Che Cheng

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Education

2017-	PHD CANDIDATE in Psychology, National Taiwan University
2019-2020	MS in Applied Mathematical Sciences (Mathematical Statistics), National Taiwan University
2011-2017	BS in Psychology, National Taiwan University
2012-2017	BS in Mathematics, National Taiwan University

Works

Cheng, C., Lay, K.-L., Hsu, Y.-F., Tsai, Y.-M. (2021). Can Likert scales predict choices? Testing the congruence between using Likert scale and comparative judgment on measuring attribution. Methods in Psychology, 5, 100081. https://doi.org/10.1016/j.metip.2021.100081.

Cheng, C., Huang, Y.-J., Hsu, Y.-F. (in press). Incorporating response confidence into adaptive methods for threshold estimation. Chinese Journal of Psychology.

Chen, L.-T., Ding, Q.-W., Hsieh, C.-Y., Chen, Y.-K., Chiang, Y.-S., Huang, S.-C., Yang, T.-R., Cheng, C., Liou, P.-Y., Peng, C.-Y. J. (2020). Effect size reporting practices in Taiwanese psychology and education journals: Review and beyond. Chinese Journal of Psychology, 62(4), 553–592.

Cheng, C., Lay K.-L., Lin C.-Y., Li Y.-Y., Chang T.-C., Yang L.-J., Chen H.-T., Wang Y.-J. (2019, August 29-31) Differential SEL effect for children with diverse initial states: II. The Communication-Skill Curriculum designed by Taiwan Happiness Village Association [Poster presentation]. 7th ENSEC, Budapest, Hungary. http://ensec2019.elte.hu

Research Interests

- Theoretical investigations and applications of random utility models
- Longitudinal data analysis methods
- Achievement related cognition and behaviors such as achievement goals and academic attributions

Preparation

- BS in Mathematics and psychology, and MA in Mathematical Statistics.
- Four to five years of experience of R and SAS programming

Goals: To explore the possibilities of jointly modeling the Likert scale data and comparative judgment data

The classical psychometric approach tends to adopt Likert scales to measure psychological constructs. In our 2021 research, we have found that inferring psychological preference from LS is not without risk. Jointly modeling the Likert scale data and comparative judgment data would fill the gap between two measurement. We have tried the random utility model to jointly model these two measurements. Other models might also fit well and provide valuable insight into the incongruence between Likert scale and comparative judgment data. Exploring these possibilities would be the main goal.