

Research Description

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Natural Language Processing (NLP) applications have the potential to facilitate reader access to a wide range of documents and enhance readability by providing a method whereby informative documents are automatically generated. Some of the techniques that have been applied to identify solutions to different types of reading difficulties are employed within the Natural Language Generation (NLG) field [1].

NLG techniques focus on generating written texts in natural languages from some underlying non-linguistic representation of information, generally from a database or a knowledge source. More recently, NLG applications have seen an explosion of interest in generating from Web ontologies languages [2,5]. Web ontology languages pose many opportunities and challenges for language generators [3]. Although standards for specifying ontologies provide common representations to generate from, existing generation components are not compatible with the requirements posed by these new-coming standards. One of these challenges concerns the process of text planning.

My research project aims to adapt the presentation of a text content for a specific readership from Web ontologies. It address the problem of how to establish linguistically motivated document plans from ontological information, so as to verbally express contents that describe a concept in an ontology.

References

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