Advancing Natural Language Processing with Zero-Shot Learning

Περιγραφή Θέματος

Zero-shot learning enables machine learning models to perform tasks in domains where no labeled data is available. This thesis investigates state-of-the-art approaches to zero-shot learning in natural language processing (NLP), leveraging models like GPT and BERT. It examines their ability to generalize across languages and tasks, highlighting challenges in low-resource scenarios. A proposed framework improves accuracy by combining zero-shot learning with unsupervised domain adaptation, demonstrating effectiveness in real-world text classification tasks.

Καθηγητής: Basilis Karras

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