Abstract

This paper concerns a subject oriented clustering algorithm for clustering the web search results obtained from web search engines. The algorithm is designed to create a list of words which serve as suggestions for users of search engines to modify their current search query. When a user executes a query, the algorithm shows potential directions in which the search can be continued. In this algorithm, the computational complexity of selecting different subjects is reduced by interpreting the set of all web page representations and their distances between them as a complete weighted graph. An incremental clustering approach has been proposed which avoids the process of reclustering the web pages. A list of suggested words or the clusters is presented to the user in the form of a tag cloud in which terms are arranged in a radial manner to increase the relevancy of search process.
References

Automatic Tag cloud Realization of web search results using Incremental Clustering By Directions Algorithm


Index Terms

Computer Science

Emerging Trends in Technology

Keywords

Clustering; Information Retrieval; Interactive Query Expansion; Search Methods  Direction