

* * * PGM: Final Project Presentation * * *

PoS-Tagging and Named-Entity Recognition

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Agenda

① Task Description

② Process and Tools

③ Results

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

Results

Naïve Bayes		
Features	F1-Score	Accuracy

HMMs		
Features	F1-Score	Accuracy

Results (Ctd.)

CRFs		
Features	F1-Score	Accuracy

Thank you very much for the attention!

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Do you have any questions?