

Zgłoszenie tematu INŻYNIERSKIEJ pracy dyplomowej

STUDIA I STOPNIA rok akademicki 2021/22

Promotor:	dr hab. Jozef Kapusta, prof. UP
Temat pracy dyplomowej (j. polski, j. angielski):	Design of Sentiment Classifier for the Polish Language <i>System do klasyfikacji emocji na podstawie analizy tekstu w języku polskim</i>
Zakres pracy i oczekiwane rezultaty praktyczne:	Sentiment analysis, also called opinion mining, is the field of study that analyzes people opinions, sentiments, evaluations, appraisals, attitudes, and emotions towards entities such as products, services, organizations, individuals, issues, events, topics, and their attributes. The majority of efforts is devoted to English textual data, while a high share of information is available in other languages. The aim of the thesis is creation own classifier for sentiment analysis. The primary goal is to apply the methods of sentiment analysis to analyze texts in Polish. The student will create his own dataset with reviews and information about a final decision of sentiment (e. g. thumb up/thumb down, count of stars etc.). Based on this dataset, the student will select a method for classification and create his own sentiment classifier.
Aspekt inżynierski*:	Selection and implementation of natural language processing methods, implementation of selected classification methods.
Wymagane oprogramowanie/języki programowania**:	Jupyter Notebook (Python)
Środowisko uruchomieniowe**:	
Dodatkowe wymagania i uwagi:	English Language
Literatura**:	<ol style="list-style-type: none"> 1. BING, L. 2012. Sentiment Analysis and Opinion Mining, Morgan & Claypool Publishers, May 2012. 2. BING, L. 2011. Web Data Mining: Exploring Hyperlinks, Contents, and Usage Data. Springer Heidelberg. p. 637. ISBN 978-3-642-19459-7. 3. Steven Bird, Ewan Klein, and Edward Loper: Natural Language Processing with Python - Analyzing Text with the Natural Language Toolkit. O'Reilly Media, 2009. 4. Benjamin Bengfort, Tony Ojeda, Rebecca Bilbro: Applied Text Analysis with Python: Enabling Language - Aware Data Products with Machine Learning, O'Reilly Media, 2018, 332 p.

*należy uzasadnić/wskazać, czy praca spełnia wymagania inżynierskie

**pola opcjonalne