

# Xuan Li

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Welcome to my [Personal Website](#) for more details.

## 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 (Top 10%). 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, PEDIATRICS. (Accepted)
- [6] 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) [\[Full text\]](#)[\[PDF\]](#)

## 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 health education and digital interventions on adolescents in eight Sub-Saharan African countries, India, and China. [\[Detailed information\]](#)
- **My role:** **Research assistant** to collect prospective cohort data and lead digital interventions in China; **Lead author** of the cross-country research about “Co-occurrence of adolescent health risk behavior in Sub-Saharan Africa, India and China”.

### 2. The impact of COVID-19 on children and adolescents health globally

- **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, especially complications and long-term effects through systematic reviews.
- **My role:** **Research assistant and co-author** to execute literature screening, data extraction, and data analysis.

### 3. Health workforce cohort scope review

- **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:** **Research assistant and co-author** to execute literature screening, data extraction, and data analysis.

#### 4. Strategic Consulting on “One Health” for Asian Infrastructure Investment Bank (AIIB)

- **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:** Project core member (1/5) 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 Framework to guide country teams

- **Principal investigator:** [Kun Tang](#), Tsinghua University, China; [Yingxi Zhao](#), Oxford university, UK.
- **Funding:** This project was funded by Alliance for Health Policy and Systems Research and World Health Organization. [\[Detailed information\]](#)
- **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.
- **My role:** Research assistance to collect quantitative and qualitative data, analyze the data using Policy Triangle Framework.

#### 6. Feasibility Analysis of Strengthening Self-health Management of the Aged Population through Health Education in Rural Areas of China

- **Principal investigator:** Xuan Li (Me).
- **Supervisor:** [Yang Li](#), Renmin University of China.
- **Funding:** RMB 20,000 as a national-level project in Renmin University of China.
- **Project overview:** To evaluate the efficiency of health education on aged population in 3 rural counties in Beijing.
- **My role:** Project leader to design the study framework, execute field work and survey, and present the final report.

#### 7. Course Teaching: Applied Health Economics and Policy

- **Course instructor:** [Antonio Trujillo](#), Johns Hopkins University, US
- **My role:** Teaching assistance.

### Social Work and Practice

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#### 1. 76th World Health Assembly 2022.03-2022.06

- **Advisor of Chinese Delegation** in [76th World Health Assembly](#).

#### 2. Beijing Olympic Winter Games 2022.06-2022.08

- **Volunteer** in the COVID-19 Liaison Office.
- Serve as the team leader of the Nucleic Acid Testing Team to help COVID-19 prevention.

#### 3. Baidu Intelligent medical Department 2022.06-present

- **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. Tsinghua University Student Association of Public Health 2021.12-2022.03

- **Founder and the first chair** of [Tsinghua University Student Association of Public Health](#)
- First “Public Health” platform for young people with interdisciplinary backgrounds in Tsinghua University.

#### 5. Capital of Statistics

- **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.

#### 6. Beijing Boya Wisdom Technology Co., LTD

- **Intern** to produce courses related to Big Data and Artificial Intelligence (mainly about natural language processing).

### Personal Skills

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- 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.