

## Neural Networks applied in NLP

### Lab 2

Get familiar with syntactic and dependency parsing by generating the corresponding trees for the following sentences:

*I saw the lady on the hill.*

*We ate octopus and shells for dinner.*

*Anna and Peter saw us.*

Steps:

1. (0.5p) Write a suitable grammar, able to correctly parse all sentences, with all their senses. Use as inspiration the grammars discussed in class.
2. (0,25p) Use NLTK to extract phrase structure trees for these sentences.
3. (0.25p) Implement dependency parsing using spaCY, NLTK with Stanford CoreNLP or Stanza. Use [this guide](#) for advice.