Abstract

Web surfing is very essential task of daily life for any professional person they search information regarding their field. But to get exact required information from ocean internet of data have become complex task. To manage files and information properly document clustering is a good approach. Clustering method divides text information into subgroup on basis of content based similarity. Document clustering reduces searching effort and fulfills human interest information looking for. It groups similar files together to minimize the search time and complexity. This paper gives new clustering method based on hybrid XNOR function to find degree of similarities within any two documents. Resultant similarity used for document clustering by applying SVM classifier for learning network. This paper introduces new method for document clustering by use of similarity matrix calculation and this matrix is passed for training SVM network for upcoming document classification. The results show the effectiveness of proposed work. In this paper, we describe the formatting guidelines for IJCA Journal Submission.
An Enhancement of Clustering Technique using Support Vector Machine Classifier

- R. Agrawal, T. Imielinski, A. Swami. Mining association rules between sets of items in very large databases, Proceedingsof the ACM SIGMOD Conference on Management of data, 1993, pp. 207–216
- Congnan Luo, , Yanjun Li, Soon M. Chung. Text document clustering based on neighbors, Data & Knowledge Engineering (68), 2009,1271–1288
- Tianming Hu, Sam Yuan Sung, Hui Xiong, Qian Fu. Discovery of maximum length frequent itemsets, Information Sciences (178), 2008,69–87
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- Rachana Kamble, Mehajabi Sayeeda, Clustering Software Methods and Comparison, Volume 5 Issue 6, Pages 1878-1885 IJCTA November-December 2014.

Index Terms

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