	Rohit Kulkarni 41346 Page No.: Page No.: Page No.: Date:
	DA ASSIGNMENT 4
	TMLE Twitter Data Analysis
	PROBLEM STATEMENT: Use twitter data for sentiment analysis. The dataset is 3mb in size & has 31 962 tweets Identify the tweets which hate tweets & which are not.
	OBJECTIVES: To classify tweeks as hade tweeks or not. DUTCOMPS:
	To identify & remove hate tweek from twitter.
	SIW & HIW REQUIREMENTS: 64 Bit OS, anaconda, jupyter notebook, nItk, pandas, motplotlib, packages, keyboard, monse, monitor
3	Natural language processing (NLP) is a subfield of linguistice computer science earthicial intelligence, concerned with interactions between computer & human language in particular how to program computers to process & also analyse large amounts of natural language data.
	Stopwords are the words that are filtered out before or after the natural language data are processed.

Stemming for grammatical reasons, text can use different form at a word. There are also families of different form at a word with similar meanings derivationally related words with similar meanings derivationally related words with similar meanings of when applied to a document the result is like in original. The boy's care are different color original. The boy's care be different color original. The boy car be different color or stemmed. The boy car be different color or the boy care be different as a subject of the terms occurring in the training set & using only this subset of features in text classification.
Vectorization is the process of converting the text data into a machine readable form. vii) Accuracy of > 95% was achieved.
vii) The classification method used were Multinomial Naive Bayes Random forest, Linear Support Vector classifier
Them to lowercase, removed the @ mentions, removed number & punctuations.
Tweets were successfully classified as hate
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