Xiaoxue LENG

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EDUCATION

School of Psychology, Central China Normal University (CCNU)   **Wuhan, China**
- M.Ed. in Psychology   Sept. 2021-Jun. 2024
- Weighted Score: 90.80/100
- **Thesis:** *The effects of viewing perspective in learning from instructional videos which demonstrate a step-by-step procedure*

School of Psychology, Central China Normal University   **Wuhan, China**
- B.S. in Psychology with Honors   Sept. 2017-Jun. 2021
- Weighted Score: 87.24/100

PEER-REVIEWED PUBLICATIONS

Journal Article in English

1. **Leng, X.**, Zhu, W., Mayer, R. E., & Wang, F. (2024). The viewing perspective effect in learning from instructional videos: A replication and neuroimaging extension. *Learning and Instruction*, *94*, 102004. https://doi.org/10.1016/j.learninstruc.2024.102004

2. Li, W., Kuang, Z., **Leng, X.**, Mayer, R. E., & Wang, F. (2024). Role of gesturing onscreen instructors in video lectures: A set of three-level meta-analyses on the embodiment effect. *Educational Psychology Review*, *36*(67). https://doi.org/10.1007/s10648-024-09910-0

3. **Leng, X.**, Wang, F., Mayer, R. E., & Zhao, T. (2024). How to train students to engage in text-picture integration for multimedia lessons. *British Journal of Educational Technology, 55*(3), 1167–1188. https://doi.org/10.1111/bjet.13419

4. Kuang, Z., Jiang, X., Shubeck, K., **Leng, X.**, Li, Y., Zhang, R., Wang, Z., Peng, S., & Hu, X. (2024). The effect of different question types on vicarious learning. *Educational Psychology*, *44*(2), 208-226. https://doi.org/10.1080/01443410.2024.2325589

5. **Leng, X.**, Wang, F., & Mayer, R. E. (2024). Is student learning from a video lecture affected by whether the instructor wears a mask? *Applied Cognitive Psychology, 38*(1), e4169. https://doi.org/10.1002/acp.4169

Journal Article in Chinese

1. Wang, F., Huang, Y., Zhang, Y., Zhu, W., & **Leng, X.** (2024). Prompts affect learning-by-teaching process and learning outcome in multimedia learning. *Acta Psychologica Sinica, 56*(4), 469-481. https://doi.org/10.3724/SP.J.1041.2024.00469

2. Wang, F., Huang, Y., **Leng, X.**, & Kuang, Z. (2023). Learning-by-teaching promotes the effect of multimedia learning: The impact of self-generated drawing. *Journal of Soochow University (Educational Science Edition),* (3), 97–106. https://doi.org/10.19563/j.cnki.sdjk.2023.03.008

3. Cheng, M., Kuang, Z., **Leng, X.**, Zhang, Y., & Wang, F. (2023). Can learning by non-interactive teaching promote learning? *Advances in Psychological Science, 31*(5), 769–782. https://doi.org/10.3724/SP.J.1042.2023.00769

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4. **Leng, X.**, Cheng, M., & Wang, F. (2022). The effects of testing and feedback on segmentation principle in video learning. *Studies of Psychology and Behavior, 20*(01), 52–58. https://doi.org/10.12139/j.1672-0628.2022.01.008

CONFERENCE & PRESENTATIONS

1. Xiong, F., Ma, A., & **Leng, X.** (2023, November). *Understanding individual differences in reading Chinese traditional poetry using hidden Markov Models*. The International Conference on Intelligent Education and Intelligent Research 2023, Wuhan, Hubei, China.
2. **Leng, X.**, Kuang, Z., Wang, F., & Qiao, P. (2023, October). *The effects of tracing gesture on learning outcomes and cognitive load: Evidence from two three-level meta-analyses*. The 25th National Academic Conference of Psychology, Chengdu, Sichuan, China.
3. Zhu, W., **Leng, X.**, & Wang, F. (2023, October). *Can the presence of teacher and student promote online learning?*. The 25th National Academic Conference of Psychology, Chengdu, Sichuan, China.
4. Huang, Y., Zhang, Y., Zhu, W., **Leng, X.**, & Wang, F. (2023, October). *Prompts affect learning-by-teaching process and learning outcome in multimedia learning*. The 25th National Academic Conference of Psychology, Chengdu, Sichuan, China.
5. **Leng, X.**, Wang, F., Kuang, Z., & Zhao, T. (2023, September). *Eye movement modelling examples as cues to guide attention and improve learning in short or long animations*. The 9th China International Conference on Eye Movements, CICEM 2023, Tianjin, China.
6. **Leng, X.**, Zhao, T., & Wang, F. (2022, November). *The effects of eye movement modeling examples and verbal instruction in video learning*. The 24th National Academic Conference of Psychology, Xinxiang, Henan, China.
7. **Leng, X.**, Wang, F., & Zhu, W. (2022, November). *Do instructors' wearing masks affect students' learning?*. The 24th National Academic Conference of Psychology, Xinxiang, Henan, China.
8. Cheng, M., Wang, F., & **Leng, X.** (2022, November). *Audience size on learning-by-teaching: Clarifying the social presence hypothesis*. The 24th National Academic Conference of Psychology, Xinxiang, Henan, China.
9. Huang, Y., **Leng, X.**, Kuang, Z., & Wang, F. (2022, November). *Learning-by-teaching promotes the effect of multimedia learning: The impact of self-generated drawing*. The 24th National Academic Conference of Psychology, Xinxiang, Henan, China.
10. **Leng, X.**, Wang, F., & Cheng, M. (2021, October). *Incorporated self-test and feedback enhances learners' learning outcomes during the learning with segmentation*. The 23th National Academic Conference of Psychology, Hohhot, Inner Mongolia, China.

MANUSCRIPTS UNDER REVIEW OR IN REVISION

1. **Second Author.** Revised and resubmitted to *Journal of Computer Assisted Learning*.
2. **Second Author**. Revised and resubmitted to *Learning and Instruction*.
3. **Third Author.** Under review at *Journal of Educational Psychology*.

RESEARCH EXPERIENCE

Learning and Child Development Lab, CCNU　　　　　　　　　　**Wuhan, China**
Research Assistant (PI: Dr. Fuxing Wang)　　　　　　　　　　Sept. 2021-Jun. 2024

Lab of Auditory Speech and Music, Institute of Psychology, CAS　　　　**Beijing, China**
Research Assistant (PI: Dr. Yi Du)　　　　　　　　　　Dec. 2018-Feb. 2019

TEACHING EXPERIENCE

Laboratory Center, School of Psychology, CCNU　　　　　　　**Wuhan, China**
Instructor (Safety & Technique Use)　　　　　　　　Dec. 2022 & Dec. 2023

School of Psychology, CCNU　　　　　　　　　　**Wuhan, China**
Teaching Assistant (Introduction to Psychology I and II)　　　　Sept. 2022-Jul. 2023

HONORS & AWARDS

Second Class Scholarship, CCNU	2023
Outstanding Graduate Scholarship (third prize), CCNU	2022
First Class Scholarship, CCNU	2021 & 2022
Outstanding Graduates Award, CCNU	2021

GRANTS

National Undergraduate Student Research Training Program (10000 RMB, Co-PI)	2019
National Undergraduate Student Research Training Program (2000 RMB, PI)	2018

SKILLS

Programming
- Python:　Handling with Big Data; Data Cleaning; Data Analysis; Model Fitting; Plotting; Stimuli Presentation (PsychoPy, Vizard)
- R:　Data Analysis; Model Fitting; Plotting
- Matlab:　Stimuli Presentation (PsychoToolbox); Data Analysis
- E-prime, SPSS, JASP, Mplus, etc.

Techniques
- Eye tracking: Data Collection (SMI RED 250, EyeLink 1000, HTC VIVE pro); Data Analysis
- EEG/ERP: Data Collection (Neuroscan); Data Analysis (EEGLAB)
- fNIRS: Data Collection (NIRScoutX); Data Analysis (nirsLAB; matlab)

Languages
- Mandarin Chinese (native language)
- English (TOEFL iBT: 106; Reading: 29, Listening: 26, Speaking: 23, Writing: 28)