Special Issue

Zero-Shot Learning in Natural Language Processing and Its Applications, Volume II

Message from the Guest Editor

The growing industrial demand of natural language processing (NLP) and computer vision (CV) has motivated the development of semantic–visual modelling. Zero-shot learning (ZSL) has received increasing attention in the past two decades due to its superiority in coping with novel classes and out-of-distribution (OOD) scenarios. This Special Issue focuses on how to design new NLP paradigms to enhance the generalization to 1) novel distribution tasks; 2) novel modalities, e.g., visual images; 3) novel representations, e.g., knowledge graphs. Backbone models and representation learning for general NLP tasks are out of the scope of the issue. The purpose of the issue is to thoroughly explore all possible solutions to update existing ZSL paradigms in NLP, CV, and other modalities that involve unlabelled novel classes and tasks. Publications in this Special Issue will contribute to the existing literature on benchmark establishment, paradigm design, model development, and application deployment of NLP in CV and other real-world modalities and issues.

Guest Editor

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