

# \* \* \* PGM: Final Project Presentation \* \* \*

## PoS-Tagging and NER

C. Biehl, F. Otto, D. Wehner

TU Darmstadt

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# Agenda

① Task Description

② Process and Tools

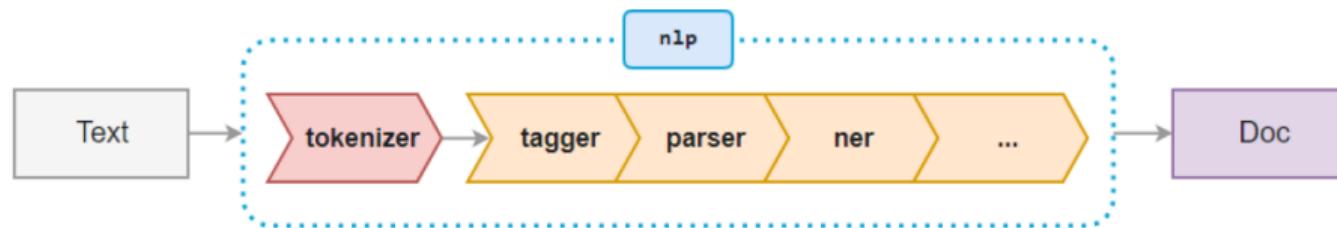
③ Results and Comparison

# Task Description

- The task was to use probabilistic graphical models for:
  - PoS-Tagging (Part-of-Speech Tagging)
  - Named Entity Recognition (NER)
- We used the following models:
  - Naïve Bayes (baseline model)
  - HMMs (Hidden Markov models)
  - CRFs (Conditional Random Fields)

$$P(A|B) = \frac{P(B|A) P(A)}{P(B)}$$

# Process and Tools



- tbd...

# Results

Naïve Bayes		
Features	F1-Score	Accuracy

HMMs		
Features	F1-Score	Accuracy

# Results (Ctd.)

CRFs		
Features	F1-Score	Accuracy

# Result Comparison

- tbd...

# Thank you very much for the attention!

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**Contact:**

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**Do you have any questions?**