13	Jan	ı	2023

Semantic Analysi's

Text Similarity, diff ppl hu a slightly different notion

on what text similarity means

meaning swfare closeness

meaning swithle closeness

It is alled as ———

Semantic Lexical
Similarity Similarity

The cat ate the mouse.

The house at the cat food

At surface level, these appear very similar.

This is lexical Similarity.

house sates cat food

mouse sates cat food

nouse sates cat food

the cat ate the mark.

Feature Extraction ('lan Model ato -latur Extraction Bay of Words (CountVectorizer)

Count Vectorizer (Bag of Words):

Ex:

- 1. I love playing.
- 2. We lave playing cricket
 - 3 Playing is fun

Preprocessing lower()

- 1. i lave playing.
- 2. We love playing chicket.
- 3. playing is fun.

Remove Punctuations

- 1. i lac playing
- 2. We love playing cricket
- 3. playing is fun

love playin	g Cric	ket					
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Stemming							
love play							
love play cri	chot						
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	Writt	ing a	11 the	ωα.	ls in the	Corpus h	

Remaral of Stopwards

love playing

3

and off (word 21)								
	play	love	Cri cleat	fun	L			
1. lare play	1	l	S	6				
2. love play cricket	l	(Ĭ	6				
3 play fun		ð	6	J				
Original Corpus:								
1. I love playing -> [1100]								
2. We true playing chicket -> [1 1 10]								
3. Playing is fun		<u> </u>	[1	0 0 1]			

X