Baorian

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EDUCATION

Beijing Language and Culture University   Sep 2020 - Jun 2023

Language Intelligence and Technology Master   Beijing

East China Normal University   Aug 2015 - May 2019

English Bachelor   Shanghai

RESEARCH INTERESTS

computational linguistics, second language comprehensibility, and psycholinguistics.

My research interest lies in how defective speech is processed by human. To explore this topic, I studied the relationship between computational linguistics, second language (L2) speech, and psycholinguistic data (listener-based behavioral experiments). Recently, I adopted a mutual-information-based functional load model to quantify the information loss of L2 Chinese speech. Then I explored the relation between information loss and comprehensibility.

WORK EXPERIENCE

ByteDance   Mar 2022 - Jul 2022

English TTS Data Linguist AI-Lab   Beijing

DataBaker   Oct 2021 - Dec 2021

Annotator   Beijing

Zhiyuan Education   Jan 2020 - May 2020

English teacher   Inner Mongolia

Publications

Rian Bao, Linkai Peng, Yuchen Yan, Jinsong Zhang. "An Exploratory Study for Quantifying the Contextual Information for Successful Chinese L2 Speech Comprehension." The 13th International Symposium on Chinese Spoken Language Processing (ISCSLP), Accepted, 2022.

Rian Bao, Linkai Peng, Yingming Gao, Jinsong Zhang. "The Contribution of Phonological and Fluency Factors to Chinese L2 Comprehensibility Ratings: A Case Study of Urdu-speaking Learners." The 13th International Symposium on Chinese Spoken Language Processing (ISCSLP), Accepted, 2022.

Rian Bao, Linkai Peng, Yingming Gao, and Jinsong Zhang. "The Importance of Lexical Tone for Sentence Understanding: Utilizing Functional Load Principle to Simulate Comprehension Process." 2022 International Conference on Asian Language Processing (IALP), Accepted, 2022.

Rian Bao, Linkai Peng, and Jinsong Zhang. "The Contributions of Initials and Finals to L2 Chinese Comprehensibility Based on Functional Load Principle." 2022 International Conference on Asian Language Processing (IALP), Accepted, 2022.

Rian Bao, Wenhan Yao, Yuqing Zhang, and Jinsong Zhang, "An Exploratory Study of Quantifying Comprehensibility and Intelligibility Based on Functional Load Model"(in Chinese), 2021 Conference of Chinese Phonetics Association (PCC), 2021.

Yin Bao, **Rian Bao**, "Contextual Vowel Nasalization in Mongolian." 2021 International Conference on Asian Language Processing (IALP), 2021.

SKILLS LIST

- Basic Python scripting
- Praat scripting
- Basic knowledge on Linux operating system
- Excellent English speaking and writing
- Native-level of Chinese Mandarin
- Native-level of Mongolian

HONORS & AWARDS

Merit Student of BLCU   2021

Best Student Paper Award of PCC 2021   2021

Outstanding Graduation Dissertation Award   2019