NLP - > Natural Language Processing

Let’s say we need to solve some problem statements (**Like Sentiment Analysis**).

Now order to solve sentiment analysis what all we need to do.

How these topic we learn till now where does it fit in life cycle of in NLP project

sss

Dataset

Respect to data set first what we need to do

**Text Pre-Processing** Part 1- Cleaning Process

1. Tokenization
2. Lower case the world
3. Regular expression(important)

**Text Pre-Processing** Part 2- Cleaning Process

1. Stemming
2. Lemmatization
3. Stop word

**Text --🡪 Vector**

Numerical represent of text

Vector -> which will provide meaningful semantic information to text

1. One hot encoding
2. Bag of word(BOW)
3. TF IDF
4. Word2Vec
5. Avg Word2vec

**Model Training** Using ML Algorithm

Prediction