Yingshi Huang

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EDUCATION

Beijing Normal University   Beijing, China

M.Ed. in Psychology   GPA: 3.9/4.0   Sep. 2020 – Jun. 2023 (expected)

Thesis (in preparation): *A Cognitive Diagnosis Model for Insufficient Responses Detection*

Advisor: Prof. Ping Chen

South China Normal University   Guangzhou, China

B.S. in Psychology   GPA:3.96/5.0   Sep. 2016 – Jun. 2020

Thesis (with honors): *Classification Accuracy and Consistency under Different Maximum Information Locations*

Advisor: Prof. Minqiang Zhang

PUBLICATIONS

(* correspondent author, + co-first author)

Yuan. L., **Huang, Y.**, Li, S., & Chen, P.* (accepted). Online calibration in multidimensional computerized adaptive testing with polytomously scored items. *Journal of Educational Measurement*. [2021 IF: 1.188]

Huang, Y., Ren, H., & Chen, P.* (2022). Item selection methods with exposure and time control for computerized classification test. *British Journal of Mathematical and Statistical Psychology*, *00*, 1–17. [doi] [2021 IF: 2.410]

Ren, H., **Huang, Y.**, & Chen, P.* (2022). Types, characteristics and application of termination rules in computerized classification testing (in Chinese). *Advances in Psychological Science*, *30*(5), 1168. [doi] [2021 IF: 2.877]

Lu, A.*+, Deng, R.+, **Huang, Y.+**, Song, T., Shen, Y., Fan, Z., & Zhang, J. (2022). The roles of mobile app perceived usefulness and perceived ease of use in app-based Chinese and English learning flow and satisfaction. *Education and Information Technologies*, 1-22. [doi] [2021 IF: 3.666]

Ni, Y., Tein, J. Y., Zhang, M.*, Zhen, F., Huang, F., **Huang, Y.**, ... & Mei, J. (2020). The need to belong: A parallel process latent growth curve model of late life negative affect and cognitive function. *Archives of gerontology and geriatrics*, *89*, 104049. [doi] [2021 IF: 4.163]

Huang, Y., Deng, R.+, Lu, A.*, Li, Y., & He, J. (under review). How user perception affects app-based second language learning flow and satisfaction: a mediated moderating model and network analysis.

CONFERENCE PRESENTATIONS

Huang, Y., Zhang, T., & Chen, P. (2022, July). *Exploring the structure of speed in cognitive diagnostic models*. International Meeting of the Psychometric Society, Bologna, Italy.

Zhang, T., **Huang, Y.**, & Xin, T. (2022, July). *An analysis of adaptive learning recommendation based on reinforcement learning*. International Meeting of the Psychometric Society, Bologna, Italy.

Huang, Y., Ren, H., & Chen, P. (2022, April). *New item selection designs for computerized classification test*. National Council on Measurement in Education, San Diego, CA, Virtual Meeting.

Huang, Y., Ren, H., & Chen, P. (2021, October). *Stage adaptive and timed item selection methods for computerized classification test*. The 23rd National Academic Conference of Psychology, Inner Mongolia.

Ren, H., **Huang, Y.**, & Chen, P. (2021, October). *Who has the final say in computerized classification test: three types of termination rules*. The 23rd National Academic Conference of Psychology, Inner Mongolia.

Ni, Y., **Huang, Y.**, & Zhang, M. (2018, November). *Subtypes of longitudinal association between late life cognitive function and negative affect: a parallel progress growth mixture model*. The 21st National Academic Conference of Psychology, Beijing.

FUNDED GRANTS

2021 Independent Project (Grant No. BJZK-2020A2-20011). **PI**
Item Selection Methods for Computerized Classification Testing 2021 – 2022
Funded by Collaborative Innovation Center of Assessment for Basic Education Quality ~$1,000

2020 National Natural Science Foundation of China (Grant No. 32071092). **Participant**
Online Calibration in Computerized Adaptive Testing: New Challenges and Solutions 2021 – 2024
Funded by National Natural Science Foundation of China ~$90,000

2019 Extracurricular Research Project (Grant No. 19XLGA01). **PI**
High Quality of Teacher-Student Relationships Promotes Mathematics Achievement of Junior High
School Students: The Multiple Mediation Effect 2019 – 2020
Funded by South China Normal University ~$500

2018 Special Funds for Seed Breeding Program (Grant No. 18XLGA07). **CO-PI**
Second Language Learning through Mobile Devices: The Effect of Perceived Usefulness, Perceived Ease
of Use, and Flow Experience 2018 – 2019
Funded by South China Normal University ~$500

RESEARCH AND TEACHING EXPERIENCE

National Assessment Guangdong Sub-Center for Item Bank Construction Guangzhou, China
Research Assistant Sep. 2017 – Jun. 2020
Prof. Minqiang Zhang's lab studies the validity of new Verbal and Mathematics item formats, score
reports system, and test equating in China's College Entrance Examination
- Contributed to revising the Test Quality Analysis Report (Mathematics) of China's College Entrance Examination
- Designed a study on how students' mathematics performance is affected by the quality of the teacher-student relationship, analyzed data from 3,997 students, and led a fund grant
- Assisted with the development of questionnaires for the Police Office in Heyuan and helped with writing the survey report
- Completed an honors thesis and assisted in supervising five undergraduates

Guangdong Key Laboratory of Mental Health and Cognitive Science   Guangzhou, China
Research Assistant   Oct. 2018 – May. 2019
Prof. Aitao Lu's lab studies the mechanism of language acquisition and how human brains execute
    language processing
- Designed and conducted studies investigating app-based second-language learning, especially for Chinese and English learners
- Collected 786 questionnaires and analyzed the data with latent profile analysis, hierarchical regression, structure equation model, and network analysis
- Co-project leader for a fund grant and a challenge cup project (Awarded a second prize), completed two papers with one published and one under review

Beijing Normal University   Beijing, China
Teaching Assistant   Sep. 2021 – Jan. 2022
Adaptive testing and diagnostic adaptive assessment (graduate course; Instructor: Prof. Ping Chen)
- Presented two lectures introducing R language
- Held weekly office hours and provided instant feedback for students' presentations
- Graded assigned homework and the final project

Beijing Normal University   Beijing, China
Teaching Assistant   Feb. 2021 – Jun. 2021
Think and act like a psychometrician (undergraduate course; Instructor: Prof. Ping Chen)
- Assisted in the development of the curriculum and the assignments
- Held weekly office hours and graded assigned homework
- Provided assistance with statistics and Visual Basic programming

COMPUTER AND LANGUAGE SKILLS

Analytical: Proficient in R, M*plus*, SPSS, HLM, latentGOLD, jamovi; Capable of Python and Conquest.
Languages: Chinese (native), English (fluent).

SELECTED AWARDS AND HONORS

First-class Academic Scholarship, Beijing Normal University   2021
Second Prize for Excellent Scientific Writing, South China Normal University   2019
Second-class Comprehensive Scholarship, South China Normal University   2018
Excellent New Students Award (Top 3%), South China Normal University   2016

ADDITIONAL EXPERIENCE

Internship: Worked as a psychology teacher in Shenzhen Hongling Middle School, organized mental health assessment for 696 students, offered 25 courses, and provided psychological counselling to 36 students (Awarded as Excellent Team Leader, 2019).
Volunteer Experience: Devoted to supporting education in Wanzi Primary School of Meizhou, a remote county in southeast China (Awarded as Advanced Individual, 2017).
Extracurricular Activities: The Business Pioneering Camp (Vice Chairman, 2018 – 2019); Campus Ambassador for UC Browser of Alibaba Group (2017 – 2018).