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Text Mining: Classification, Clustering and Extraction Techniques

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Message from the Guest Editors

Dear Colleagues,

Pre-trained language models such as BERT and GPT-3 have excellent performance in handling various kinds of natural language processing tasks such as question answering, machine translation, summarization, sentiment analysis, and so on. Meanwhile, in order to reduce the gap between the loss function used in deep learning and the objective function for actual machine translation, along with the great success of machine translation, the policy gradient method of reinforcement learning can be used to receive compensation from the objective function in the actual natural language generation. As soon as there was, the ability to generate sentences that seemed to be used by real people was further maximized. In these cases, it is expected that the recent success of natural language processing techniques through deep learning and reinforcement learning can be transfered to main text mining problems including text clustering, text classification, and text extraction.

Keywords:

- Text Mining
- Natural Language Processing
- Deep Learning
- Reinforcement Learning

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