TF-IDF [intuition] - Term frequency & inverse document frequency No. of repetitof words in sentences (TF) =Term frequency No of words in sentence. No. 9 sentences Inverse Document frequency (IDF) = 69 No. 9 sentences contains generate vector #. finally TF X IDF is used to fregu word pood boy gri ol good girl Sz boy good sirl. boy SZ 1DF TF words IDF 22 52 21 wy (3/3) =0 good god 1/3 1/2 1/3 1/2 girl 07 fi fz grod 1/2/0/3 51 D. 1/2 105(4) 25. b 1/2 10/3/2 1/2 108 (3/2) 0 used so as just

Date. Page

	TF-JDF_
	import note
	import nitk Pagriph =
	Y The state of the
	# cleaning.
	import re
7	from 3 months 3 months
	from nitic stem import wor when communities
	from nHk Corpus import Stopwords
:	
·	Stemmer = Porter Stemmer ()
	tammatizer = Word Net Lemmatizer()
	Sentences = nHk. sent_tokenize (paragraph)
	Corpus = []
	Frank John John John John John John John John
	for i in range (lan (sentences)):
	veries = re. sub ('[ra-zA-z], , sen(ences[1]))
	review = review ·lower ()
	veriew = veriew - split ()
	review = see [18 Stemmer Stem (word) for
	word in review if word not in set (stopwards.
	words ('english'))].
-	veriew = '. join (veriew).
	corpus. append (veriew)
	# Calculate the TF-IDF.
1	from Skleam. Ceature extraction text import Tridf Vectorizer
	Cv = Tfidfrectorizer()
	x = cv. fit transfor (corpus). toarray().
	