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 (and you may reuse the code from the lecture).

Tasks:

- You may directly load the article with python or just copy-and-paste a paragraph into your jupyter notebook.
- Select a spaCy model appropriate for the chosen language.
- 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, print the tags and visualize them as a dependency plot (2 pt.)
  - Carry out NER, print the entities and visualize them with display (2 pt.)

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

Hand-in is due 31st of January 2024, 23:59;

Points: __/6

Micha Johannes Birklbauer   Nov. 2023