

Cognitive Computing, & NLP

Assignment I

Problem Statement : Sentiment Analysis using NLTK /
Watson - Tom Analyzer

Objectives :

- 1) To study and explore IBM Watson Tom Analyzer API
- 2) To learn Sentiment analysis using NLTK

Theory :

The IBM Watson Tom analyzer service uses linguistic analysis to detect emotional and language tone in written text. This works on both document and sentence levels.

Method :

- 1) Analyze general tone (GET) : On the general purpose endpoint to analyze the tone of your input content

2) Analyze general tone : Use general purpose endpoint to analyze the tone of your input content.

3) Analyze customer-engagement tone : Use the customer-engagement endpoint to analyze the tone of customer service and customer support conversations.

Features :

- Conduct social listening
- Enhance customer service
- Integrate with chatbots.

Platform : 64-bit open source Linux , IBM Watson cloud & JSON.

Input : Text documents, news articles, tweets and customer reviews.

Output : Analysis of input text to various sentiment and tone.

Conclusion : Here, learned the concept of sentiment analysis using IBM Watson tone analyzer.

F.A.Qs

Question 1

=> ~~1x~~ Watson Tone Analyzer analyzes :

- 1> Emotions
- 2> Social Tendencies
- 3> Language style

Some Emotions that are recognized are Anger,)

Question 2

=> NLTK Corpus

=> NLTK Tokenizer