Yinuo Liu

Undergraduate Student in Psychology

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RESEARCH EXPERIENCE

Lateralization of Language Brain Networks: A Graph Theory Study
August 2021 – Present | Hangzhou, China

- ➔ Use graph theory to examine substantial lateralization in the topological properties of language brain networks and how they relate to behaviors
- ➔ Poster presentation at the OHBM 2022 Annual Meeting

Interpretable and Table-structured Abstractive Text Summarization
September 2021 – December 2021 | Hangzhou, China

- ➔ Develop a text summarization algorithm with higher interpretability and more controllable output based on structured tables

The Neural Mechanism Underlying Content-Context Binding in Visual Working Memory   **June 2021 – Present | Hangzhou, China**

- ➔ Explore a more effective behavioral paradigm to distinguish misbinding errors and informed guesses in the delayed recall paradigm by combining model fitting and individual reporting
- ➔ Analyze EEG signals to elucidate the neural activities closely related to feature binding in visual working memory

Spatial and Non-spatial Working Memory Recall Are Substantially Different: an Exploration Based on the Feature-binding Theory
May 2020 – February 2021 | Hangzhou, China

- ➔ Use the three-factor mixed response model (Bays, 2009) and the 2D recall model (Grogan et al., 2019) to fit behavioral responses
- ➔ Prove that the guessing rate is much lower in location recall tasks

A Simulation-Based Analysis of Fungi   **February 2021 | Hangzhou, China**

- ➔ Use the differential equation model and the cellular automata to simulate the interaction of different types of fungi
- ➔ Meritorious Winner in the Mathematical Contest in Modeling (MCM/ICM) 2021

INTERNATIONAL EXCHANGE EXPERIENCE

Deep Learning - Neuromatch Academy 2021 | PYTHON
- ➔ Project: Modeling Human Visual Process with Noisy Inputs

Computational Neuroscience - Neuromatch Academy 2020 | R
- ➔ Project: The Learning Mechanism of Foraging in the Perspective of Reinforcement Learning

ORGANIZATION EXPERIENCE

the Art department of Student Union of Zhejiang University | Member

- ➔ Organized and planned five activities such as New Year's Carnival Night and Top Ten Singers Competition, with more than 50,000 participants

Yinuo Yixing Public Welfare Service Team | Leader

- ➔ Organized four online exchange activities and two offline visits in Jiangxi province

EDUCATION

ZHEJIANG UNIVERSITY
DEPARTMENT OF PSYCHOLOGY AND BEHAVIORAL SCIENCES | CHU KOCHEN HONORS COLLEGE
Sep. 2019 - Present | Hangzhou, China
GPA: 3.96 / 4.0 (92.4 / 100)
Relevant Courses:
- Cognitive Psychology (100)
- Psycholinguistics (97)
- Experimental Design and Psychological Statistics (97)
- Artificial Intelligence and Machine Learning (96)

HONORS & AWARDS

- Chinese National Scholarship
- Zhejiang University Scholarship - First Prize
- First-Class Scholarship for Elite Students in Basic Sciences
- Scholarship for Leading Achievements

SKILLS

PROGRAMMING

Experienced:
MATLAB • Python • C

Familiar:
Markdown • LaTex • R

Understand:
HTML • VB

SOFTWARE/TOOLBOX

Experienced:
SPSS • MS Office • EEGLAB • Psychotoolbox

Familiar:
Photoshop • Audition • JASP • Signal Processing Toolbox

PERSONAL HOBBIES

- long-distance running
- writing (personal Wechat official account)
- play the piano & the guitar