

Zhang Yifan (Jenny)

The University of Hong Kong
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Education

Ph.D. in Psychometrics 2022-2026(expected)

Faculty of Education, The University of Hong Kong

Thesis title:

M.S. in Data Science 2020-2022

Department of Statistics & Department of Computer Science, The University of Hong Kong

Capstone project: Statistical Inference for Tensor Data

B.S. in Information and Computation Science 2016 - 2020

Department of Mathematics, Northeastern University, China

Thesis title: Analysis of Breast Cancer Prediction Based on Neural Network

Publication

Peer-Reviewed Journal

- **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.

Peer-Reviewed Conference Presentations

- **Yifan Zhang** & Jinsong Chen (2023, March). Accommodating and extending various models for special effects within the generalized partially confirmatory factor analysis framework. Coordinated paper presented at the National Council on Measurement in Education, Chicago, IL.
- **Yifan Zhang** & Jinsong Chen (2023, March). Improving recommender system with the partially confirmatory approach and psychological factors. Coordinated paper presented at the National Council on Measurement in Education, Chicago, IL.

Awards

Honorable Mention, COMAP(MCM) 2019

2nd Prize, China Undergraduate Mathematical Contest in Modeling 2018

1rd Prize, NEU Mathematical Modeling Contest for College Students 2018

Successful Participant, COMAP(MCM) 2018

3nd Prize, China Undergraduate Mathematical Contest in Modeling 2017

3st Prize, NEU Mathematical Modeling Contest for College Students 2017

Academic Scholarship, Northeastern University 2017/2018/2019

Research Project

Artificial intelligence training camp - machine learning 2019

Leadership Shenyang, China

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

Athletic Games Information Administration System

2019

Leadership

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

Working

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.

Technical skills

Programming Languages/Tools	Python, R, C++, Matlab, Mplus, SPSS, HTML, L ^A T _E X, RMarkdown
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Language proficiencies

Mandarin	Native
English	Fluent