ABSTRACT

The relevance of the topic: the absense of a system for text study in Ukrainian

The purpose of the study: Creating systems for the research of Ukrainian text by linguists

The following tasks were set:

- analyze different systems for text research

- analyze different methods for text research

- implement three methods of text reasearch

- design the scalable architecture for the system

- develop a web application for using of the system

- analyze the effectiveness of the implemented methods

- to develop a startup project for the created system

The object of research: methods of the text research, including morphological analysis, statistical analysis and sentiment analysis of the text using machine learning

The subject of research: methods of naive Bayesian classifier and most often.

Methods of research: theoretical, empirical, comparison, analysis

Originality of research: The most significant scientific results of research are:

- model of tone recognition of Ukrainian text was created

- an architectural system is proposed that scales and adds modules that are added to each

The practical meaning of the results is that linguists can use the system for a text research

Connection with scientific programs, plans, topics: scientific researches of linguists

Testing: The main functions of the paper were reported and discussed at two conferences

Publications: The scientific works of theses are published in two scientific journals.

Keywords: text analysis, computer linguistics, linguistic systems, natural language processing, morphological analysis, statistical analysis, sentiment analysis