

Natural Language Processing (NLP)?

What is NLP?

- NLP stands for **Natural Language Processing**.
- Language is a central part of our day to day life, and it's so interesting to work on any problem related to languages, because it is intuitive and it is involved in daily life.

The Study of Natural Language

- People who are deeply involved in the study of language are **linguists**.
- The term '**computational linguist**' applies to a computer scientist who has enough understanding of languages, and can apply his computational skills to model different aspects of the language.
- While computational linguists address the theoretical aspect of language, NLP is nothing but the application of computational linguistics.

ELI5 for NLP

NLP is analogous to teaching a language to a child. Some of the most common tasks like understanding words, sentences, and forming grammatically and structurally correct sentences, are very natural to humans.

In NLP, some of these tasks translate to **tokenization, chunking, part of speech tagging, parsing, machine translation, speech recognition**, and most of them are still the toughest challenges for computers.

Our final goal is to turn text to numbers for algorithms.