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Tool to Summerize Text

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Abstract: *Text summarization is the process of making a synopsis from a given text document while keeping the important information and meaning of it. Automatic summarization has become an essential method for accurately locating significant information in vast amounts of text in a short amount of time and with minimal effort. In this project, we propose to implement a web application that can summarize a text or a Wikipedia link.*
We have additionally been given an opportunity to compare different methods of summarization. Problem Statement - The tremendous abundance of material available on the internet has produced an odd paradox: people are immersed in information, yet they are yearning for wisdom. It is tough to keep up with the internet's daily production of billions of articles. Is there a method to absorb information more effectively in this case without increasing reading time?
We are proposing for the above problem a Text Summarizer web app using NLP and NLTK libraries.

Keywords: Automatic summarization, Extractive, Natural Language Processing, frequency-based

BIBLIOGRAPHY

[1] G. Erkan, D. Radev, “LexRank: Graph-based Lexical Centrality as Salience in Text Summarization”, Journal of Artificial Intelligence Research 22, 2004.
[2] Selvani Deepthi Kavala, Dr. Radhika Y, “Extractive Text Summarization Using Modified Sighing and Sentence Symmetric Feature Methods”, I.J. Modern Education and Computer Science, 2015.
[3] H.P.Luhn, “The Automatic Creation of Literature Abstracts”. IBM Journal of Research and Development, 1958.
[4] H.P. Edmundson, “New Methods in Automatic Extracting”, Journal of the Association for Computing Machinery, April 1969.
[5] A.Das, M.Marko, A.Probst, M.A.Portal, C.Gershenson －Neural Net Model For Featured Word Extraction ‖ , 2002.
[6] Jagadeesh J, Prasad Pingali, Vasudeva Varma, “Sentence Extraction based single Document Summarization”, Workshop on Document Summarization, 19th and 20th March 2005, IIIT Allahabad.
[7] Arman Kiani B, M. R. Akbarzadeh －Automatic Text Summarization Using: Hybrid Fuzzy GA-GP ‖ , IEEE International Conference on Fuzzy Systems. July 16-21, 2006.
[8] R. Mihalcea, and P. Tarau, "Textrank: Bringing order into texts,". In Proceedings of the 2004 Conference on Empirical Methods in Natural Language Processing, 2004.
[9] R. Nallapati, B. Zhou, C. dos Santos, C. Gulcehre, and B. Xiang, "Abstractive text summarization using sequence-to- sequence RNNs and beyond,". In Computational Natural Language Learning, 2016