Abstract

Multiple language documents retrieval is being done by using Multilingual Information Retrieval (MLIR) system. MLIR system deals with the use of queries in one language and retrieves the documents in various languages. The Query translation plays a central role in MLIR system research. We have used English as the source language and Hindi, French and German as the target languages. The experimental results are evaluated to analyze and compare the
Performance Assessment of AMRR and ADCG Metrics in MLIR and IR Systems

The performance of proposed MLIR system metrics, Average Mean Reciprocal Rank (AMRR) and Average Discounted Cumulative Gain (ADCG), in Information Retrieval (IR) and MLIR system. Experimental results show that the performance of AMRR, ADCG in MLIR system has been improved 81.67%, 43.93% over IR system respectively.

Reference


Index Terms

Computer Science  
Information Retrieval

Key words

MLIR  
Mean Reciprocal Rank  
Cumulative Gain  
Average Mean

Reciprocal Rank

Average Discounted Cumulative Gain