

Assignment 3: Document Sentiment Classification

Aim: Write a program to recognize a document is positive or negative based on polarity words using suitable classification method.

Theory:

In This Practical we are figure out if a piece of text expresses positive negative feelings/ document we are assign simple method that looks for positive or negative or neutral words to this.

We are using "polarity words", which are words that clearly show positive or negative feelings.

*Polarity words:-

- 1) Define polarity words in positive words & negative words.
- 2) Count the number of positive & negative words in preprocessing document.

* Data Pre-Processing-

- 1) Convert the input document into lower case.
- 2) Split the document into individual words.

* Statement classification:-

- 1) If the Count of positive words is greater than the Count of negative words, classify the document as "positive".
- 2) If the Count of negative words is greater than the count of Positive words then, classify the document as "negative".
- 3) If the counts are equal, then classify the document as "neutral"

* Output / Result:-

Display the document classification "Like "positive", "Negative", "Neutral".

*Explanation of Code:-

- 1) Define lists of Positive & negative words.
- 2) Convert text into lower case & Split it into words.
- 3) Count positive & negative words in the text/document (input).
- 4) Determine sentiment using if else Lope whether it is positive, negative or Neutral Document.
- 5) Give the Example (input) then print the result.

Note : "Explain the code in Detailed."

*Conclusion:-

We Created a program that can Classify document sentiment based on polarity words. it's simple method that show the how computer understand the human emotions in text.