
Methods for Creating a Morphological Analyzer



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Abstract

The morphological analysis process is an important component of natural language processing systems such as spelling correction tools, parsers, machine translation systems, and electronic dictionaries. This article describes the stages of a text analyzer, methods for creating a morphological analyzer and a morphological generator. Ways to use the NLTK package tools in Python when creating a morphological analyzer, examples of software codes are given. Also, morphological analyzer structure and architecture are presented on the basis of the morphological analysis process (flexion, derivative, affixpids detection, compound forms).

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