Abstract

Automatic Text Summarization is an interesting topic for research. Still it is growing on. Increment of the data is exponentially growing on and it becomes too much difficult to find out the correct or relevant data in huge amount of data. So it becomes important for researchers to use it for efficient retrieval of information. Hence Text Summarization plays an important role for this problem. Summarization gives the short version for the text document which contains the main context of the document. Summarization can be classified into two categories: Extractive and Abstractive. This paper presents the extractive summary using lexical chaining approach. Lexical chains are created by using Knowledge based database i.e. Wordnet. This paper compares results with the traditional methods and gives better results.

References

4. Morris, J., and Hirst, G (1997) Lexical cohesion computed by Thesaural relations as an
   Indicator of the structure of text. Journal Computational Linguistics archive Volume 17 Issue1,
   Detection and correction of malapropism. In Fellbaum, C., ed., Wordnet: An Electronic Lexical
   Summarization, in Proceedings of the Intelligent Scalable Text Summarization Workshop
   (ISTS'97), ACL, Madrid, 1997. pp. 111-121
   Intermediate representation for automatic text Summarization Journal Computational Linguistics
8. Olena Medelyan, (2007) Computing Lexical Chains with Graph Clustering, Published in:
   Proceeding ACL '07 Proceedings of the 45th Annual Meeting of the ACL: Student Research
   Application to Natural Language Processing Problems. , Proceedings of the First Workshop on
   Graph Based Methods for Natural Language Processing, page 73-80. Stroudsburg, PA, USA,
   Association for Computational Linguistics.
    Lexical Chaining. Published in Proceedings of18th International Joint Conference on Artificial
    Intelligence (IJCAI03).
11. Junpeng Chen, Juan Liu, Wei Yu, Peng Wu (2009), Combining Lexical Stability and
    Improved Lexical Chain for Unsupervised Word Sense Disambiguation Published in: Knowledge
    pp.430-433
    according to shallow linguistic features. Published in: Advanced Communication Technology
    (ICACT), 2011, 13th International Conference .pp. 1620-1625
    and correlation of sentences. IJRET: International Journal of Research in Engineering and
15. Joe Carthy, Michael Sherwood- Smith (2002) , Lexical Chains for topic tracking,
    pp.1-5.
    Proceedings of the ACL-04, 2004 (pp. 74-81)
    in 3rd International Joint Conference on Natural Language Processing, Hyderabad, January
18. I. V. Mashechkin, M. I. Petrovskiy, D. S. Popov, and D. V. Tsarev, "Automatic text


**Index Terms**

Computer Science  
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**Keywords**

Extractive Summarization, Lexical chains, Semantic relations, Text Summarization (TS), Wordnet.