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		Paulous low
	P	Jordin Hallbut (a
	Assignment (4	interest exclust.
	Title: - Sentiment Analysis	Dak of Completion: - 27/11/20
	Problem Statement: Twiffer Data Ar	onalysis. The dataset is
	3mb in Sic	e & has 31962 tweets.
	Identily the two	eets which are hate
1	tweet and	Which are not. Sa
	Head	a) Gather selevant t
datale	Learning Objectives:	
	1) Undurational text in	rousing
	a) Understand senting	neut analysis
isund 4	Learning Outcomes: - Students will	ha all I
		analysis on twitter dataset
Seption	uing classific	
	maturit	humidaex of al
()	Software Hardware Requirement: - Pythe	on libraries, DS blincix
	Librai	I trans to short to
July	Theory:	olob ginida (dala
	Santing to Application	vi) Standing: affin
'/	Sentiment Analysis:	
	It is the process of determine of writing is positive, negative or	ng whether a piece
	of writing is positive, regarde of	neutral.
	Applications:	Trans 1 To
2	understand customer's att altitud	to toursely made 10 8
0)	dervices.	products a
11	Marketers con get public opin	uon, of their manage
9	THE TOTAL OF THE T	J. Corrigany

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c)	y other critical feedback about problems in newly.
3)	Stend
a) b)	Gather relivant wells from fiviller Preprocessing (stopword removal) - Feature Entraction
d)	Feature Selection
<u>a)</u>	Gother relevant tweets Gother sample data from relevant Sources & datasets to prepare training and testing set.
	Preprocessing:
	without preprocessing there is high chance of text having roise or inconsistent data. Prenotuations, special characters, numbers are not lequired
iii) n	Removing punctuations, special characters, numbers
y) 1	Tokenize data: - split tring into token (cmalle 1224)
c) fee	ture extraction:
ii) Fh	lection of useful words is called feature entraction. vue différent features namely unigram, pigram, n-gram und of speech tags.
the second secon	egation: It may change the prio polarity of sentiment

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7	feature Seletion:
7	4 types
i)	4 types Natival language procusing Statistical
i	Statis tical de la companya del companya del companya de la compan
lii)	thustering based
iv) I	thustering based lybrid.
(U	Classification
1	Jalaset: Twitter dataset
	Result:
	Test lace
	Confusion matrix [[7373 57]
	<u>[230 3317]</u>
1	lauracy 8006: - 0.96
1	tcall score: - 0.59
	Precision score: - 0.85
# +	=1 sore :- 0.69
1	
16	inclusion: Thus 9 have understood sentiment analysis
	and how to perform it on String dataset of house
- al	and how to perform it on string dataset I have lio completed the assignment successfully.