

Le Zhang

No.38 Xueyuan Road, Haidian District, Peking University Health Science Center, Beijing, P.R.China

☎ (+86) 18811332956 | ✉ xiaoheitan@126.com | 🏠 zhangle0127.github.io | 📧 zhangle0127

Education

Peking University

Beijing, P.R.China

M.S. IN EPIDEMIOLOGY AND BIOSTATISTICS (GPA: 87.8/100)

Sep. 2015 - Present

Dissertation: Screening, treatment and prediction of multi-drug resistant tuberculosis.

Shandong University

Jinan, P.R.China

B.S. IN PUBLIC HEALTH (GPA: 86.1/100)

Sep. 2010 - Jun. 2015

B.S. IN FINANCIAL MATHEMATICS AND FINANCIAL ENGINEERING (GPA: 89.9/100)

Jun. 2013 - Jun. 2015

Dissertation: Spacial distribution and analysis on gastric cancer mortality in Shandong, China.

Language

IELTS Academic Test Band score of 7.0: Listening: 7.5, Reading: 8.5, Writing: 6.5, Speaking: 6.0

Research Skills

Spatiotemporal analysis software ArcGIS, GeoDa, SaTScan

Statistical software STATA, SPSS, SAS

Programming R, Python, Matlab (<https://github.com/zhangle0127>)

Publications

Treatment outcomes of multidrug-resistant tuberculosis patients in Zhejiang, China, 2009-2013 (IF: 5.3)

Clinical Microbiology and Infection

LE ZHANG, QIONG MENG, SONGHUA CHEN, ET AL.

Jul. 2017

<https://doi.org/10.1016/j.cmi.2017.07.008>

Drug-resistant tuberculosis in Zhejiang Province, China: an updated analysis of time trends, 1999-2013 (IF: 1.8)

Global Health Action

BEIBEI WU*, LE ZHANG* (CO-FIRST), ET AL. (AUTHORSHIP ERRATUM CORRECTING)

Jun. 2017

<http://dx.doi.org/10.1080/16549716.2017.1293925>

Multidrug-resistant Tuberculosis Burden among the New Tuberculosis Patients in Zhejiang Province: An Observational Study, 2009-2013 (IF: 1.1)

Chinese Medical Journal (English)

YING PENG, SONGHUA CHEN, LE ZHANG, ET AL.

Aug. 2017

<https://doi.org/10.4103/0366-6999.213413>

The Population Biology of Tuberculosis

People's Medical Publishing House

LE ZHANG AS ONE OF THE TRANSLATORS

Aug. 2017

<https://mp.weixin.qq.com/s/ooDCWdBwk2F6jYmnnMQT5Q>

Spatio-temporal patterns of gastric cancer mortality in Shandong Province, China

Bachelor's thesis

LE ZHANG

Dec. 2015

Bachelor's thesis

A dynamic model of tuberculosis transmission and control in Zhejiang Province, China

Chinese Journal of Preventive

Medicine

LE ZHANG, ZUHONG LU, ZHONGWEI JIA

Sep. 2017

Under Review

Application of machine learning in predicting smoking among the domestic migrants, China

Manuscript in preparation

LE ZHANG, RUCONG WU, ZUHONG LU, ET AL.

Oct. 2017

Manuscript in preparation

Research Projects

Mathematical modeling of tuberculosis epidemics and comparing its control measures in Zhejiang, China

Beijing, P.R.China

RESEARCH ASSISTANT, SCHOOL OF PUBLIC HEALTH, PEKING UNIVERSITY & NATIONAL INSTITUTE OF DRUG DEPENDENCE

Sep. 2015 - Present

- Examined treatment outcomes and analyzed factors associated with poor treatment outcomes of multi-drug resistant tuberculosis.
- Constructed a dynamic model to predict TB epidemics in 2050 in Zhejiang, China.
- Compared the effects of various control measures related to tuberculosis.
- Responsible for model building, data analysis, simulation and paper writing.

Application of machine learning in predicting smoking among the domestic migrants, China

Beijing, P.R.China

RESEARCH ASSISTANT, SCHOOL OF PUBLIC HEALTH, PEKING UNIVERSITY & NATIONAL INSTITUTE OF DRUG DEPENDENCE

Jun. 2016 - Present

- Constructed a random forest model to predict smoking.
- Responsible for data collection, data analysis and paper writing.

Spatio-temporal epidemiological study of gastric cancer mortality in Shandong, China

Jinan, P.R.China

RESEARCH ASSISTANT, DEPARTMENT OF BIOSTATISTICS, UNIVERSITY OF SHANDONG

Jun. 2014 - Jun. 2015

- Performed data visualization and spatial analysis in ArcGIS.
- Detected 5 hot spots of gastric cancer.
- Spatial description, geographical analysis and thesis writing.

Multi-center chronic disease cohort study

Jinan, P.R.China

RESEARCH ASSISTANT, DEPARTMENT OF BIOSTATISTICS, UNIVERSITY OF SHANDONG

Jul. 2012 - Sep. 2014

- Conducted personal interviews, physical examinations and collected samples.
- Scheduled program logistics, maintained relationships with participants.

Additional Experience

Teaching course: Spatial Epidemiology

Beijing, P.R.China

TEACHING ASSISTANT

Sep. 2017 - Present

- Led weekly discussion sections and tutorials of 10+ students, planned lessons and activities, graded papers and provided comments.

Qingdao Center for Disease Control and Prevention (CDC)

Qingdao, P.R.China

GROUP LEADER IN THE INTERNSHIP TEAM

Apr. 2014 - Jul. 2014

- Led a group of 20+ students in internship training, including community health promotion, emergency management, and public health research.

The Second Hospital of Shandong University (SHSU)

Jinan, P.R.China

HOSPITAL INTERN

Nov. 2013 - Feb. 2014

- Intern in general surgery, internal medicine, pediatrics, obstetrics/gynecology, cardiology and pulmonology, and Infectious disease.

Honors & Awards

- 2011 **Scholarship**, Outstanding Student Scholarship (Garde 3)
- 2012 **Scholarship**, Outstanding Student Scholarship (Garde 3)
- 2013 **Scholarship**, Outstanding Student Scholarship (Garde 3)
- 2014 **Scholarship**, Outstanding Student Scholarship (Garde 2)
- 2015 **Honor**, Outstanding Student Leader
- 2015 **Scholarship**, Outstanding Student Scholarship (Garde 2)
- 2016 **Scholarship**, Outstanding Student Scholarship (Garde 2)
- 2017 **Honor**, Triple-A student

Shandong University

Shandong University

Shandong University

Shandong University

Shandong University

Peking University

Peking University

Peking University