Regular expressions Frigally, a regular expression is an algebraic notation of characterizing a set of strings. Particularly used bor Searching in texts when we have a pattern to search for and a cospus of texts to search through before we take processing words, we need to decide what counts as a word?? corpus (cpl: corpora): a computer readoble collection of Text or speech. it is the dataset we use bu NSO Token: Each individual occurance of a word in atext, including ponetuation is counted adepending on context ! Type: unique words in corpus ((rocabulary size)) capitalization and punctuation may or may not count 03 seperate takens depending on NIP tasks. Distluency in speech: · Disbluency: unplanned pause or corrections in speech. - Broken-off words: main-- Fillers: uh, um

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Lemma Vs wordborns:	The second of the second secon
· lemma : +l-l = 0	A Visit Andrew Committee of the Committe
	um of a word, representing
all its inblected u	
wowsform: a bully int	
eg: "cat" is lem	ma, "cats" is a word form.
Vocabulary zige:	
Type KIVI) : Sige of a	repul
Tokens (N)) = total runne	ing words
Hardans Law Hea	DS Law
	8 gets larger, new word types
Reep appearing, but at a	
) 11	
Formula: IVI = KNB	/u/= types, INI = tokens
11 = 11	K,B= constants
	OKBK1 usually 0.65-0.75
orgona and variations in-	language:
(I) context of words	D language varieties
	-american mainstream engli
	- abro-american english
(III) code switching	(I) genere nezziation
-using more than one	- different geners, scientific
language in a stream. like hindi word 8 and in english	· Poetic reter

_ 0	Tokonization: Spiliting text into words or meaningful units.  word normalization: Standardizing word borms.
-0	Sentlace segmentation: Spiliting text into sentences.
	word tokenization:
	-punctuation seperation:
	"Hello, world!" > ["Hello", ", ", "word"]
	_ Clitic expression:
	"we're" > ["we", "are"]
	- Special cases:
	"рн. О." -> ["РН. О"]
	_ Numbers:
	"\$ 45.55" \\ \["\$ 45.55"]
	34 bword Tokenization (BPE)
	our commission of = 1
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	lemma and senses:	
	lemma; (citation bam): the base dictionary born	$\parallel$
	of a word	$\parallel$
	sing is lemma bu sing, song, sung	
	Wordborm: any specific inflected form of a lemma	
	Sung, carpets, duermes	
	Sence: a distinct meaning of a lemma	
	_ mouse = rodent, mouse = computer device	
	lemmas can be polysemous (multiple senses), this will create interpretation problems.	
4	Wood senses disambiguation (wsn): Task of deciding which sense applies in context	
	on second when some appress or context	
3	Two sences are synonyms if they can substitute for	
	each other in any sentence without changing its truth conditions.	
	no two words are truly identical	
V	D'Elevences in linguistic four conespond to some	0
	to some difference on meaning.	-

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	word Bimilazity
-	not the same as synonymy:
-	cat and dog are not synonyms but are similar.
1	
₹	111-1 9-1-4-1-
-	Wow Relatedness:
-0	words can be related without being Similar. these
-0	would obten have a semantic Relation with eachother.
-3	
-	Semantic Frames and Roles:
-	Semantic Grame: a set of words representing roles
<b>3</b>	in an event. Trabs: buy, sell, pay
4	eg: Commercial transaction = noun: buyer
	Roles: Syyers, zellers, money
-	
-	Connotation:
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-	- emotional part of the meaning, positive or negative.
-	words with similar meaning, can differ in connotation
A A	eg = Copy copy seems positive/neutral
4	bake scems negative.
4	
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