

kod szkolenia: PYTH_NLP / ENG DL 2d

Natural language processing in Python





Purpose of the training

The training is intended for people who want to gain basic knowledge of natural language processing (NLP). During the course, lectures, discussions, and exercises alternate. The discussed items are illustrated by examples in Python, which are further developed in hands-on tasks.



Benefits of completing the training

NLP, along with computer vision, is one of the most popular areas of machine learning in both commercial applications and research. Course participants gain elementary theoretical and practical knowledge from the NLP field and are able to apply Python libraries to automatically solve basic language problems.



Expected Listener Preparation

Basic knowledge of Python and machine learning including pandas and scikit-learn packages.



Training Language

• Training: English



Czas trwania

2 dni / 14 godzin



Training agenda

- 1. Regular expressions
- 2. Text preprocessing
- 3. Tokenization
- 4. Stop words, lemmatization
- 5. Bag-of-words
- 6. N-gram
- 7. Word vectors
- 8. TF-IDF vectorizer, Count vectorizer
- 9. Word embedding
- 10. Named-entity recognition
- 11. Sentiment analysis
- 12. Application of classic ML algorithms
- 13. Recurrent models
- 14. Introduction to chatbots