**Learner Corpus Research Summer School**

**Workshop: Automatic annotation of learner corpus data**

July 4th, 2023, Louvain-la-Neuve

ACTIVITY 2. Syntactic parsing

1. Open the [Hugging Face spaCy visualizer](https://huggingface.co/spaces/spacy/pipeline-visualizer).
2. Copy and paste the first sentence of the cleaned version of BRFF1065.txt into the window under ‘Text to analyze’.
3. For now, make sure all of the following options are unselected:

* Split sentences
* Collapse punct
* Collapse phrases
* Compact mode

1. Take a look at the visualization of the dependency parse.

*Note: you can right click the image to download it to your computer if you want to see it better.*

1. Find the ‘punct’ (=punctuation) dependency relation.

***Question 1. Which word is the final period dependent on?***

1. Click on the options ‘Compact mode’ and ‘Collapse punct’ to see what changes.
2. Look for the ‘amod’ and ‘dobj’ dependency relations.

***Question 2. What type of dependency relationships are marked by ‘amod’ and ‘dobj’?***

Hint: See [here](https://v2.spacy.io/api/annotation) a full list of the dependency tags used by spaCy.

1. Click on the option ‘collapse phrases’ to see what changes.
2. Unselect all of the options except for ‘Split sentences’
3. Copy the full the cleaned text of BRFF1065.txt into the textbox.
4. Scroll down to find the ‘Token attributes’ window. Expand the window by clicking on the arrows in the top right corner.

*Note:* You need to hover with your mouse over the table for the arrows to appear.

1. Click on the column ‘dep\_’ to sort by dependency type.

***Question 3. How many amod dependencies are there in this text?***

***Question 4. What adjective modifies the word ‘difference’?***

***Question 5. What is the object of the verb ‘control’?***