ZHAO, Sen

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EDUCATION BACKGROUND

Huazhong University of Science and Technology (HUST) *Sept 2020 – Jun 2024*
Major: Computer Science and Technology **GPA:** 3.80/4.00
Ph.D. of Engineering, Jun. 2024

Huazhong University of Science and Technology (HUST) *Sept 2016 – Jun 2020*
Major: Artificial Intelligence and Automatic **GPA:** 3.91/4.00
Bachelor of Engineering, Jun. 2020

PUBLICATION

Towards Hierarchical Policy Learning for Conversational Recommendation with Hypergraph-based Reinforcement Learning. First Author, IJCAI'2023 [CCF A]. [Full Paper]

- This paper proposes a Director-Actor Hierarchical Conversational Recommender to model various roles of different decision procedures and the mutual influence between them. Extensive experiments conducted on benchmark datasets demonstrate our proposed model outperforms the state-of-the-art methods by 2.5% to 9.8% in average turn.

Multi-view Hypergraph Contrastive Policy Learning for Conversational Recommendation. First Author, SIGIR'2023 [CCF A]. [Full Paper]

- This paper propose a Multi-view Hypergraph Contrastive Policy Learning framework to model dynamic user preferences with multiplex relations from three views. A cross-view contrastive learning module is further proposed to maintain the inherent characteristics and the correlations of user preferences from different views. Extensive experiments conducted on benchmark datasets demonstrate our proposed model outperforms the state-of-the-art methods by 5.2% to 8.7% in average turn.

Multi-view intent disentangle graph networks for bundle recommendation. [Full Paper] First Author, AAAI'2022 [CCF A]. [Full Paper]

- This paper propose a Multi-view Intent Disentangle Graph Network to disentangles the user's intents from two different perspective (global and local views) and captures user preference at the finer granularity. Extensive experiments conducted on two benchmark datasets demonstrate that MIDGN outperforms the state-of-the-art methods by over 10.7% and 26.8%, respectively.

Academic Activities

- Journal Reviewer: International Journal of Data Science and Analytics'23
- Conference Reviewer: EMNLP'22

AWARDS &ACTIVITIES

- **Shenzhen Stock Exchange Scholarship**, 2022.
- **Excellent Graduate Award**, HUST, 2020.
- **Two**-time winner, National Encouragement Scholarship, 2017&2018
- **Merit Student**, HUST, 2017

SKILLS AND QUALFICATIONS

- English skills: Toffel 103/120, GRE 330/340
- python(5yrs), Latex(5yrs) ; C, C++(3yrs), Linux(3yrs), Matlab(2yrs)