

→ Tech used by M/C to understand, Analyse, Manipulate, & Interpret HL

↳ it helps in

→ Translation

→ Topic Segmentation

→ Speech recognition

→ Relationship detection

Dr.

Ms.

M'

→ Automatic Summarization

(NLP)

→ Named entity recognition (NER)

Adv of NLP

- ask question about Subject & get direct
→ identify the information from large database.
gives ~~answer~~ with in second.
- Accuracy of documentation
- Efficiency of document processing
- offer exact answer / Alex4
of question / Google Assistant
- Time efficient
- Communicate with human in their own language

Limitation of NLP

⇒ How much Data is Sufficient to Provide train

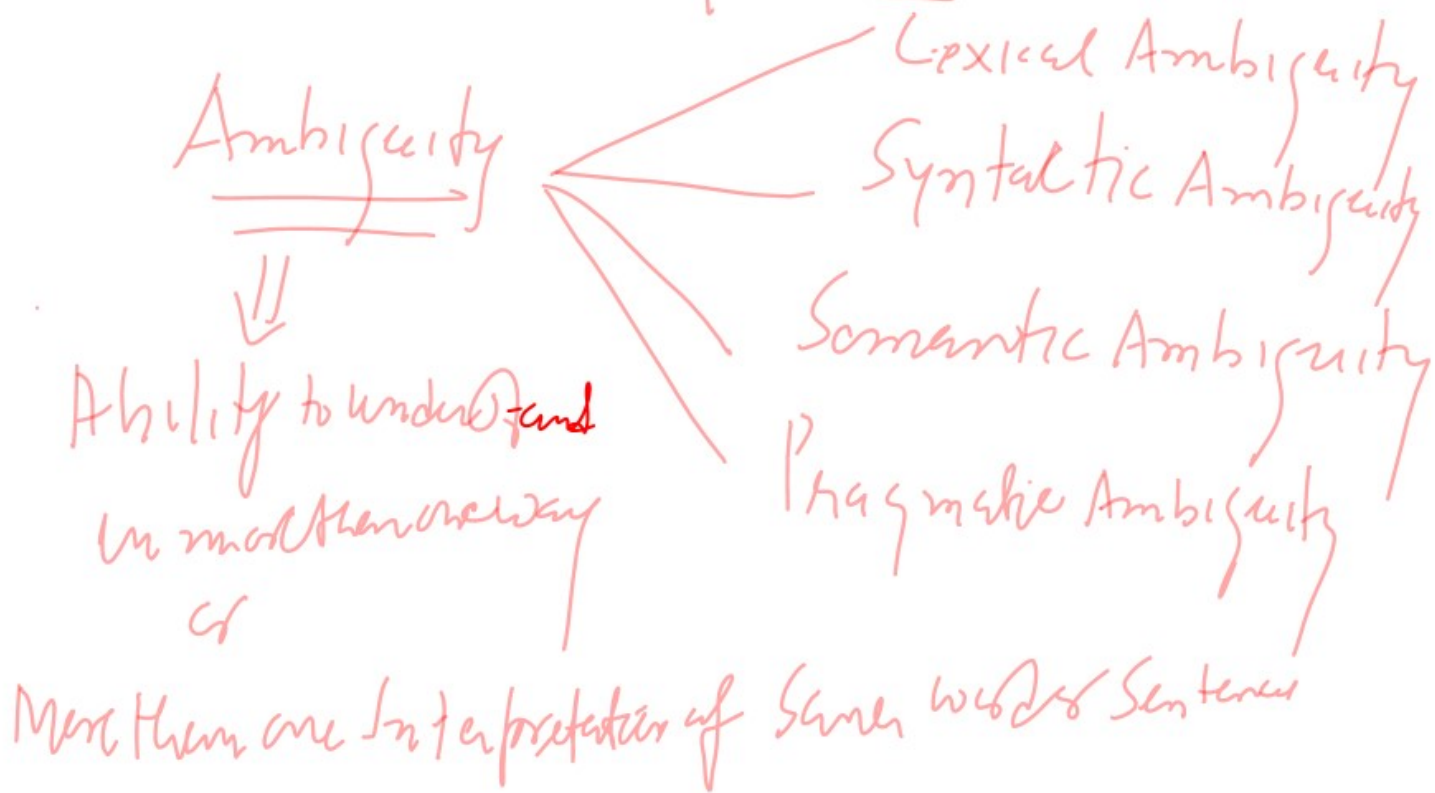
→ What algo exist for learning given Target function

→ When & How the prior knowledge held by learner

→ Guide the process of generalizing
it may not show context.



Challenges occurring During NLU



Syntactic Ambiguity

⇒ when sentence is parsed in more than one way.

⇒ structure of sentence is valid or invalid.

only man and woman were taken to safe place.

Lexical Ambiguity

Ambiguity in single word.

⇒ the tank was full of water.

↓ ~~Not~~ A army tank
⇒ water tank



Semantic Ambiguity

⇒ Ambiguity in Meaning of the sentence

⇒ The Bus Hit the Pole while it was Moving.

✓
Stemmy Limitierung
MERK

Semantic Ambiguity

⇒ Ambiguity in Meaning of the sentence

⇒ The Bus Hit the Pole while it was Moving.

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NEK

Pragmatic Ambiguity

⇒ Context of the phrase giving multiple
interpretation.

→ The Police are coming.

→ I like you too

Phases of NLP taken from, Star, Lin

MT phase First Phase Start from late 1940's to late 1960's

