

Zhang Yifan (Jenny)

The University of Hong Kong
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Education

Ph.D. in Psychometrics

Faculty of Education
Thesis:

2022-2026(expected)
The University of Hong Kong

M.Sc. in Data Science

Department of Statistics & Department of Computer Science
Capstone project: Statistical Inference for Tensor Data

2020-2022
The University of Hong Kong

B.Sc. in Information and Computation Science

Department of Mathematics
Thesis: Analysis of Breast Cancer Prediction Based on Neural Network

2016 - 2020
Northeastern University, China

Publications

Zhang, Y. , & Chen, J. (2024). Accommodating and Extending Various Models for Special Effects Within the Generalized Partially Confirmatory Factor Analysis Framework. *Applied Psychological Measurement*, 48(4-5), 208-229.

Presentations

Yifan Zhang & Jinsong Chen (2023, March). Accommodating and extending various models for special effects within the generalized partially confirmatory factor analysis framework. Presented at the National Council on Measurement in Education (NCME), Chicago, IL. Virtual Presentation.

Yifan Zhang & Jinsong Chen (2023, March). Improving recommender system with the partially confirmatory approach and psychological factors. Presented at the National Council on Measurement in Education (NCME), Chicago, IL. Virtual Presentation.

Awards

Honorable Mention, COMAP(MCM)	2019
2nd Prize, China Undergraduate Mathematical Contest in Modeling	2018
1st Prize, NEU Mathematical Modeling Contest for College Students	2018
Successful Participant, COMAP(MCM)	2018
3rd Prize, China Undergraduate Mathematical Contest in Modeling	2017
3rd Prize, NEU Mathematical Modeling Contest for College Students	2017
Academic Scholarship, Northeastern University	2017/2018/2019

Working Experience

The University of Hong Kong
RPG student coordinator

January - June, 2024
Hong Kong, China

- Serve as student representatives to the Organizing Committee of the Research Postgraduate Conference
- Organize and support academic and social activities for MPhil/PhD/EdD students

The University of Hong Kong*Research Assistant I**June - August, 2022**Hong Kong, China*

- Enhance research methodology and psychometrics with learning-based latent variable modeling
- Methodological developments to advance educational and psychological measurement with Bayesian learning

The University of Hong Kong*Research Assistant II**June - August, 2021**Hong Kong, China*

- Prepare course materials for structural equation modeling
- Convert code and text materials using Rmarkdown

Biden Consulting Company*Campus Representative**March - November, 2019**Shenyang, China*

- Took the duties of brand and product promotion within campus.
- Planned and organized lectures and public welfare activities.
- Administrated operate alumni association.
- Campus excellent professional manager, ranked 4/100.

Manulife Financial Centre*Asset Management Intern**February, 2019**Hong Kong, China*

- Analyzed the Asian market and the development trend for asset planning products.
- Tracked the dynamic state of financial service industry and its market, collected and collated information from multiple sources, wrote complete business proposal to support evidence for decision-making.
- Packed the funds, by different years, conducted real situational simulation, and made portfolio analysis as reference for corporate assets department.
- Best Team Award of The 2019 Manulife GP programme.

Research Project

Artificial intelligence training camp - machine learning*Summer Camp**2019**Shenyang, China*

- Image Classification using deep learning.
- Used Python to construct convolutional neural network

Athletic Games Information Administration System*Summer Camp**2018**Shenyang, China*

- Used My Eclipse to design the website and realized basic functions of the interface.
- Applied SQL to design database and matched the relevant functions of the website.

Teaching

Structural Equation Modeling I*Teaching Assistant**Spring Semester, 2024**HKU***Quantitative Research Methods II***Teaching Assistant**Spring Semester, 2024**HKU***Statistical and Psychometric Analysis with R***Teaching Assistant**Fall Semester, 2023**HKU*

Factor Analysis*Teaching Assistant**Fall Semester, 2023**HKU***Introduction to factor analysis and structural equation modeling***Teaching Assistant**Spring Semester, 2023**HKU***Introduction to statistical methods***Teaching Assistant**Fall Semester, 2022**HKU***Methods of research and enquiry***Teaching Assistant**Spring Semester, 2022**HKU****Technical skills***

Programming Languages/ToolsPython, R, C++, Matlab, Mplus, SPSS, HTML, L^AT_EX,
RMarkdown***Language proficiencies***

Mandarin

Native

English

Fluent