

Stanford



Xingyao (Doria) Xiao

Postdoctoral Scholar, Education

Bio

BIO

Dr. Xingyao (Doria) Xiao is a postdoctoral scholar at Stanford's Graduate School of Education, working on the LEVANTE project—an international effort to better understand how children learn and develop across different cultures and contexts. Her research focuses on using advanced statistical methods, like Bayesian modeling and psychometrics, to study learning over time and improve how we measure it fairly.

At Stanford, Dr. Xiao collaborates with Professors Ben Domingue and Nilam Ram to help design research tools that work across languages, cultures, and educational systems, supporting more inclusive and accurate educational research worldwide.

STANFORD ADVISORS

- Ben Domingue, Postdoctoral Faculty Sponsor

LINKS

- Personal website: <https://doriaxiao.github.io/>

Publications

PUBLICATIONS

- **On the Consistency of Automatic Scoring with Large Language Models.** *Educational and psychological measurement*
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- **Gendered pathways to self-efficacy: moderating and mediating roles of family, school, and sibling contexts in early adolescence** *EUROPEAN JOURNAL OF PSYCHOLOGY OF EDUCATION*
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- **Trajectories of Depressive Symptom Among College Students in China During the COVID-19 Pandemic: Association With Suicidal Ideation and Insomnia Symptoms.** *Suicide & life-threatening behavior*
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- **Automatic Prompt Engineering for Automatic Scoring** *JOURNAL OF EDUCATIONAL MEASUREMENT*
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- **Bayesian Identification and Estimation of Growth Mixture Models** *PSYCHOMETRIKA*
Xiao, X., Rabe-Hesketh, S., Skrondal, A.
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- **Patterns of participation and performance at the class level in English online education: A longitudinal cluster analysis of online K-12 after-school education in China** *EDUCATION AND INFORMATION TECHNOLOGIES*
Wang, F., Zhu, X., Pi, L., Xiao, X., Zhang, J.
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- **A multi-level analysis on the causes of train-pedestrian collisions in Southwest China 2011-2020.** *Accident; analysis and prevention*
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- **Directional dependence between major cities in China based on copula regression on air pollution measurements.** *PloS one*
Kim, J. M., Lee, N., Xiao, X.
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