

Abstract

The fast growing of technology makes internet utilization has become very common. One of the internet utilization is searching information using search engine. The problem is, when using search engine to search for information using one term, the result is still questionable, whether the information met his/her needs or not.

It is possible to help user choose the information that he/she need by clustering search result. by doing such, search result will be clustered based on certain labels. The labels itself obtained based on the most frequent term occurred in the cluster. This final project will implement search engine's search result clustering using Dynamic Singular Value Composition which based on Latent Semantic Indexing. Preprocessing is required before clustering. The preprocessing itself will be consist of stoplist removal, stemming and then followed by term weighting.

Testing result showed that the Dynamic SVD Clustering Algorithm did not match for snippet documents, whereas for weighting scheme between TF and TF-IDF it showed that TF-IDF weighting schemes are having better value of precision and recall than TF weighting scheme. For labeling method by the most frequently term in one cluster, sometime are not compatible between label and cluster documents.

Keywords : *search result, dynamic singular value decomposition, preprocessing, clustering, latent semantic indexing, label*