

# Assignment 5,6 + Smoothing 2

## (SNLP Tutorial 6)

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# Assignment 5

- Exercise 1: OOV Words
- Exercise 2: Additive smoothing
- Exercise 3: Perplexity, infinite smoothing, interpolation
- Bonus: Other language models

# TODO

# Assignment 6

- TODO

# Resources

- ① UdS SNLP Class: <https://teaching.lsv.uni-saarland.de/snlp/>
- ② Additive smoothing: [https://en.wikipedia.org/wiki/Additive\\_smoothing](https://en.wikipedia.org/wiki/Additive_smoothing)
- ③ n-gram count trees: <http://ssli.ee.washington.edu/WS07/notes/ngrams.pdf>
- ④ n-gram models: <https://web.stanford.edu/~jurafsky/slp3/3.pdf>
- ⑤ Count-trees figure: <https://www.w3.org/TR/ngram-spec/>