Extraction of Drug-Drug Interactions from Biomedical Texts

Carlo Alessi & Doria Saric

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Software

- Base language: Python
- XML parser: ElementTree
- Pandas
- Numpy
- Gensim: Word2Vec
- NLTK
    a. Word tokenizer
    b. Part-of-Speech tagger
    c. English stemmer
- Scikit Learn
    a. Data preprocessing
    b. Pipelines
    c. SVM
- Keras: ANN

Method

- Task9.1
- Task9.2

Learners

1. Feed-forward Neural Network
   - Kernel: radial basis function
   - $C = 1$
   - $\gamma = auto$
   - $\alpha = 0.001$
2. Support Vector Machine

Results

Conclusions