



Zhen Lu

PH.D. CANDIDATE OF EPIDEMIOLOGY AND BIostatISTICS · SUN YAT-SEN UNIVERSITY
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Education

Sun Yat-sen University

PH.D. CANDIDATE IN EPIDEMIOLOGY AND BIostatISTICS

China

Sept. 2022 - Present

- Advisor: [Siyang Liu](#), [Huachun Zou](#)
- Research fields: Biostatistics, machine learning, casual inference, clinical epidemiology

Harbin Medical University

M.Sc. IN EPIDEMIOLOGY AND BIostatISTICS

China

Sept. 2018 - Jun. 2021

- Advisor: Yan Liu
- Research fields: Biostatistics, data science, artificial intelligence

Harbin Medical University

B.Sc. IN PREVENTIVE MEDICINE

China

Sept. 2013 - Jun. 2018

- School of Public Health

Work Experience

MacroStat (China) Clinical Research Co., Ltd. - Tigermed

STATISTICIAN I

Shanghai, China

Jul. 2021 - Mar. 2022

- Specialized in statistical methods and SAS programming in clinical trials

Publications

REPRESENTATIVE JOURNAL ARTICLES [3/27] (* FOR CO-FIRST AUTHOR)

1. H. Zou, **Z. Lu***, W. Weng, L. Yang, L. Yang, X. Leng, J. Wang, Y.-F. Lin, J. Wu, L. Fu, X. Zhang, Y. Li, L. Wang, X. Wu, X. Zhou, T. Tian, L. Huang, C. M. Marra, B. Yang, T.-C. Yang, and W. Ke. "Diagnosis of neurosyphilis in HIV-negative patients with syphilis: development, validation, and clinical utility of a suite of machine learning models". *eClinicalMedicine* 62 (2023), p. 102080. doi: [10.1016/j.eclinm.2023.102080](https://doi.org/10.1016/j.eclinm.2023.102080). (Advisor as first author, JCR Q1, IF 17.033).
2. **Z. Lu**, L. Fu, L. Yang, T. Tian, Y. Gao, X. Meng, and H. Zou. "Hesitancy to Undergo SARS-CoV-2 Rapid Antigen Testing in China: Nationwide Cross-sectional Study". *JMIR Public Health Surveill* 9 (2023), e43555. doi: [10.2196/43555](https://doi.org/10.2196/43555). (JCR Q1, IF 14.557).
3. L. Yang, **Z. Lu***, J. Bian, F. Li, and H. Zou. "Association between chronic viral infection-related hospitalization and risk of cardiovascular disease: A population-based cohort study". *Journal of Medical Virology* 96.1 (2024), e29350. doi: <https://doi.org/10.1002/jmv.29350>. (JCR Q1, IF 12.7).

Patents

Non-therapeutic clinical diagnosis system for neurological syphilis based on machine learning, LU504466 (rank 1/1)

2023

Honors & Awards

2024	The National Scholarship	November
2024	The Presidential Scholarship	Sun Yat-sen University, September
2024	Cover image of Journal of Medical Virology	Volume 96, Number 1, January
2023	The First Prize Scholarship	Sun Yat-sen University, September
2019	The First Prize Scholarship	Harbin Medical University, December

Teaching Experience

2022-24 Teaching Assistant (TA) of Epidemiology
2023 TA of English for Public Health
2018-19 TA of Biostatistics

Sun Yat-sen University
Sun Yat-sen University
Harbin Medical University

Service & Outreach

Personal WeChat official account about biostatistics

OWNER

- Authored posts about biostatistics, artificial intelligence, and coding tips of R, SAS, and Python

Academic reviewer

PEER REVIEW

- Completed the peer-review process by providing the review reports for journals

Academic advising

CONSULTED ON BIOSTATISTICS AND CLINICAL EPIDEMIOLOGY

- Advised PhD, master and bachelor students on biostatistics and academic writing

Skills

Programming R, SAS, Python, SQL, Git/GitHub, Markdown, LaTeX

Languages Mandarin (native), English (fluent)

IDE RStudio, SAS Enterprise Guide, Visual Studio Code, PASS, Overleaf