

Introduction to Natural Language Processing

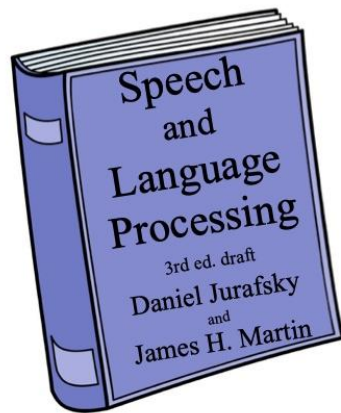
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Goals

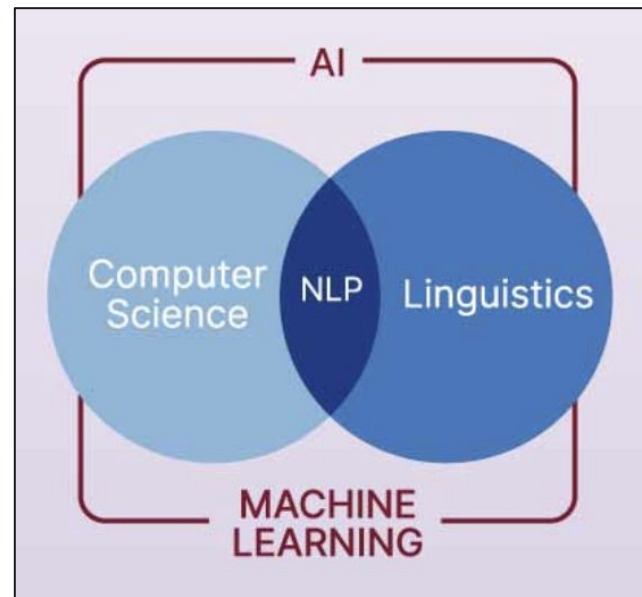
- Core NLP Concepts
- Cutting-Edge Techniques
- Hands-On Experience
- Project-Based Learning

Overview

- Linguistic Concepts
- Text Preprocessing
- Rule-based NLP
- Classical Models
- Word Embeddings
- Language Models
- Sequence Modeling
 - RNNs, GRUs, LSTM
- Transformers and Attention
- Transfer Learning (BERT)
- Generative AI (LLMs)



Hugging Face



Evaluation

- Assignments (Individual)
- Project (Group)

