Abstract

Multi-document summarization is needed in order information retrival can be done efficiently and effectively. This summarization system uses extraction framework that has been widely used to summarize the documents. There are some methods can be applied to build a system of document summarization, one of them is Suuport Vector Regression (SVR). In this system, Support Vector Regression is used to combine the features to get a model which is used to predict the value of importance of each sentence is then used to extract the important sentences and build the summary. Other method that also commonly used to summarization is classification models and ranking models through learning(learning-to-rank). The using of Support Vector Regression is expected to provide a summary of the results are close to the ideal, i.e summaries created by humans. Accuracy of the summarization system result is measured by using ROUGE (Recall-Oriented Understudy for Gisting Evaluation) .

Keywords: multi-document summarization, Support Vector Regression, ROUGE