

Abstract

Nowadays, society has become more interested in using Internet because information and technology are growing rapidly. Internet provides many kind of informations such as text, images, sound or video easily and fast. One of textual information that often being used in a website or blog is opinion. Besides help an individual to make a decision, opinion also can be a valuable input or feedback. So,it can be said that opinion is kind of valuable information.

This final project aims to find relevant opinions based on user input called Opinion Retrieval. This opinion retrieval use Support Vector Machine (SVM) with Gaussian Kernel, one of machine learning algorithm. SVM was chosen because its reliability has been proven in classify high dimensional text. In this final project, SVM is used to classify a sentence to opinion class or non-opinion class. Before go through classification stage, first the data will be preprocessed and the sentences will be weighted using TF-IDF technique. Accuracy, precision and recall are used as parameters to evaluate the system, the average of each test is above 70%.

Key Word : *Opinion Retrieval, Support Vector Machine, SVM, TF-IDF*