Abstract

In this paper, we propose a hybrid method that combines the application of three previously used techniques. These techniques deal with three key issues related to Arabic stemming including affix removal proposed by Kadri [1], dictionaries [2] and morphological analysis [3] [4] [5]. Thus, when solving these problems these techniques are applied individually and independently to solve associated stemming problems, which requires some adjustments to be implemented on each one of them. Therefore, the main contribution of this experiment is to demonstrate the effectiveness of the hybrid method compared to other methods, and the choice of removing the suffix before prefix during the operation of Arabic stemming process.

References

Implementation of a New Hybrid Method for Stemming of Arabic Text

(Arabic and English), ICEMCO-98.


Index Terms

Computer Science

Artificial Intelligence
Keywords
Information Retrieval  Indexation  Tokenization stemming  Arabic Language