Xuan Li

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Educational Background

Vanke School of Public Health, Tsinghua University   **2021.09-2024.06**

- Master of Public Health.
- Supervisor: Prof. Kun Tang.
- GPA: 4.00/4.00 (1/23). Core Courses: Global Health, Environment Health, Health Economics, Biological Statistics.
- Honor: Wangda Zhong Chancellor's Scholarship (Top 0.5%, one of the highest awards in Tsinghua University).

School of Statistics, Renmin University of China   **2017.09-2021.06**

- Dual Bachelors of Economics (Economic Statistics) and Science (Mathematical Statistics).
- GPA: 3.80/4.00 (3/37). Core Courses: Mathematical Statistics, Machine Learning, Micro and Macro Economics.
- Honors: First Class Scholarship for Academic study (Top 5%), Excellent Graduation Thesis of Beijing (Top 1%).

Publication and Manuscript

[1] **Li, X**., Zhang, H., Zhao, S., & Tang, K. Predicting Risky Sexual Behavior Among College Students Through Machine Learning Approaches: Cross-sectional Analysis of Individual Data From 1264 Universities in 31 Provinces in China. JMIR public health and surveillance. [Full text][PDF][Medline]

[2] **Li, X**., & Tang, K. The Effects of Online Health Information-Seeking Behavior on Sexually Transmitted Disease in China: Infodemiology Study of the Internet Search Queries. Journal of medical Internet research. [Full text][PDF][Medline]

[3] Jiang, L., Tang, K., Magee, L. A., von Dadelszen, P., Ekeroma, A., **Li, X.**, Zhang, E., & Bhutta, Z. A. A global view of hypertensive disorders and diabetes mellitus during pregnancy. Nature reviews. Endocrinology. [Full text][PDF][Medline]

[4] Jiang, L., Tang, K., Irfan, O., **Li, X.**, Zhang, E., & Bhutta, Z. (2022). Epidemiology, Clinical Features, and Outcomes of Multisystem Inflammatory Syndrome in Children (MIS-C) and Adolescents-a Live Systematic Review and Meta-analysis. Current pediatrics reports. [Full text][PDF][Medline]

[5] Jiang, L. *, **Li, X.***, Nie J.,Tang, K., & Bhutta, Z., A systematic review of long-term outcomes after SARS-CoV-2 infection in children and adolescents (Accepted by PEDIATRICS).

[6] **Li X***, Dessie Y*, Mwanyika-Sando M, et al. Co-Occurrence of and Factors Associated with Health Risk Behaviors Among Adolescents: A Multi-Center Study in Sub-Saharan Africa, China, and India[J] (Under Review in eClinicalMedicine). [Full text][PDF]

[7] **Li, X**., He Q., & Tang K. Predicting Pregnancy Termination with Key Factors Through Machine Learning Approaches: A Pooled Analysis of 51 Low- and Middle-Income Countries. (Preprint) [Full text][PDF]

[8] Sun H, Zhang R, **Li X,** Tang K. How we discuss AIDS in China: mapping the AIDS Week health campaign on social media. (Under Review in Journal of Medical Internet Research). [Full text][PDF]

Research Projects

1. Africa Research, Implementation Science, and Education (ARISE)   **2021.12-present**

- **Principal investigator:** Wafaie W. Fawzi, Harvard university, US.
- **Project overview:** To establish a multi-country prospective cohort to execute digital interventions on adolescents in eight Sub-Saharan African countries, India, and China. [Detailed information]
- **My role:** To collect data and lead digital interventions in China; Lead author of two cross-country research papers.

2. The impact of COVID-19 on the health of children and adolescents worldwide   **2021.06-2023.05**

- **Principal investigator:** Zulfiqar A. Bhutta, Centre for Global Child Health, Canada; Kun Tang, Tsinghua University, China; Li Jiang, Centre for Global Child Health, Canada.
- **Project overview:** To investigate the impacts of COVID-19 on children and adolescent health.
- **My role:** To execute literature screening, data extraction, and data analysis.

3. Health workforce cohort scope review   **2023.02-present**

- **Principal investigator:** Mike English, Oxford university, UK; ATTAKRIT LECKCIVILIZE, Oxford university, UK; Yingxi Zhao, Oxford university, UK.
- **Project overview:** To understand how are health workforce cohorts being setup and maintained globally.
- **My role:** To execute literature screening, data extraction, and data analysis.

4. Strategic Consulting for Asian Infrastructure Investment Bank (AIIB)   2022.02-2022.05
- **Principal investigator:** Erik Berglof, Chief Economist at AIIB; Abigail Wright, Senior Secretariat Officer at AIIB.
- **Project overview:** To structure a scope of "One Health" investment among 6 multilateral development banks (MDBs), including World Bank (WB), European Bank for Reconstruction and Development (EBRD), Asian Development Bank(ADB), Islamic Development Bank (IsDB), Inter-American Development Bank (IADB), and AIIB.
- **My role:** To develop the analysis framework, synthesize takeaways from One Health policies and practices across MDBs into recommendations.

5. Research Program on Transition from External Financing - Analytical   2021.10-2022.02
Framework to guide country teams
- **Principal investigator:** Kun Tang, Tsinghua University, China; Yingxi Zhao, Oxford university, UK.
- **Project overview:** To better understand how and why countries have (or not) been able to sustain (or increase) effective coverage of health interventions previously funded by donors and the enablers and barriers to this. [Detailed information]
- **My role:** To collect and analyze the data using Policy Triangle Framework.

6. Feasibility Analysis of Strengthening Self-health Management of the Aged   2019.03-2020.05
Population through Health Education in Rural Areas of China
- **Principal investigator:** Xuan Li (Me). (**Supervisor:** Yang Li, Renmin University of China)
- **Funding:** National-level project with RMB 20,000.
- **Project overview:** To evaluate the efficiency of health education on aged population in 3 rural counties in Beijing.

7. Teaching assistance: Applied Health Economics and Policy   2023.01-2023.04
- **Course instructor:** Antonio Trujillo, Johns Hopkins University, US

Social Work and Practice

1. 76th World Health Assembly   2023.05
- **Advisor of Chinese Delegation** in 76th World Health Assembly.

2. UNICEF Supply Division, Denmark   2023.08-2024.01
- **Intern** in the Product Innovation Centre at UNICEF Supply Division, Copenhagen

3. Baidu Intelligent medical Department   2022.06-2022.08
- **Intern** in Baidu (one of the biggest Internet companies in China).
- Participate the design work and market research of a health digital product combining AI and ultrasound.

4. Beijing Olympic Winter Games   2021.12-2022.03
- **Volunteer** in the COVID-19 Liaison Office.
- Serve as the team leader of the Nucleic Acid Testing Team to help COVID-19 prevention.

5. Tsinghua University Student Association of Public Health   2022.09-2023.06
- **Founding President** of Tsinghua University Student Association of Public Health
- First "Public Health" platform for young people with interdisciplinary backgrounds in Tsinghua University.

6. Capital of Statistics   2018.05-present
- **Core member** of Capital of Statistics, the biggest community of statistics and data science in China.
- **Secretary-general** of "13th R Conference in China", a national conference oriented with statistics and data science.

7. Beijing Boya Wisdom Technology Co., LTD   2020.08-2020.11
- **Intern** to produce courses related to Big Data and Artificial Intelligence (mainly about natural language processing).

Personal Skills

- Solid English skills (IELTS 7.0) and participate in a series of English-only projects and research work.
- Be proficient in R, Python, SQL, Stata, SPSS and other data analysis and visualization software.
- Be proficient in Word, PowerPoint, Excel and other office software.
- Be proficient in LaTeX, Markdown and other writing and typesetting software.