Assignment - 3

☆ **Problem statement :-**

Watson Natural Language understanding API. write a program that reads several news articles online & tells what user what category the article is about. It should sort and move to the specified folder accordingly.

☆ **Objecties :-**

- To study & explore IBM watson NLU API
- To learn concepts of text analysis & sentiments analysis & classification

☆ **Theory :-**

- IBM watson NLU API:

To conceptulate a user IBM watson Natural language understanding is used to analyze the text to extract metadata from content each as concepts keywords, categories etc.

→ Features of text analysis

1) Summary of text your readers may not know what data is to be interpreted, text analysis encase the way user can break a data 4 use it.

2) It helps to attain a better attention to a reader

3) Provides a clean interpretation or judgement.

4) Uses a resonable support for your conclusions.

- classification :-
  proper text tagging or text categorisation is the process of categorising text into origir organised groups by using NLP, text classifiers can automatically analyse text 4 then assign a set or predefined tags on its content

- platform :- 64 bit OS linux, IBM watson cloud, JSON.

- Input :- text document news, articles, online blogs, etc.

- output :- classification of input files in different categories.

☆ conclusion :-
     Hence, we learned the concepts of text analysis & sentiment analysis & classified input document in respective category using IBM watson.

FAQ

1) what is sentiment analysis ?
-) It is process of determing wheather a piece of writing is +ve, -ve or neutral.
     It helps data within large enterpris guess, public opinion, market research, monitor brand & product reputation

Q2) List different best classification algorithms used in NLP.

=) 1) Naive Bayes
2) SVM
3) Deep Learning
4) Text Classification with R.