

Abstract

Relevance feedback is a classic information retrieval (IR) technique that reformulates a query based on documents selected by the user as relevant [10]. Relevance feedback techniques have been recently an active research area in IR. Since the use of relevance feedback in information retrieval to improve precision and recall was first proposed in the late-1960's, many different techniques have been used to improve the results obtained from relevance feedback. Since most information retrieval systems performing relevance feedback use combinations of several techniques, the individual contribution of each technique to the overall improvement is relatively unknown.

There are several methods to improve relevance feedback and in this research use the Ide dec hi method. Ide dec hi method is the best overall relevance feedback method, where terms are directly added to the queries and only one non-relevant item is used in the process[9]. By relevance feedback using ide dec hi method can increasing system performance 112.89 % for precision, 74.921 %for recall and IAP 35.83%.

Key words : *information retrieval system, feedback, query, ide dec hi, precision, recall.*