

Teng Huang

PH.D CANDIDATE

Southeast University, Nanjing 210096, China

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Education

Southeast University

PH.D CANDIDATE

- School of Computer Science and Engineering
- Advisor: Prof. Min-Ling ZHANG

Nanjing, China

Sept. 2022 - present

Southeast University

B.Sc.

- School of Chien-Shiung Wu (*with Honours*)

Nanjing, China

Sept. 2018 - June. 2022

University of California, Berkeley

SEMESTER EXCHANGE

- Department of Electrical Engineering and Computer Sciences

Berkeley, USA

Aug. 2019 - Dec. 2019

Research Interests

Multi-Dimensional Classification: To precisely categorize instances associated with multiple heterogeneous class spaces which characterize the rich semantics of objects along multiple dimensions.

Multi-Label Classification: To derive classification models from instances associated with multiple class labels simultaneously which usually pertain to the same semantic space.

Publications

PUBLISHED

Codes and papers are available at <https://palm.seu.edu.cn/zhangml/>

T. Huang, B.-B. Jia, M.-L. Zhang. Towards escaping from class dependency modeling for multi-dimensional classification. In: Proceedings of the 42nd International Conference on Machine Learning (ICML'25), Vancouver, Canada, 2025, in press.

T. Huang, B.-B. Jia, M.-L. Zhang. Deep multi-dimensional classification with pairwise dimension-specific features. In: Proceedings of the 33rd International Joint Conference on Artificial Intelligence (IJCAI'24), Jeju, South Korea, 2024, 4183-4191.

T. Huang, B.-B. Jia, M.-L. Zhang. Progressive label propagation for semi-supervised multi-dimensional classification. In: Proceedings of the 32nd International Joint Conference on Artificial Intelligence (IJCAI'23), Macau, China, 2023, 3821-3829.

IN REVIEW

T. Huang, B.-B. Jia, J.-X. Mao, M.-L. Zhang. Heterogeneous Similarity Modeling for Multi-Dimensional Classification. (Submitted to IEEE Transactions on Knowledge and Data Engineering)

Conferences

Oral & poster

Aug. 2024. *Deep Multi-Dimensional Classification with Pairwise Dimension-Specific Features*. In IJCAI'24, Jeju, South Korea.

Aug. 2023. *Progressive Label Propagation for Semi-Supervised Multi-Dimensional Classification*. In IJCAI'23, Macau, China.

poster (upcoming)

July. 2025. *Towards Escaping from Class Dependency Modeling for Multi-Dimensional Classification*. In ICML'25, Vancouver, Canda.

Teaching Experience _____

Fall 2022 **Introduction to Artificial Intelligence**, Teaching Assistant *Southeast University*

Awards & Honors _____

- 2024 - 2026 **Doctoral Innovation Ability Enhancement Program**, Southeast University
- 2024 **The Second Prize of the 21st Chinese Graduate Mathematical Contest**, Association of Chinese Graduate Education
- The Second-Class Graduate Scholarship**, Southeast University
- 2023 **The First-Class Graduate Scholarship**, Southeast University
- 2022 - 2027 **Southeast University's "Zhishan Youxuan" Direct Ph.D. Program**, Southeast University

Outreach & Professional Development _____

PEER REVIEW

IEEE Transactions on Knowledge and Data Engineering
Frontiers of Computer Science

Technical Proficiency _____

PROGRAMMING

Python, C++

SOFTWARE/FRAMEWORK

PyTorch, Matlab, LATEX