Ziqian WEI

Tel: +86 18679651087, +852 55323213

Email: weiziqianpsych@outlook.com

Address: Room E-LP1-02 No.6, The Education University of Hong Kong,
10 Lo Ping Road, Tai Po, New Territories, Hong Kong SAR, China

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EDUCATION

South China Normal University (SCNU) | Master of Education   *Sep 2019 - Jun 2022*
- ○ Majored in Basic Psychology
- ○ GPA: 3.54/4.00
- ○ Research filed: reading and learning, supervisor: Assoc. Prof. Xuqian Chen

Jiangxi Normal University | Bachelor of Science   *Sep 2015 - Jun 2019*
- ○ Majored in Psychology
- ○ GPA: 3.33/4.00 (four years), 3.48/4.00 (recent two years)

WORK EXPERIENCE

The Education University of Hong Kong (EdUHK) | Research assistant   *Jan 2023 - now*
- ○ Working on Prof. Dr. Phil Duo Liu's laboratory at the Faculty of Education and Human Development

Tsinghua University (TU) | Research assistant   *Jul - Dec 2022*
- ○ Worked on Prof. Dr. Runsen Chen's laboratory at the Vanke School of Public Health

South China Normal University | Teaching assistant   *Mar - Jun 2022*
- ○ Worked as a TA for three undergraduate modules: *Principles and Applications of Psycho--metrics*, *Psychological Statistics*, and *Statistical Software Applications*

RESEARCH EXPERIENCE

1. Reading Comprehension Studies

Conceptual interests and reading comprehension | co-researcher, SCNU   *Mar 2023 - now*
- ○ Leading the project, supervised by Prof. Xuqian Chen
- ○ This research aims to cluster students based on their conceptual interests via latent pro--file analysis

External cues influence multiple document integration | MA thesis, SCNU   *2021 - 2022*
- ○ Conducted three online experiments to measure different aspects of integration
- ○ Converted participants' essays to networks via a self-made Python package
- ○ Found that the quantity and structure of integration can be enhanced by external cues

Conceptual structure of external representations affect learning| Graduate RA, SCNU *2020*
- ○ Contributed to data collection and statistical analysis

○ Found that concept maps led to better comprehension compared with outlines

Thinking patterns affect knowledge structure construction | Graduate RA, SCNU *2019*
○ Led the project, conducted an online experiment and recruited 120+ participants
○ Drafted a proposal and received funding from the School of Psychology, SCNU
○ Found that both literal art and science students perform good in extracting factual infor-
  -mation

2. Cognitive Development Studies

A transdiagnostic project of children's reading difficulties | RA, EdUHK *Feb 2023 - now*
○ This project aims to imply state-of-the-art approaches to find clusters of children with different causes of reading difficulties
○ Working on (a) using a psychological network approach to illustrate relationships among reading difficulty symptoms and multiple factors (e.g., psychological, environmental) in an existing dataset, and (b) preparing experimental materials to collect new data

3. Mental Health Studies

A psychotic-like experiences (PLEs) project | co-researcher, TU *Feb 2023 - now*
○ This project aims to explore the early emotional and cognitive characteristics in 9 to 10 years old children with different types of PLEs
○ Working on data cleaning of the ABCD dataset and statistical analysis

Relationships between digital self-harm and suicidality | co-researcher, TU *Feb 2023 - now*
○ Contributed to statistical analysis, drafting and proofreading
○ Found that people with both digital and physical self-harm history have a higher risk of suicidal thoughts and behaviours

Parents' marriage quality: Association with children's mental health | RA, TU *2022*
○ Contributed to statistical analysis and proofreading
○ Found that types of marriage quality predict children's mental health outcomes

Self-harm functions: A cross-sectional network analysis | RA, TU *2022*
○ Cooperated with a postdoc researcher to generate the research idea
○ Worked on data cleaning, statistical analysis, drafting and proofreading
○ Found that parental rearing style relates to self-harm functions and the ideation of seek-ing help from adults, and "parent" is an important bridge in the network

A digital intervention research using cognitive behaviour therapy | RA, TU *2022*
○ Contributed to intervention materials preparation and data collection
○ Found that a fortnight digital intervention significantly reduces emotional symptoms

PUBLICATIONS

1. Peer-reviewed journal articles († Co-first author * Corresponding author)

Qu, D†., **Wei, Z†**., Yu, J†., & Chen, R*. (manuscript in preparation). Relationships among parents' rearing style, self-harm function and help-seeking ideation in non-suicidal self-injury people: A cross-sectional network analysis. *Journal of Youth and Adolescence*. [SSCI]

Wei, Z., Zhang, Y., Yin, S., Clariana, R. B*., & Chen, X*. (not yet submitted). The effects of external reference and network-based feedback on multiple document integration. *British Journal of Educational Psychology*. [SSCI]

Qu, D†., Liu, D†., Cai, C†., Yu, J., Zhang, Q., Liu, K., Zhang, X., **Wei, Z.**, Wang, Y., Tan, J., Cui, Z., Zhang, X., & Chen, R*. (in review). Process Model of Emotion Regulation-Based Digital Intervention for Emotional Problems: A mixed methods feasibility study. *Behaviour Research and Therapy*. [SSCI] Preprint

Wei, Z. Zhang, Y., Clariana, R. B*., & Chen, X*. (revised and resubmitted). The effects of reading prompt and post-reading task on multiple document integration: Evidence from concept network analysis. *Educational Technology Research and Development*. [SSCI]

Chen, X., **Wei, Z.**, Li, Z., & Clariana, R. B*. (2022). The influence of the conceptual structure of external representations when relearning history content. *Educational Technology Research and Development*. [SSCI] PDF

Wei, Z., Chen, X*., & Clariana, R., B. (2022). Measures of knowledge structure in reading comprehension. *Journal of Psychological Science*, *45*(2), 306-315. [in Chinese] PDF

2. Conferences

The 24th National Academic Conference of Psychology (Nov 2022, China). Oral presentation.

SKILLS

Software: R (proficient), Python (proficient), MATLAB (good), SPSS (good), E-Prime (good), Mplus (basic), Microsoft Words, Excel & PowerPoint (proficient), LaTeX (good), EndNote (good), VS Code (basic), JASP (basic)

Statistics: ANOVA, latent models, linear and logistic regressions, linear mixed models, network analysis, et al.

Language: English (IELTS: 6.5), Chinese (native)

SELECTED HONOURS AND AWARDS

Scholarship for Graduates (Second- and Third-class), SCNU, 2019-2021
Scholarship for Undergraduates (Third-class), SCNU, 2019
The Innovative Research Foundation for Graduates, School of Psychology, SCNU, 2019

REFEREES

Assoc. Prof. Xuqian Chen (master's supervisor)
School of Psychology, South China Normal University
Email: chenxuqian@m.scnu.edu.cn
Research interest: language cognition and learning; concept structure in memory

Prof. Aitao Lu
School of Psychology, South China Normal University
Email: atlupsy@gmail.com
Research interest: cognitive process of language