

Automatic generation and simplification of written documents

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Research aim and objective

Aims to develop and evaluate generic methods and tools for assisting readers to understand different kinds of written information.

The objective is to answer the question about how existing language technology techniques can be utilized in order to present and explain complex information to people who do not have either the background or the time required to take in the original text form.

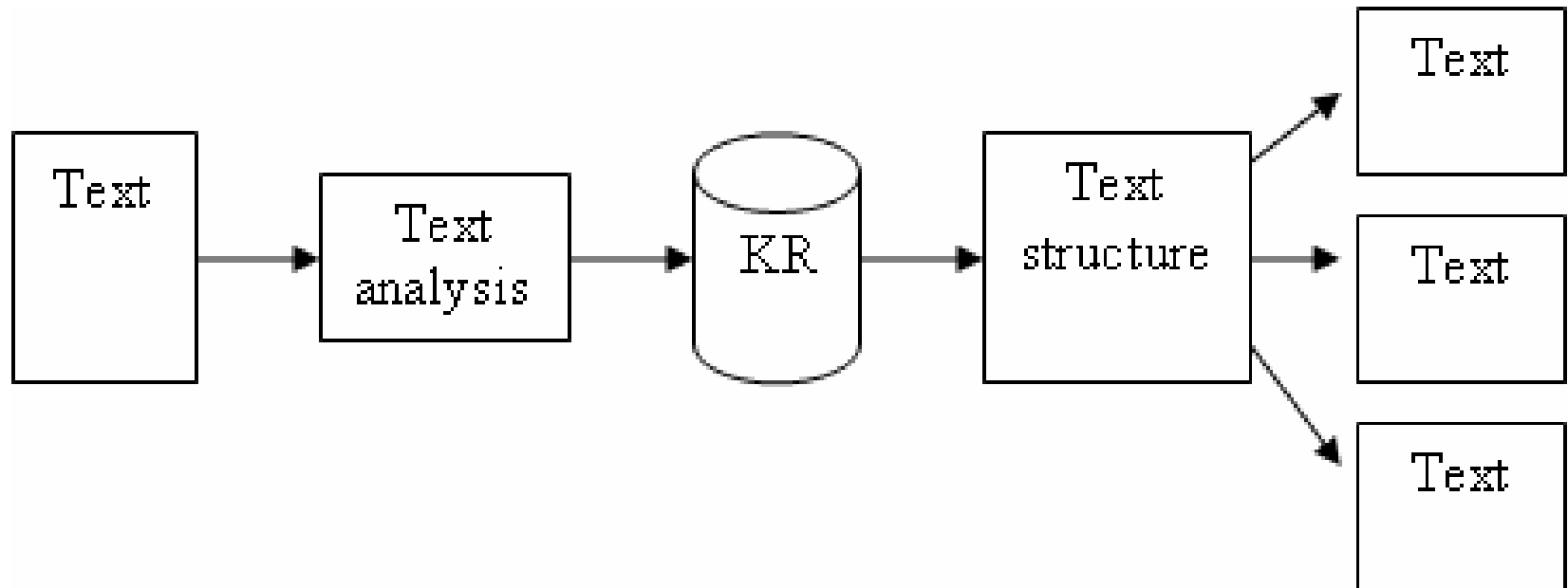
Justification for the research topic

Available information originally written by specialists causes readability problems for readers outside the profession.

This brings about needs to find new ways of presenting different sorts of textual information in a simple and understandable language.

Automatic simplification of written documents has been studied almost exclusively for English.

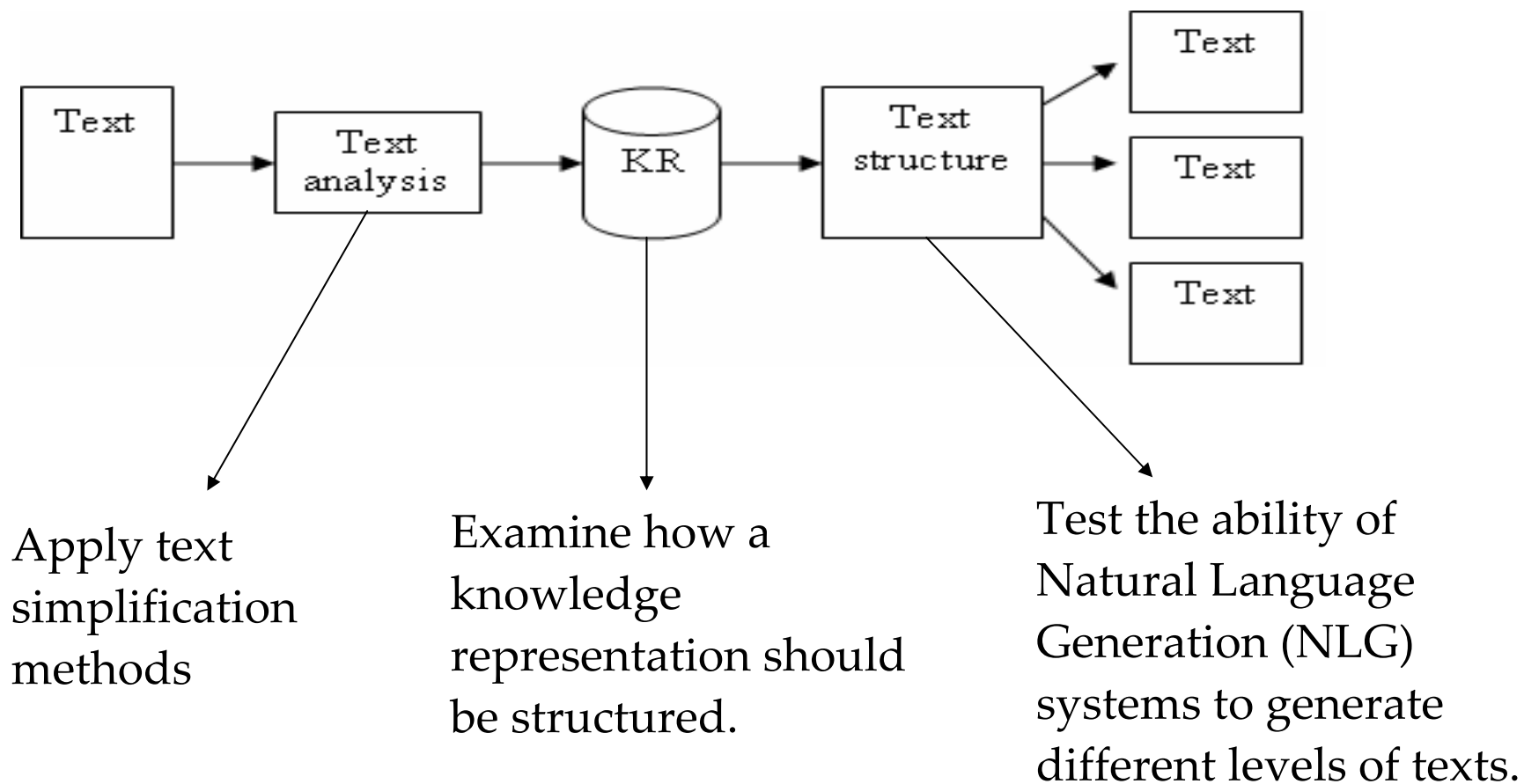
Our approach



Research Questions

1. How to automatically identify text themes in electronic texts as an aid in deciding how to select relevant information from which facts will be mapped into a knowledge representation model?
2. What types of domain models and associated reasoning are required for producing readable documents from one knowledge representation (KR)?
3. How should knowledge be presented in order for it to be informative and understandable for a specific readership?

Research Methods



Questions?