Abstract

Language is important in communication, whether it is in written format for record purpose or it is in spoken format for coordinating our everyday tasks. To analyze and learn a particular language the underlying theories have to be understood. This understanding gets enriched if the knowledge of these theories can be made to store in some knowledgebase. Ontology is one way to store this conceptual database. This paper describes the design and implementation of ontology for syntactic knowledge of English grammar. The knowledgebase in the form of ontology can be further used by other systems involving Language analysis and Language learning. First the Conceptual Design of ontology is provided in the light of both conventional and Government and Binding theory Grammar. Then the ontology is implemented using Protégé platform where the complex relationship between the various grammar entities can be seen as graph using OntoGraf.
Marc Moens HCRC Language Technology Group, Edinburgh, "Natural Language Processing";

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Keywords
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