



Linguistic Features of Internet Texts by People Who Committed Suicides

Suicide is one of the top causes of death in youngsters
There is a growing need for methods of identifying suicidal individuals

Texts analysis as valuable tool: from suicide notes to social media texts

- Most research has been performed for English texts · Few studies of internet texts by individuals who died of suicide and they are mostly case studies · Lexical-based features are used

The first study aimed at identifying linguistic characteristics of Russian texts by individuals who died of suicide

| Material | Methods | Results |
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| <ul style="list-style-type: none">• Blogs of 45 Russian individuals aged from 14 to 25 who died by suicide (LiveJournal), 200000 words in total• Samples of natural written speech from 1000 students of various Russian universities, all a part of RusPersonality (the first corpus of Russian texts containing wide metadata with the authors' personal information), 200000 words in total | <ul style="list-style-type: none">• All the texts of blogs were joined into a single text with the length of about 200000 words. The resulting text was divided into segments of 200 words making a total of 1000 texts.• Texts were processed by Developed LIWC (Russian version of LIWC + our vocabularies)• Main attention to features that were not significantly dependent on the topic• ANOVA + Kruskal-Wallis and Tukey tests | <ul style="list-style-type: none">• In texts by suicidal individuals, compared to those by individuals from a control group, there are more function words, verbs, conjunctions, words describing cognition overall, inclusion words, more commas, fewer prepositions, more words describing comparison, and words describing space and pronouns.• More negations, fewer words describing social and perceptive processes (particularly vision), more vocabulary from the LIWC group "Body", fewer words for positive emotions, and more words for negative emotions.• Suicidal individuals are more self-centered and less focused on seeing the world around them |

**Are there any studies
in suicide tendency detection in authors
of social media texts for non-English languages?**