Abstract

Semantic lexicon is a lexicon augmented with information of lexical relationships among words. Although the semantic lexicon is the backbone of many intelligent applications, there is no serious effort has been done in developing an Arabic semantic lexicon. The main goal of this work is to build an automatic Arabic semantic lexicon. To achieve this goal, we select an Arabic dictionary and augment it with morphological information and semantic features such as Patterns, Meronymy, Holonymy and etc. The obtained results show that the objectives of this work are successfully accomplished, relations between different terms have been built and the glosses are automatically extracted for these terms.

References

the 9th Text REtrieval Conference (TREC-9)”, E.M. Voorhees and D.K. Harman ed., pages 379-388, NIST, Gaithersburg, MD.


Index Terms

Computer Science  Information Sciences

Keywords

Semantic Lexicon, Information Extraction, Morphology, Semantic Patterns, Lexical
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