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4 February 2015, Article number 7031619, Pages 135-137
5th International Conference on Computer and Communication Engineering, ICCCE 2014; Sunway Putra HotelKuala Lumpur; Malaysia; 23 September 2014 through 24 September 2014; Category numberE5413; Code 110844

Complexity algorithm analysis for edit distance (Conference Paper)

Maarif, H.A.^a ✉, Akmeliawati, R.^a ✉, Htike, Z.Z.^a ✉, Gunawan, T.S.^b ✉

^aIntelligent Mechatronics System Research Unit, Dept. of Mechatronics Engineering, International Islamic University Malaysia, Malaysia

^bDept. of Electrical and Computer Engineering, International Islamic University Malaysia, Kuala Lumpur, Malaysia

Abstract

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Natural Language Processing (NLP) is a method which works on any language processing. Some of the algorithms are based on edit distance analysis. It is a process where the statistical calculations between two words or sentences are analyzed. Some of used edit distances for NLP are Levenshtein, Jaro Wrinkler, Soundex, N-grams, and Mahalanobis. The evaluation of edit distance is aimed to analyze the processing time of each edit distance in calculation of two different words or sentences. The objective of this paper is to evaluate the complexity of each distance, based on the time process. © 2014 IEEE.

Author keywords

edit distance natural language processing time comparison

Indexed keywords

Engineering controlled terms: Algorithms Computational complexity Computational linguistics

- Complexity algorithms
- Edit distance
- Language processing
- Mahalanobis
- Natural language processing
- Processing time
- Statistical calculations
- Time comparison

Engineering main heading: Natural language processing systems

ISBN: 978-147997635-5

DOI: 10.1109/ICCCE.2014.48

Document Type: Conference Paper

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Source Type: Conference Proceeding
Original language: English

Volume Editors: Gunawan T.S.
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