ZHIHAN GUO

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EDUCATION

Sun Yat-sen University | Double First Class University, Project 985 & 211   Guangzhou, China

M.S. in Psychology   Aug 2018 – Jun 2021

- GPA: 3.84/4.00
- Awards: Outstanding Graduate (Top 10%), First Prize Scholarship of Outstanding Students

B.S. in Applied Psychology   Aug 2014 – Jun 2018

- GPA: 3.84/4.00, Ranking: 4/61
- Awards: Outstanding Graduate (Top 10%), First Prize Scholarship of Outstanding Students

RESEARCH EXPERIENCES

Note. [x] refers to the item in the publication list.

Infinite Brain Technology   May 2022 – present

- Research Topic: Gamified Cognitive Assessment and Training.[9,10,11,12]

Prof. Xiang Wu's Lab, Sun Yat-sen University   Jun 2019 – Jun 2021

- Research Topic: Cognitive Neuroscience[1,6], Temporal Processing [2]

Prof. Jinsong Chen's Lab, Sun Yat-sen University   Sept 2017 – Jun 2019

- Research Topic: Latent Variable Modeling [4,8], Psychometrics [5]

Prof. Qi Wang's Lab, Sun Yat-sen University   Jun 2016 – Jun 2018

- Research Topic: Cognition [3]

PUBLICATIONS

Journal Articles ([+] equal contribution, [*] correspondent author)

1. Zhou, P., Wu, Q., Zhan, L., **Guo, Z.**, Wang, C., Wang, S., ... & Wu, X.[*] (2023). Alpha peak activity in resting-state EEG is associated with depressive score. *Frontiers in Neuroscience, 17,* 1057908. [doi]

2. Zhan, L., Huang, Y., **Guo, Z.**, Yang, J., Gu, L., Zhong, S., & Wu, X.[*] (2022). Visual over auditory superiority in sensorimotor timing under optimized condition. *Frontiers in Psychology, 13,* 1048943.[doi]

3. **Guo, Z.**, Niu, M., & Wang, Q.[*] (2021). Target familiarity and visual working memory do not influence familiarity effect in visual search. *Scientific Reports, 11*(1), 7560. [doi]

4. Chen, J.[*], **Guo, Z.**, Zhang, L., & Pan, J.[*] (2021). A partially confirmatory approach to scale development with the Bayesian Lasso. *Psychological Methods, 26*(2), 210. [doi]

5. **Guo, Z.**, & Chen, J.[*] (2019). Teaching evaluation under the view of modern validity: reflection and suggestions [Chinese]. *Higher Education Exploration, 3,* 11-15. [doi]

In Prepration

6. Sui, L.[+], Zhan, L.[+], **Guo, Z.**[+] , Wang, C., Huang, Y.[*], Wu, X.[*]. Gamma synchronization in the primary auditory cortex precedes predicted event onsets in rhythmic temporal anticipation – neural evidence from intracranial EEG recording.

Conference Presentations (poster presenter, <u>talk presenter</u>)

7. <u>Wang, J.</u>, **Guo, Z.**, Huang, J., Zhou, H. & Pan, J. (2019). *The Mechanism of Gender Differences in Attitude towards Legal Abortion: Indirect Effects of Sexual Permissiveness Attitudes and Gender Stereotypes.* The 22nd National Academic Conference of Psychology, 18-20 Oct, Hangzhou. [abstract]

8. <u>**Guo, Z.**</u>, Chen, J., & Tu., D. (2018). *Analysis of Raven's Advanced Progressive Matrices from a Cognitive Diagnosis Modeling Framework.* The 13th Cross-Straits Conference on Educational and Psychological Testing, 22-25 Oct, Taiwan.[slides]

Patents

9. Fu, Y., Wu, S., **Guo, Z.**, Hu, J., Xiong, X. Method, Apparatus, Electronic Device, and Storage Medium for Features Normalization. China Patent: 2023111668699.

10. Fu, Y., Wu, S., Feng, S., Xiong, X., **Guo, Z.**, Method, Apparatus, Electronic Device, and Storage Medium for Training Program Selection. China Patent: 2023115260049.

11. Fu, Y., Wu, S., **Guo, Z.**, Xiong, X., Yang, Z. Method, Apparatus, Electronic Device, and Storage Medium for ADHD Assessment Analysis. China Patent: 2023114651007 (under review).

12. Fu, Y., Wu, S., Xiong, X.,**Guo, Z.** Yu, Y. Method, Apparatus, and Medium for Capability Assessment. China Patent: 2023111672020 (under review).

PROFESSIONAL EXPERIENCES

Teaching Assistant

- Educational Measurement, Sun Yat-sen University   2019, 2020
- Special Topics on Psychometrics (graduate level), Sun Yat-sen University   2018

Ad Hoc Reviewer

- Psychological Methods

WORK EXPERIENCES

Infinite Brain Technology   May 2022 – present

- Data Mining Engineer, Beijing, China

Meituan   Jul 2021 – Apr 2022

- Human Resource, Beijing, China

SKILLS & INTERESTS

Data Science & Programming: Python, R, MATLAB, MySQL, Mplus, Git
Languages: Chinese (Native), English
Interests: Drums, Workout, Stand-up Comedy