

## Exercise 1:

Select an english or german wikipedia article of your choice and analyze it with spaCy analogous to what we did in the lecture.

Tasks:

- You may directly load the article with python or just copy-and-paste a paragraph into your jupyter notebook.
- You should select a random sentence and pre-process it as the following:
  - Tokenize it and print the tokens (1 pt.)
  - Lemmatize it and print the lemmas (1 pt.)
  - Carry out POS-tagging and visualize them as a dependency plot (2 pt.)
  - Carry out NER and visualize it with displacy (2 pt.)

You are expected to hand in a jupyter notebook with at least minimal comments in either .ipynb or .html format!

**Hand-in is due 9th of January 2023, 23:59;**

Points: \_\_/6