BA Computerlinguistik in Heidelberg
Studieninhalte

6. Semester – Bachelorarbeit

Explainable NLP for Detecting the Sentimental Mood inthe German Automotive Industry

Gender and Age Stereotypes in German Language Models

A Multilingual Exploration of Centering Theory

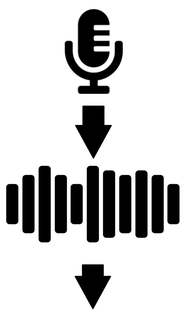
Generative Large Language Models for Unimodal Key Information Extraction

Developing a Speech-to-Text Model that Specialises in Filler Word Detection

Testing Vision and Language Models - Automatic Generation of FOIL Captions

4.-5. Semester

Freiwählbare Seminare (Beispiele)



Study Computational Linguistics!

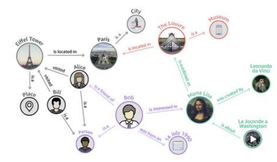
Speech-to-Text Translation

King - Man+Woman = Queen
Doctor - Man+Woman = Nurse?!
Bias

Interpretable Machine Learning

Evaluation of NLP Systems

NLP in Industry

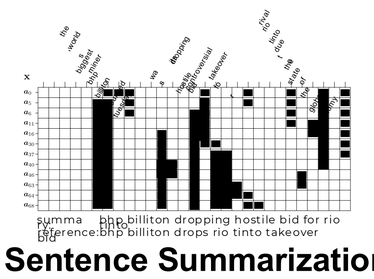


Knowledge Graphs

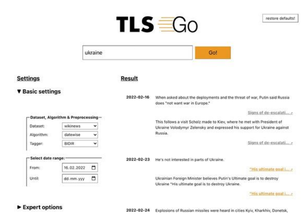
Experimente gestalten für das maschinelle Lernen

Softwareprojekt

Authorship Attribution



Sentence Summarization

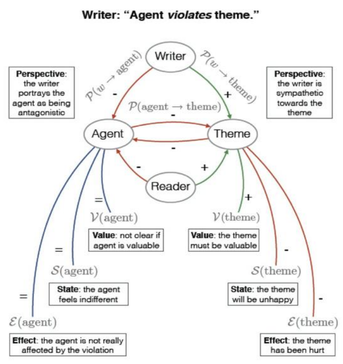


Timeline Summarization

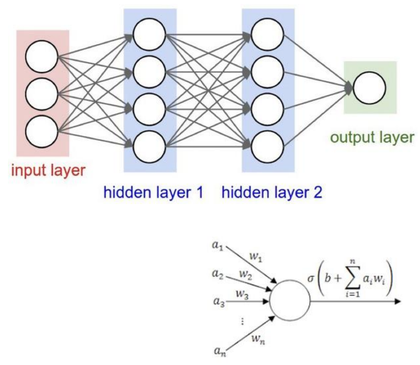
Reinforcement Learning from Human Feedback via Text Interactions

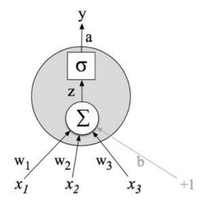
3. Semester

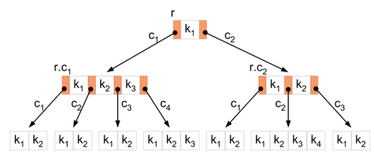
Einführung in das Maschinelle Lernen



Einführung in die Semantik



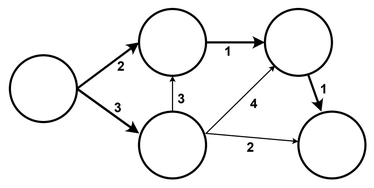




Quelle: https://commons.wikimedia.org/wiki/File:B-tree-definition.png

Datenbanken

Algorithmen und Datenstrukturen



Informatikanteil

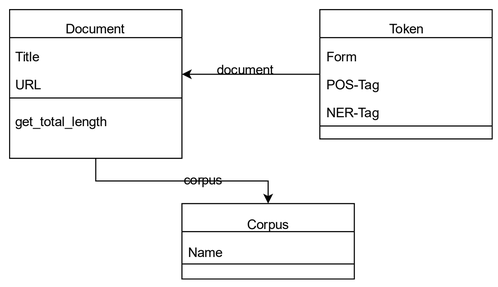
2. Semester

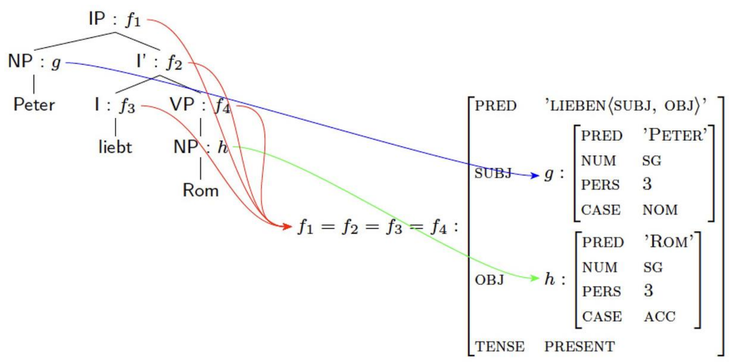
$$A \rightarrow B \leftrightarrow \neg A \vee B$$

$$\neg A \wedge (A \vee B) \rightarrow B$$

Logische Grundlagen

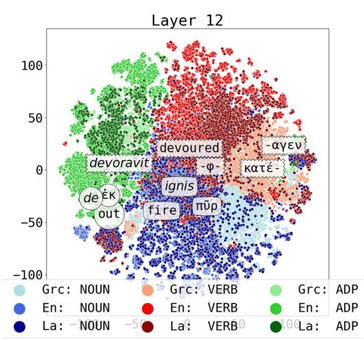
Programmieren II





Einführung in die Syntax

1. Semester



Einführung in die Computerlinguistik

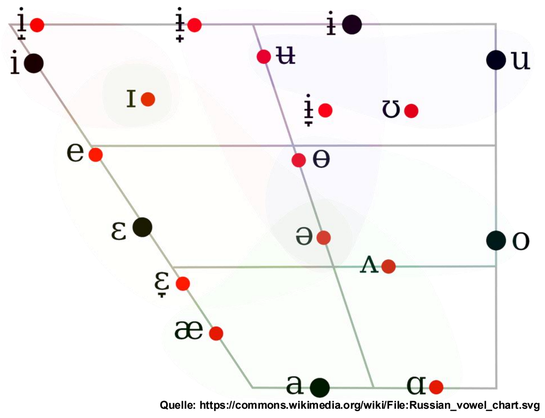
Programmieren I

```
if __name__== "__main__":
    whileTrue:
        answer= input("Are you studying CL in Heidelberg? ") if
        answer.lower()=="yes":
            brea
        print("You should study CL in Heidelberg!")

    print("Great!")
```

Mathematische Grundlagen

$$p(x|y) = \frac{p(y|x)p(x)}{p(y}$$



Quelle: https://commons.wikimedia.org/wiki/File:Russian_vowel_chart.svg

Einführung in die Sprachwissenschaft