Abstract

Information Retrieval has an ability to provide a relevant document, as long as the query inputted into the system can be converted into a set of document that is relevant to user. For IR to be able to return a relevant set of document to user, the query inputted has to include a word that is of a high relevance to the document Index that are being used by the particular IR System. Relevance Feedback (RF) can be used to build a more relevant query.

Blind Relevance Feedback (BRF) is the common RF that is being used to get a more effective query. BRF Type 1 is the most common usage of RF, whereas BRF Type 2 are the improvement BRF, where the difference between them is the query expansion collection used. In BRF Type 1, the query expansion collection used, are the documents set itself, where in BRF Type 2, query expansion collection that are being used, is the document collection outside of the indexed document collections. In this Final Project analysis will be conducted to measure and compare the performance between IR without RF, IR with BRF Type 1, IR With BRF Type 2 and IR With BRF Type 1 and Type 2 combined. Query expansion collection used for BRF Type 2 is WordNet.

Based on observation that are already done, it has been known that BRF Type 1 are slightly better than BRF Type 2, time that are needed to proses BRF Type 1 are faster than the time for BRF Type 2. But this conclusion need a futher analysis, is a better query expansion collection can provide a better result for BRF Type 2 to surpass BRF Type 1 ability on retrieving relevant document. All of the BRF return a better retrival than IR alone without RF.

Keywords : Information Retrieval, Relevance Feedback, *Blind Relevance Feedback* Tipe 1, *Blind Relevance Feedback* Tipe ,WordNet.