Special Issue

Applications of Natural Language Processing to Data Science

Message from the Guest Editors

This Special Issue aims to explore advanced techniques and emerging applications of Natural Language Processing (NLP) within the context of data science. In recent years, the field of NLP has made significant strides due to advancements in machine learning, deep learning, and the availability of large datasets. This evolution has opened new avenues for research and practical implementation across various domains, including business, healthcare, finance, education, and many others. This Special Issue welcomes original, high-quality contributions that address, but are not limited to, the following topics:

- Advanced Language Models: Transformers and deep learning models for NLP, BERT, GPT, and their variants.
- Multilingual Natural Language Processing: Challenges and solutions for handling multilingual data.
- Sentiment Analysis and Opinion Mining: Techniques and applications for extracting and analyzing online opinions.
- Information Extraction: Techniques for automatic extraction of structured information from unstructured texts.
- Integration of NLP and Big Data: Methods for processing large volumes of textual data, scalability, and performance.

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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