Abstract

Text Classification is one of the booming area in research with the availability of huge amount of electronic data in the form of news article, research articles, email message, blog, web pages etc. Text Representation is a vital step for text classification. In text representation, term weighting method assigns appropriate weights to the term to get better performance; the term weighting method which uses known information on membership of training document is supervised Term weighting method. Unsupervised term weighting method tf is compared with supervised Term weighting method tf. rf with Back Propagation Neural Network, results of experiment demonstrates that term weighing method (tf. rf) performs better than (tf) term frequency.

References

Comparative Study and Analysis of Supervised and Unsupervised Term Weighting Methods on Text Classification

- Zhihang Chen, chengwen Ni, Murphey Y. L., "Neural network approaches for text document categorization", Neural Network 2006 IJCNN.
- Combined of modified BPNN algorithms and an efficient feature selection method for text categorization.
Index Terms

Computer Science
Neural Networks

Keywords

Term Weighting Method  Relevance Factor  Term Frequency