A Comparison on Techniques for Automatic Generation of Presentation Slides

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Abstract

The automatic generation of presentation slides from technical articles is one of the most desired but under-researched area in the field of computing. Automated generation of slide contents from technical articles is much difficult than a typical text summarization process, since it requires the identification of all the crucial contents from the article and their arrangement in a systematic manner, thus making it a non trivial task. The process is considered to be one of the core applications of text mining. Automatic slide generators can be broadly classified based on NLP, Statistical Methods and Machine Learning. A detailed review of some of the most important automatic slide generation techniques from academic articles is presented and a brief comparison among the discussed techniques is given.

References


Index Terms

Computer Science Automated Systems

Keywords

Natural Language Processing, Machine Learning, Web Mining