Language ambiguity (has multiple precise meanings):		Lexicon – *morph(eme)*ological analysis (stem and affix e.g. 'cat'+'s')	Context-Free Grammar: <u>Derive</u> sentence structure through a <u>parse tree</u>
- word 'bring me the *file*'(resolve w/ POS) - syntactic 'I shot an elephant in my pjs' - semantic 'the rabbit is ready for lunch' - referential 'Pavarotti is a big opera star' - non-literal 'it's raining cats and dogs'	Deep Learning ✓ learns abstract functions instead of rules based on maintenance of intuitive linguistic rules.	Word segmentation (tokenization) Word normalization (case/acronyms/spelling) Lemmatization 'sing, sung, sang' → 'sing' Stemming (common root, above 's') Part-Of-Speech (tag words with noun, verb...)	

Language ambiguity (has multiple precise meanings):
- word 'bring me the *file*'(resolve w/ POS)
- syntactic 'I shot an elephant in my pjs'
- semantic 'the rabbit is ready for lunch'
- referential 'Pavarotti is a big opera star'
- non-literal 'it's raining cats and dogs'