Automatic Arabic Text Summarization Approaches

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Abstract

In recent years, automatic text summarization has seen renewed interest, and has been experiencing an increasing number of researches and products especially in English language. However, in Arabic language, little works and limited researches have been done in this field. This paper exposes a literature review of recent research works on Arabic text summarization. Current approaches used in this field are presented followed by a discussion about their limitations and the main challenges faced when dealing with such application. As a final point, a proposed approach to improve the quality of Arabic text summarization system is presented.

References

2. El-Shishtawy, T., El-Ghannam, F. 2012. Keyphrase based Arabic summarizer (KPAS). In informatics and systems (INFOS), 8th International Conference, IEEE.


Index Terms

Computer Science                      Pattern Recognition

Keywords

Arabic text summarization, clustering, RST, machine learning, graph theory, text entailment, extractive approaches.