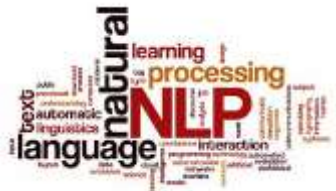


Introduction



Agenda

- What is NLP ?
- Applications of Natural Language Processing

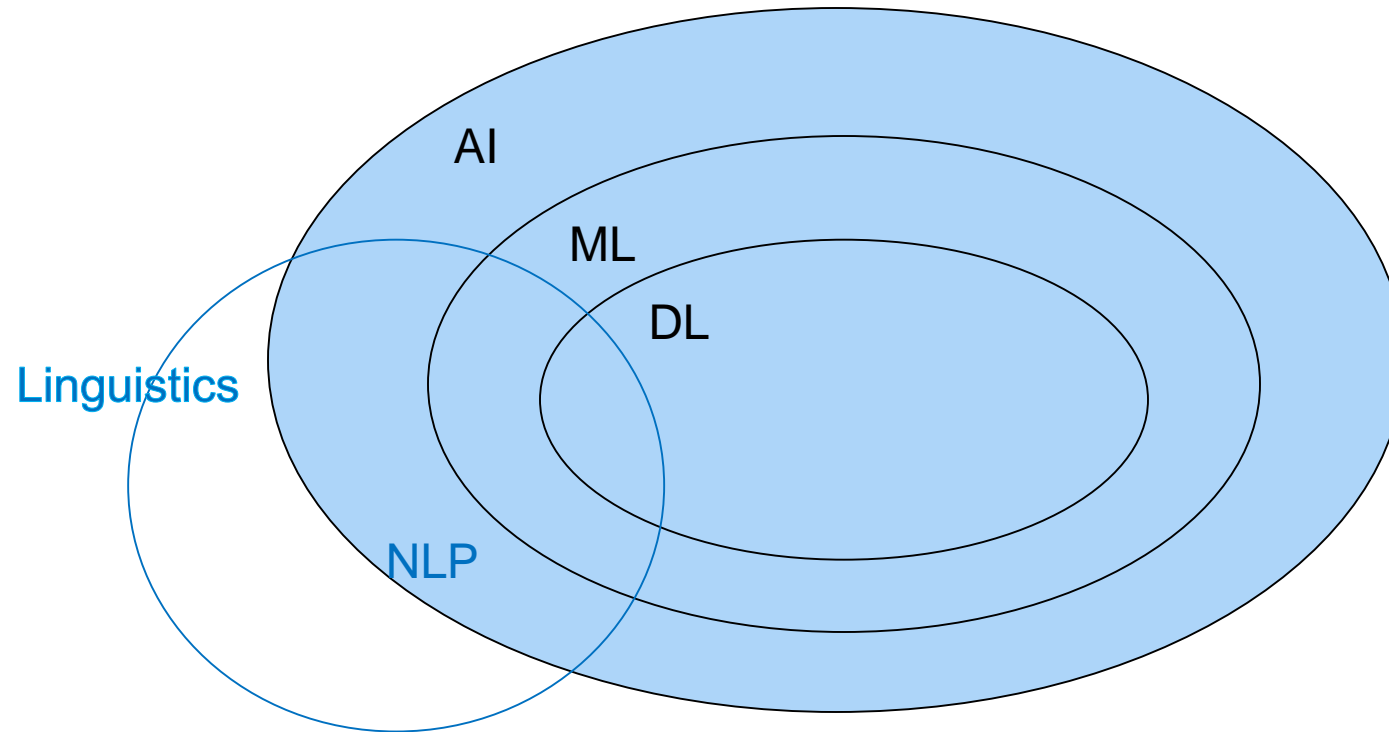
Natural Language

- Natural language refers to the way we, humans, communicate with each other.
- Namely, speech and text.
- We are surrounded by text.
 - Signs - Menus , Email , SMS , Web Pages , and so much more...
- We may speak to each other, as a species, more than we write. It may even be easier to learn to speak than to write.
- We must have methods to understand and reason about natural language, just like we do for other types of data.

Natural Language Processing (NLP)

- defined as the automatic (or semi-automatic) processing of human language.
- consists of systematic processes for
 - analyzing,
 - understanding, and
 - deriving information from the text data.

Relationship between NLP, ML ,Deep Learning and AI



Linguistics

- Scientific study of language, including its grammar, semantics, and phonetics.
- Classical linguistics involved devising and evaluating rules of language.
- Linguist is anyone who studies language.

Computational Linguistics

- Computational linguistics is the modern study of linguistics using the tools of computer science.

Relationship between NLP, ML ,Deep Learning and AI

