

Research Interests

Fine-grained Sentiment Analysis, mainly includes Aspect-based Sentiment Analysis, Target-Oriented Opinion Words Extraction, Target-Oriented Multimodal Sentiment Classification, Few-shot Text classification and Multimodal Sentiment Analysis.

Experiences

2020.04–2020.11 **Tencent WeChat, Search Application Department.**
Research Intern Query intention Classification in WeChat search module.

Education

2021.09–Present **Nanjing University (NJU).**
Ph.D. School of Artificial Intelligence.
Supervisor: [Xinyu Dai](#).

2018.09–2021.06 **Nanjing University (NJU).**
M.Sc. Department of Computer Science and Technology.
Supervisor: [Xinyu Dai](#).
Thesis: Fine-grained Text Classification.

2014.09–2018.06 **Nanjing Normal University (NJNU).**
B.Sc. School of Computer and Electronic Information/School of Artificial Intelligence.
Ranking: 1/54
Thesis: Research on the Relation Extraction in Legal Case Documents.

Research Publications

(* indicates equal contribution)

Finding of EMNLP 2022 **Label-Driven Denoising Framework for Multi-Label Few-Shot Aspect Category Detection.**
Fei Zhao*, Yuchen Shen*, Zhen Wu, Xinyu Dai
Findings of Empirical Methods in Natural Language Processing, 2022.

COLING 2022 **Learning from Adjective-Noun Pairs: A Knowledge-enhanced Framework for Target-Oriented Multimodal Sentiment Classification.**
Fei Zhao, Zhen Wu, Siyu Long, Xinyu Dai, Shujian Huang, Jiajun Chen
The 29th International Conference on Computational Linguistics. (COLING 2022),
(CORE2020 Rank: CCF B).

ACMMM 2022 **Learning from Different text-image Pairs: A Relation-enhanced Graph Convolutional Network for Multimodal NER.**
Fei Zhao, Chunhui Li, Zhen Wu, Shangyu Xing, Xinyu Dai
The 30th ACM International Conference on Multimedia. (ACMMM 2022),
(CORE2020 Rank: CCF A).

COLING 2020 **Attention Transfer Network for Aspect-level Sentiment Classification.**
Oral Fei Zhao, Zhen Wu, Xinyu Dai
The 28th International Conference on Computational Linguistics. (COLING 2020),
(CORE2020 Rank: CCF B).

AAAI 2020 Oral **Latent Opinions Transfer Network for Target-Oriented Opinion Words Extraction.**
Zhen Wu*, Fei Zhao*, Xinyu Dai, Shujian Huang, Jiajun Chen
Thirty-Fourth AAAI Conference on Artificial Intelligence. (AAAI 2020),
(CORE2020 Rank: CCF A).

Finding of EMNLP 2020 **Grid Tagging Scheme for Aspect-oriented Fine-grained Opinion Extraction.**
Zhen Wu, Chengcan Ying, Fei Zhao, Xinyu Dai, Rui Xia
Findings of Empirical Methods in Natural Language Processing, 2020.

Awards

2017 National Scholarship
2018 *Outstanding Graduate* of Nanjing Normal University.
2018 *Outstanding Undergraduation Thesis* of Nanjing Normal University.
2020 Nanjing University Huawei Scholarship.
2021 *Outstanding Graduate* of Nanjing University.

Computer Skills

Programming Tensorflow and PyTorch, please see Github for details
Language English (CET-6)

Academic Activities

PC Member AAAI 2023, EMNLP 2022, AAAI 2022, AAAI 2021, ACL 2021, ACL Rolling Review