Assignment -5

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* Aim: Sentiment Analysis Using NLT4/ watson-Tone analyzer

+ Objectives:

Tone analyzer API.

To learn concepts of sentiment

analysis using NLTK.

* Theory:

IBM Watson Tone Analyzer APJ:

The IBM Watson Tone Analyzer service

uses linguistic analysis to detect emotional

and language tones in written text.

· Watson Tore Analyzer Features:

-) conduct social listening:

Analyze emotions and tones in what

people write online like tweets or reviews

Predict whether they are happy, sad,

confident and more.

- Penhance Customer Service:

 Monitor Customer Service and support

 conversations so you can respond to your

 customers appropriately and at scale

 see if customers are satisfied or trustrat

 and if agents are polite and sympathets
- -) Integrate with chatbots:

 Enable your chatbot to detect customer

 to nes so you can build dialog strategies

 to adjust the conversation accordingly.
- · Watson Tone Service Methods!
- -) Analyze General Tone: tone analyzer tome
- -) Analyze (ustomer-engagement tom:
 tonc-analyzer.tom-chat().



- * Algorithm:
- i) Be cord voice statement
- ii) convert voice statement to text.
- (ii) Feed teat to tone analyzerc) Function it
 (iv) Parse Ison and output relevant result.
- * Platform: 64-bit Open Source Linux, JBM watson Cloud, Json.
- * Input: Text documents, news article, tweets

 custome reviews.
- + output: Analysis of input text to various
 senjiments / tones.
- * conclusion: Hence learned the concepts of sentiment analysis using IBM watson analyzer APJ and NLTK.

- * FAGs:
- 1) List the various sentiments Aones analyzer API?

 by JBH Watson Tone analyzer API?
- -) Toms such as frustration, satisfaction,
 excitement, politeness, impoliteness, sating
 and sympathy are some of important to
 detect sentiment of Ione analyzes API.
- 2) List different NLTK modules used in sentiment analysis?
 - -) Modules Such as Sklearn classifier, tokenize,
 classify and corpus (to use the corpus
 files that are distributed in the NLTH
 corpus package?