Chen, Nuo

+81 08085307193 pleviumtan@toki.waseda.jp
Github: pleviumtan

EDUCATION

Waseda University - Computer Science - Master 2021.04 - 2023.04

GPA: 3.38 / 4

Courses: Information Access Evaluation, Natural Language Processing, Cognitive Science Study, Applied Statistics

Research Focus: User-oriented Search Evaluation Measures, Search Interaction Behaviour

Peking University - Information Management and Information System - Bachelor 2016.09 - 2020.07

GPA: 3.63 / 4

Courses: Interactive Information Retrieval, Qualitative Data Analysis, Survey and Statistics Methods, The Technology of Textual Information Analysis, Introduction to Data Mining

Awards: "May 4th" Scholarship (2017), Award for Academic Excellents (2018)

PUBLICATIONS

- Nuo Chen, Fan Zhang, and Tetsuya Sakai. 2022. Constructing Better Evaluation Metrics by Incorporating the Anchoring Effect into the User Model. In Proceedings of the 45th International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR '22). Association for Computing Machinery, New York, NY, USA, 2709–2714.
- (Non-Refereed) Tetsuya Sakai, Sijie Tao, Zhumin Chu, Maria Maistro, Yujing Li, Nuo Chen, Nicola Ferro, Junjie Wang, Ian Soboroff, and Yiqun Liu: Overview of the NTCIR-16 We Want Web with CENTRE (WWW-4) Task, Proceedings of NTCIR-16, pp.234-245, 2022.
- Jun Wang, Xiaoyu Li, Enhua Bian, Linxu Wang, Shuran Liu, Nuo Chen. A Visualization-Assisted Reading System for a Neo-Confucian Canon. Digital Humanities Conference, 2020.

RESEARCH EXPERIENCE

Real Sakai Lab - Member (graduate student) 2021.04 - Present

My main research interest is search effectiveness evaluation. Existing evaluation measures treat users as rational decision-makers pursuing maximised utility, but people's decisions can be affected by cognitive biases and therefore be deviated from their rational decisions. I tried to redesign or develop evaluation measures by incorporating the factor of users' cognitive biases, like the anchoring effect, the reference dependence effect, etc. One of my work was accepted by SIGIR'22 and others are under review.

I am also interested in understanding how users interacting with search engine result pages (SERPs) through log analysis. For example, are the query terms different after a good query abandonment and a bad query abandonment?

PKU Digital Humanities Center - Member (undergraduate student) 2018.09 - 2020.07

In the year of 2019, I am involved in the project of building a system visualizing the New Confucian Canon. My main contribution was data visualisation, including cleaning up data in various forms and presenting them on webpage through libraries like d3.js and EChart.js. The work was accepted by DH2020. Website: https://syxa.pkudh.org/

OTHER EXPERIENCE

NTCIR16 WWW-4 - Task Organizer

I served as task organizer of the NTCIR16 WWW-4 task from 2021 to 2022. My work was to create topic for retrieval task and to assess relevance level for the pooled documents.