Teng Huang

Ph.D Candidate

Southeast University, Nanjing 210096, China

✉ tengh@seu.edu.cn | ⌂ https://tengingit.github.io/

Education

Southeast University *Nanjing, China*
Ph.D Candidate *Sept. 2022 - present*
- School of Computer Science and Engineering
- Advisor: Prof. Min-Ling ZHANG

Southeast University *Nanjing, China*
B.Sc. *Sept. 2018 - June. 2022*
- School of Chien-Shiung Wu (*with Honours*)

University of California, Berkeley *Berkeley, USA*
Semester Exchange *Aug. 2019 - Dec. 2019*
- Department of Electrical Engineering and Computer Sciences

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 paper are available at *https://palm.seu.edu.cn/zhangml/*

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. Deep metric learning for multi-dimensional classification. (Submitted to IEEE Transactions on Pattern Analysis and Machine Intelligence)

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.

Teaching Experience

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

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