

Natural language processing (NLP) is a field of study focused on making it # possible for computers to read, understand, and generate human language. NLP is an interdisciplinary field that combines computer science, AI, and linguistics.

The process of NLP includes several steps, such as tokenization, stop word removal, stemming and lemmatization, and more. {}

In tokenization, we break down the text into individual words, phrases, symbols, or other elements.

Stop word removal involves removing commonly used words such as and, the, a, etc. that do not contribute much to the meaning of the text.

Stemming and lemmatization, on the other hand, are techniques to reduce words to their root form. After the text has been cleaned and pre -processed, it can be used for various NLP tasks such as sentiment analysis, text classification, language translation, and more !

The effectiveness of these tasks greatly depends on the quality of the pre -processing step, making it a crucial step in NLP.