

研究领域

细粒度情感分析，主要包括方面级情感分析、面向目标的情感词抽取、面向方面的细粒度观点抽取、多模态细粒度情感分析和弱监督多方面情感分析。

实习经历

2020.04–2020.11 腾讯微信事业群，搜索应用部.
科研实习 实习方向: 微信搜一搜模块中的用户意图识别

教育背景

2021.09–现在 南京大学，人工智能学院.
博士 科研导师: [戴新宇教授](#)

2018.09–2021.06 南京大学，计算机科学与技术系.
硕士 排名: 中期考核优秀
科研导师: [戴新宇教授](#)
毕设论文: 《细粒度文本分类研究》

2014.09–2018.06 南京师范大学，计算机与电子信息学院/人工智能学院.
本科 排名: 1/54
毕设论文: 《法律案例文档中的实体关系抽取实现研究》，校级优秀毕设

论文发表

(* indicates equal contribution)

- TASLP 2023 **Label-correction Capsule Network for Hierarchical Text Classification.**
赵飞, 吴震, 何亮, 戴新宇
IEEE Transactions on Audio, Speech and Language Processing (TASLP 2023),
- ACL 2023 **Measuring Your ASTE Models in The Wild: A Diversified Multi-domain Dataset For Aspect Sentiment Triplet Extraction.**
徐婷, 杨慧云, 吴震, 陈家哲, 赵飞, 戴新宇
The 61st Annual Meeting of the Association for Computational Linguistics (Findings of ACL 2023),
- EMNLP 2022 **Label-Driven Denoising Framework for Multi-Label Few-Shot Aspect Category Detection.**
赵飞 *, 沈禹辰 *, 吴震, 戴新宇
Conference on Empirical Methods in Natural Language Processing (Findings of EMNLP 2022),
- COLING 2022 **Learning from Adjective-Noun Pairs: A Knowledge-enhanced Framework for Target-Oriented Multimodal Sentiment Classification.**
赵飞, 吴震, 龙思宇, 戴新宇, 黄书剑, 陈家骏
The 29th International Conference on Computational Linguistics (COLING 2022),

- ACM MM 2022 **Learning from Different text-image Pairs: A Relation-enhanced Graph Convolutional Network for Multimodal NER.**
赵飞, 李春晖, 吴震, 刑尚禹, 戴新宇
The 30th ACM International Conference on Multimedia. (**ACM MM 2022**),
- COLING 2020 **Attention Transfer Network for Aspect-level Sentiment Classification.**
Oral 赵飞 *, 吴震 *, 戴新宇
The 28th International Conference on Computational Linguistics (**COLING 2020**),
- AAAI 2020 **Latent Opinions Transfer Network for Target-Oriented Opinion Words Extraction.**
Oral 吴震 *, 赵飞 *, 戴新宇, 黄书剑, 陈家骏
Thirty-Fourth AAAI Conference on Artificial Intelligence (**AAAI'20**),
- EMNLP 2020 **Grid Tagging Scheme for Aspect-oriented Fine-grained Opinion Extraction.**
吴震, 应澄桢, 赵飞, 范志方, 戴新宇, 夏睿
Conference on Empirical Methods in Natural Language Processing (**Findings of EMNLP 2020**),

获奖情况

- 2017 国家奖学金
- 2018 南京师范大学优秀毕业生
- 2018 南京师范大学优秀毕业论文
- 2020 南京大学华为奖学金
- 2021 南京大学优秀毕业生
- 2022 南京大学华为奖学金

技术能力

- 语言 英语 (CET-6)
- 编程 Tensorflow 和 PyTorch, 主要使用 Tensorflow, 详情请见 Github

学术服务

- PC Member AAAI 2022, AAAI 2021, AAAI 2023, EMNLP 2022, ACL 2021, ACL 2023, ACM MM 2023, ACL Rolling Review

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)

- TASLP 2023 **Label-correction Capsule Network for Hierarchical Text Classification.**
Fei Zhao, Zhen Wu, Liang He, Xinyu Dai
IEEE Transactions on Audio, Speech and Language Processing. (TASLP 2023)
- ACL 2023 **Measuring Your ASTE Models in The Wild: A Diversified Multi-domain Dataset For Aspect Sentiment Triplet Extraction.**
Ting Xu, Huiyun Yang, Zhen Wu, Jiaze Chen, Fei Zhao and Xinyu Dai
The 61st Annual Meeting of the Association for Computational Linguistics (Findings of ACL 2023),
- 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. (EMNLP-2022 Findings)
- 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),

- ACM MM 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. (ACM MM 2022),
- 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),
- AAAI 2020 **Latent Opinions Transfer Network for Target-Oriented Opinion Words Extraction.**
Oral Zhen Wu*, Fei Zhao*, Xinyu Dai, Shujian Huang, Jiajun Chen
Thirty-Fourth AAAI Conference on Artificial Intelligence. (AAAI 2020),
- 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. (EMNLP-2020 Findings)

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.
- 2022 Nanjing University Huawei Scholarship.

Computer Skills

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

Academic Activities

- PC Member AAAI 2022, AAAI 2021, AAAI 2023, EMNLP 2022, ACL 2021, ACL 2023, ACM MM 2023, ACL Rolling Review