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New technique to Deal With Verbose queries in Social Book Search

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Centre De Recherche Sur L'information Scientifique Et Technique

Résumé : Verbose query reduction and query term weighting are automatic techniques to deal with verbose queries. The objective is either to assign an appropriate weight to query terms according to their importance in the topic, or outright remove unsuitable terms from the query and keep only the suitable terms to the topic and user's need. These techniques improve performance and provide good results for ad hoc information retrieval. In this paper we propose a new approach to deal with long verbose queries in Social Information Retrieval (SIR) by taking Social Book Search as an example. In this approach, a new statistical measure was introduced to reduce and weight terms of verbose queries. Next, we expand he query by exploiting the similar books mentioned by users in their queries. We find that the proposed approach improves significantly the results.

Mots clés : Verbose Query Reduction, Query TermWeighting, Quey Expansion, Tf.Iqf, Social Book Search, Stop-Word List.

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