

Xiaoxiao Ling

Researcher in Health Economics, University of Oxford

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EDUCATION

PhD in Statistical Science, University College London, UK	2019-2025
Project title: Item-level missing data in trial-based health economic evaluation	
MSc Health Economics and Decision Science, Institute for Global Health, University College London, UK (Distinction Award)	2017-2018
BSc in Management, School of Public Health, Fudan University, China	2013-2017

SELECTED PUBLICATIONS

- **Ling, X.**, Gabrio, A., & Baio, G. (2025). Bayesian cost-effectiveness analysis using individual-level data is sensitive to the choice of Uniform priors on the standard deviations for costs in Log-Normal models. *Pharmacoeconomics*. (Accepted)
- Jin, H., Tappenden, P., **Ling, X.**, Robinson, S. and Byford, S., (2023). A systematic review of whole disease models for informing healthcare resource allocation decisions. *Plos one*, 18(9).
- **Ling, X.**, Gabrio, A., Mason, A., & Baio, G. (2022). A Scoping Review of Item-Level Missing Data in Within-Trial Cost-Effectiveness Analysis. *Value in Health*.
- Heslin, M., Jin, H., Trevillion, K., **Ling, X.**, Nath, S., Barrett, B., ... & Byford, S. (2022). Cost-effectiveness of screening tools for identifying depression in early pregnancy: a decision tree model. *BMC health services research*, 22(1), 1-17.
- Zhu, W., **Ling, X.**, Petersen, J. D., Liu, J., Xiao, A., & Huang, J. (2022). Clipping versus coiling for aneurysmal subarachnoid hemorrhage: a systematic review and meta-analysis of prospective studies. *Neurosurgical review*, 45(2), 1291-1302.
- Trevillion, K., Domoney, J., Ocloo, J., Heslin, M., **Ling, X. X.**, Stanley, N., ... & Howard, L. M. (2020). For Baby's Sake: Final Evaluation Report.
- Zhu, W., **Ling, X.**, Shang, W., Du, Y., Liu, J., Cao, Y., ... & Huang, J. (2020). High value of rapid diagnostic tests to diagnose malaria within children: A systematic review and meta-analysis. *Journal of Global Health*, 10(1).
- Zhu, W., **Ling, X.**, Shang, W., & Huang, J. (2020). The knowledge, attitude, practices, and satisfaction of non-invasive prenatal testing among Chinese pregnant women under different payment schemes: a comparative study. *International journal of environmental research and public health*, 17(19), 71-87.
- Du, Y. Q., **Ling, X. X.**, Jin, J. J., Zhou, H. Y., Zhu, S., Zhu, G. D., ... & Huang, J. Y. (2020). Cost-effectiveness analysis of malaria rapid diagnostic test in the elimination setting. *Infectious Diseases of Poverty*, 9(1), 1-11.
- **Ling, X. X.**, Jin, J. J., Zhu, G. D., Wang, W. M., Cao, Y. Y., Yang, M. M., ... & Huang, J. Y. (2019). Cost-effectiveness analysis of malaria rapid diagnostic tests: a systematic review. *Infectious Diseases of Poverty*, 8(06), 12-27.

WORKING PAPER

- **Ling, X.**, Gabrio, A., Mason, A., & Baio, G. Handling missing items in trial-based cost-effectiveness analysis with multi-item questionnaires: A Bayesian approach. Work in progress
- **Ling, X.**, Gabrio, A., Mason, A., & Baio, G. Impact of performing imputation at different level of missingness in trial-based cost-effectiveness analysis with multi-item questionnaires. Work in progress

CONFERENCES

May 2022	ISPOR 2022, poster presentation
May 2023	Society for Medical Decision Making (SMDM) European conference, poster presentation
June 2023	Health Economists' Study Group (HESG) Summer Meeting at Oxford, abstract submitted

TEACHING

Demonstration	Introduction to Practical Statistics (STAT0004), Introductory Statistical Methods (STAT0022), Statistical Computing (STAT0030), Mathematics and Statistics (COMP0011)
Marking	Introduction to Probability and Statistics (STAT0002), Further Probability and Statistics (STAT0003), Probability and Inference / Probability and Statistics II (STAT0005), Introductory Statistical Methods (STAT0022)

OTHER TRAINING

Modelling	University of York – Decision Analytical Modelling for Economic Evaluation - Advanced Course
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WORK EXPERIENCE

Full-time employment

Researcher in Health Economics, Nuffield Department of Primary Care Health Sciences, University of Oxford	2023-present
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Working on within-trial economic evaluations

Research Associate, King's Health Economics, King's College London, London	2018-2019
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Undertook cost-offset analysis, trial-based economic evaluations, and decision analytic modelling

Reported programme progress in interim meetings with clinical team and funders

Internship

Real World Insights Intern, IQVIA, Shanghai	Aug.-Sept. 2019
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Performed a literature search to identify the research trend in pain management

Identified key HTA stakeholders and experts in China

Screened articles and extracted data for systematic reviews: one was to investigate the prevalence of T2DM in China, another was to evaluate the impact of single-arm trials on HTA decisions

SKILLS

Statistics	Experienced in R, JAGS, Stan, STATA and Endnote
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Proficient in MS Office (Excel, Word, PowerPoint)

Language	English-fluent; Chinese-native
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AWARDS/SCHOLARSHIPS

UCL Engineering and Physical Sciences Research Council (EPSRC) DTP Research Studentship, University College London, 2019-2023

Distinction Award, University College London, 2018

First-Level Graduate Scholarship, Fudan University, 2017

OTHER CONTRIBUTION

Organise departmental PhD seminar series