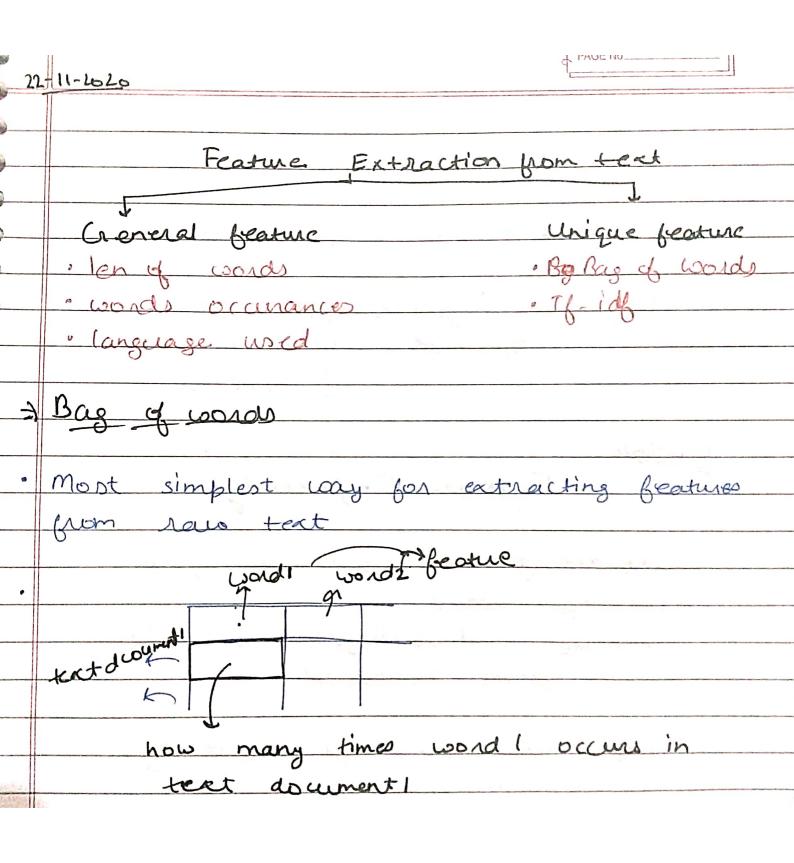
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Dasie	feature Extraction Methods.
Objectives +	
	ha a data ha al a a la d
Y.	the data based on control
and struct	
	e-processing steps in detail
	ent them to clean data
vercuse be	eature engineering
	the similarity between text
Vi Sualize	text using word cloud
and other	visualization techniques.
Types of	Data
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( alcaonina	Categorizing data by structur
	Data
	Semi-structured.
Structue	<u>a</u> <u></u>
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Categoring	Data by Content.
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3	Cleaning Text Data
	Art of extracting meaninged portions from data by remoring unnecessary portions.
•	Regular expression  Expressions which help searches  Gos a pattern in text data.
•	Types of Tokenizees:
ii) Tiil Iv)	Tweet tokineser: used to need  mwE tokinese: muti-word texpression  Regular expression tolchizer: Woes RE  word Punct tokenizer
•	Stemming & Converting woords to  their base. Govern. stems.  Reg exp Stemmer.  Poster stemmer.



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TF-IDF

(Term (prequency-inverse document (peg))

. Road model and not conveyed how much information a given word is conveying.

. TET DE to a method of representing went data in a matrix format using humbers that quantity how much importantion these terms carry in the given does.

le bor a given term j jin a

document i,

tb(j) = # time j appears in i = tf i of (j) = logio (N/dbj)

( ob j = tt document in which j appears) 11-12-2620 France Engineering · Extracting new beatines from existing one's. two given sentences are This can be calculated by 1) Cosine similarity wood angle blu the rectal representations of 2 texts. ii) Jaccard similarity It common towns / It total tours