

Lab Sheet for NLP, Part 5/5**Task 1**

Perform anaphora resolution using a history list on the following discourse: “Yesterday John bought a new car. It was very expensive, but he was happy with the purchase.”

Task 2

Using NLTK’s WordNet model, find out in which synsets the word “sense” can be found. For each corresponding lemma, look for a definition as well as any hypernyms, hyponyms, and/or antonyms. (Hint: Chapter 2 of the online NLTK book has some hints on how to do this.)

Task 3

Use NLTK’s (KWIC) concordancer to have a quick look at how the word “sense” is used in Jane Austen’s novel “Sense and Sensibility”. (Hint: Chapter 2 of the online NLTK book provides some information. You may have to download the Gutenberg corpus using `nlk.download()` before you can access the novel. Take care not to download all corpora at once.)