	(CLate:
	D)age:
	Company of the Compan
900	Lemmatization:
j	In natural language processing, there may come a time
a neve	In natural language processing, these may when we want our program to recognize that the
9.0	when we want our program to recognition words 'ask' and 'asked' are just different tenses
arran a k	of same verb.
Fii	- different foilis
1.3	
	one another can be mapped to a central word or
	one another can be mapped to a come core meaning.
7	Symbol, especially if they have some core meaning.
Liti	For grammatical reasons, documents are going to
00	use different forms of a word, such
	organizes and organizing.
[vi	Additionally, there are families of derivationally
	related words with similar meanings such as,
	democracy, democratic and democratization.
[v	In many situations, it seems as if it would be
,	iseful for a search for one of these words to
-	return documents that contain another word in
	the Set.
·Liv	This is where like stemming or lemmatization
	comes in The main goal of lemmatization is to
	reduce inflectional forms and sometimes
	texivationally related forms of a word to a
	common base form.
	of instance:
	$am_{a}axe_{i}is \rightarrow be$
	car, cars, car's, cars' -> car
	he result of this mapping of text will be something
1000	Re:
	ne boy's cars are different colors =>
	the boy car are differ color
	The state of the s

	Page:
i	J Lemmatization usually refers to doing things properly
	with the use of vocabulary and morphological
	analysis of words, normally aiming to remove the
- 0	TO THE PROPERTY OF THE
Arra II	The state of the s
X	Lemmatizations is a more calculated process. It
done	involves resolving words to their dictionary
- 35	In tace, a remma of a word is its dictionary, Pors
Xi.	Because, remmatization is more nuanced in this
	respect, it requires a little more to actually
LATORS	make work.
Xii	For lemmatization to resolve a word to its lemma,
	it needs to know its pasts-of-speech tagger.
11. 11. 11.	This allows is to do better resolutions like
	resolving is and are to "be").
	Another thing to note about lemmatization is that
rid	it's often times hooder to create lemmatizer
1000 A	in a new language, than it is in Stemming algorithm
Vix	Because lemmatizes require a 101 more
	Anowledge about the structure of a language, it's a
had.	much more intensive process than just trying to
bero s	Set up a heusistic Stemming augosithm.
[v×	If confronted with token saw, Stemming might
	return just 5, whereas lemmatization would
	attempt to return either see or saw depending
907	on whether the use of token was a verb or a
	noun.
VVI	emmatizes, a tool from NLP which does full morphologic
- 11	u analysis produces at most very modest
- 11	penefits from retrival, and accurately identify lemma
	or each word.
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