Special Issue

Language Processing and Knowledge Extraction

Message from the Guest Editors

In this Special Issue we are interested in the usage of machine learning approaches on natural language processing, independently of the complexity of the task being solved, and either considering it as a single ML problem or using ML to solve a specific portion. We are especially interested in applications of ML approaches on languages with limited data availability (usually referred as under-resourced languages).

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About the Journal

Message from the Editor-in-Chief

Machine learning deals with understanding intelligence to design algorithms that can learn from data, gain knowledge from experience and improve their learning behaviour over time. The challenge is to extract relevant structural and/or temporal patterns ("knowledge") from data, which is often hidden in high dimensional spaces, thus not accessible to humans. Many application domains, e.g., smart health, smart factory, etc. affect our daily life, e.g., recommender systems, speech recognition, autonomous driving, etc. The grand challenge is to understand the context in the real-world under uncertainty. Probabilistic inference can be of great help here as the inverse probability allows to learn from data, to infer unknowns, and to make predictions to support decision making.

Editor-in-Chief

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