECHNICAL EXPERIENCE

Shanghai Health Technology Assessment Research Department   **Shanghai, China**
Research Associate | Supervisor: Dr. Haiyin Wang, Dr. Shan Jiang   **03/2023 – 09/2023**
Project 1: Publicly funded insurance reimbursement threshold adjustment for rare diseases: an equity-based approach among decision-makers
- Supported work for DCE questionnaire design, such as finding some literature to support the study, calculating some key numbers used in the questionnaire, and checking the validity;
- Conducted the pilot study, revised the questionnaire, and made the final version of the questionnaire;
- Conducted one-on-one interviews with decision-makers regarding their willingness to pay for a QALY for rare diseases;
- Supported data analysis work, such as data cleaning;
- Compiled and composed the detailed report.

Project 2: Equity-based weighting for public insurance reimbursement threshold adjustment among general public
1. **Designed the Discrete Choice Experiment**
- Conducted a literature review (found the key attributes for experiment);
- Designed the model and checked constraints;
- Designed questions using Ngene;
- Conducted a simulation using Stata to check the validity of the model.
2. **Participated in the design of questionnaires on inequality aversion and risk aversion**
- Conducted a literature review to integrate the measurement of inequality aversion and risk aversion;
- Designed a questionnaire about inequality aversion.

Project 3: Development of a Methodology for Measuring Similarity for Hypertension Drugs Across Different Healthcare Institutions
- Analyzed the current situation of hypertension medication in Shanghai;
- Explored methodologies, primarily focusing on *distance algorithms* and *Coupling Coordination Degree* from physics, to develop an algorithm for measuring similarity;
- Delivered an oral presentation to the government about our study;
- Compiled and composed the detailed report.

Project 4: Effectiveness Assessment of Bispectral Index Anesthetic Depth Monitoring
- Developed search strategies for literature review and established inclusion and exclusion criteria;
- Screened literature and extracted data;
- Conducted the meta-analysis using R;
- Compiled and composed the detailed report.

Global Health Research Center, Zhejiang University   **Hangzhou, China**
Student | Supervisor: Prof. Therese Hesketh, Prof. Peige Song   **09/2021 – Present**
Research Topic 1: Global Economic Burden of Neonatal Disorders in 1990-2030
- Designed a comprehensive study using the human capital approach to calculate the global economic burden from 1990 to 2019, and employed the ARIMA model for forecasting future global economic burden;
- Analyzed the data using R;
- Working on a manuscript.

Research Topic 2: Adverse Childhood Experience and health status of Coal Miners in Shanxi Province
- Designed and implemented a quantitative research project among coal miners in Shanxi Province in China;
- Data analyzing and working on a manuscript.

Research Topic 3: Age at natural menopause and associated factors with early and late menopause among Chinese women in Zhejiang province: A cross-sectional study
- Drafted a manuscript.

Sexual Violence Research Initiative (SVRI) Grant 2023   **China**
Investigator | Supervisor: Prof. Peige Song   **01/2023 – Present**
Title: **Uncovering adverse childhood experiences and violence against left-behind women: life course pathways and priority setting**
- Participated in the composition of a proposal, with responsibilities focused on studying the types of violence perpetrated against left-behind women;
- Participated in the field investigation in the summer.

LEADRSHIP/TEAMWORK EXPERIENCE

Zhejiang University, School of Public Health
Hangzhou, China

Teaching Assistant
Summer 2022, Fall 2022

- Selected as teaching assistant for Global Health and Preventive Medicine, core courses for the undergraduate students;
- Designed course materials including study problems and exams;
- Graded problem sets and exams.

Adverse Childhood Experiences Care Account in Wechat
Hangzhou, China

Editor
01/2023 – Present

- Translate essays about ACEs in Chinese and disseminate these knowledge to public through the account;
- Disseminate the practical work that we are engaged in through the account.

SKILLS AND INTERESTS

Computer Skills: Ngene, R, STATA, SAS, Adobe Illustrator, Microsoft Office

Interests: Cycling trip; Soccer

Training Experience/Certificate:

- Health economics & health technology assessment in China and the Asia Pacific (2023)   **Online**

PUBLICATIONS

Journal Articles

- Yi, Qian, Jing Wu, Yaojia Shen, Yunyin Zhu, Yiyang Zhou, He Bai, **Jiajun Hao**, Peige Song. Associations of concurrent early-life famine exposure and adulthood obesity with type 2 diabetes mellitus in middle-aged Chinese. Journal of Diabetes.*(Accepted)*
- Zhu S, Hou L, Ma J, Li S, Sun W, Liu W, **Hao J**, Xiao W, Cheng S, Zhang D, Zhao D, Song P. Associations between adverse childhood experiences and diabetes among middle-aged and older Chinese: a social-ecological perspective. Epidemiol Health. 2023 Aug 2:e2023071. doi: 10.4178/epih.e2023071.
- Shen Yaojia, Yi Qian, **Hao Jiajun**, et al. Comparison and influencing factors of migrant women and women with household registration on their willingness to have children again[J].Medicine and Society,2023,36(05):50-55.DOI:10.13723/j.yxysh.2023.05.009.(*Chinese*)

Preprint

- Yi, Qian and Sun, Weidi and Hou, Leying and **Hao, Jiajun** and Bai, He and Li, Shuting and Wu, Jing and Yuan, Changzheng and Li, Xue and Li, Sheyu and Song, Peige, Lactation Duration and the Risk of Type 2 Diabetes Mellitus in Parous Women: A Perspective on Socioeconomic Status Disparity. Available at SSRN: https://ssrn.com/abstract=4534800 or http://dx.doi.org/10.2139/ssrn.4534800

Manuscripts Drafted (+ indicates co-first authors)

- Jie Jiao[+], **Jiajun Hao**[+], Leying Hou, Zeyu Luo, Shiyi Shan, Yuehong Ding, Linjuan Ma, Yizhou Huang, Qian Ying, Feixue Wang, Jianhong Zhou, Yumei Ning, Lin Xu, Peige Song. Age at natural menopause and associated factors with early and late menopause among Chinese women in Zhejiang province: A cross-sectional study. *(Submitted)*
- **Jiajun Hao**, Peige Song, Therese Hesketh. The Past, Present, and Projected Economic Burden of Neonatal Disorders and its Specific Causes in 201 Countries/Territories:Findings From the Global Burden of Disease Study 1990-2019. *(Manuscript drafted)*
- **Jiajun Hao**, Peige Song, Therese Hesketh. Does the Long Arm of Childhood Exacerbate Health Inequality Among Occupational Groups? A Cross-Sectional Study Based on Coal Miners in Shanxi Province in China. *(Manuscript drafted)*

HONOR

- Zhejiang University Academic Scholarship   **2022**
- China National Inspirational Scholarship   **2019**
- Excellent Student in Shanxi University   **2018, 2019**