

NooJ 2017



ELLIADD



INTERNATIONAL NooJ 2017 CONFERENCE

**Faculty of science, Kénitra and
ENSIAS, Rabat,
Morocco**

May 18-20, 2017

Final Program and Book of Abstracts

TABLE OF CONTENTS

Welcome to NOOJ'2017.....	1
Scientific committee and Organizing committee.....	2
NOOJ'2017 Main Program.....	4
Paper Abstracts.....	9

SENTIMENT ANALYSIS ALGORITHMS FOR THE BELARUSIAN LANGUAGE IN TOURISTIC SPHERE

A. Kryvaltsevich^{1,3}, Ya. Zianouka¹, N. Kazlouskaya¹, A. Drahun¹, A.
Schcarbaku², Y. Hetsevich¹

¹United Institute of Informatics Problems, Minsk, Belarus

²Belarusian State University of Informatics and Radioelectronics

³*e-mail: elena.krivaltsevich@gmail.com*

Abstract

Sentiment analysis is the area of computational linguistics that deals with the study of opinions and emotions in text documents. In other words, sentiment analysis identifies a certain type of information in sources, more often in social media. The main task of the analysis is to find the keywords of opinion in the text and to define their properties depending on the task, for example, who owns this opinion, the topic of the opinion and the tone (positive, negative or neutral). As sentiment analysis algorithms for the Belarusian language is undeveloped sphere the authors have decided to model this mechanism in NooJ as a linguistic processor [1].

The authors have chosen touristic sphere as it is highly developing branch of Belarusian state economy. The realization of state program “Hospitable Belarus” for 2016—2020 was started last year [2]. We are developing sentiment analysis algorithms in borders of touristic domains texts, based on opinion mining for Belarusian cities.

Results of this research will enlarge resources for the Belarusian NooJ module, enable to study new levels for further research in other domains and can be used for solving different linguistics and sociological tasks.

References

1. Silberztein, M.: Formalizing Natural Languages: The NooJ approach. Wiley, London (2016).
2. State program on tourism developing in Republic of Belarus // [Electronic resource]. — 2017. Mode of access : <http://www.mst.by/ru/programma-razvitiya-turizma-ru/>. — Date of access : 17.01.2017.