

A Systematic and Exhaustive Review of Automatic Abstractive Text Summarization for Hindi Language

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Abstract: Text summarization is the process of extracting salient information from the source text and to present that information to the user in the form of summary. It is very difficult for human beings to manually summarize large documents of text. Automatic abstractive summarization provides the required solution but it is a challenging task because it requires deeper analysis of text. Abstractive summarization methods are classified into two categories i.e. structure based approach and semantics-based approach. In this paper, an exhaustive and systematic review of semantics based abstractive text summarization methods for Hindi language has been presented. The main idea is to explore and understand the development done so far both at the international front as well as at Indian level. Besides the main idea, the strengths and weaknesses of each method have also been highlighted. This review has helped in clearly inferring that although abstractive summarization methods produce highly coherent, cohesive, information with less redundant summary, lot of research gap is still there. Finally, it is concluded from the literature studies that there is lots of research scope for abstractive based text summarization for Hindi language as well as for other regional languages of India

Keywords: Text Summarization, Abstractive Summary, Extractive Summary, Semantic analysis.

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