What is Natural Language Processing (NLP)?

Natural Language Processing (NLP) is basically how you can teach machines to understand human languages and extract meaning from text.

Language as a structured medium of communication is what separates us human beings from animals. We are surrounded by text data all the time sourced from books, emails, blogs, social media posts, news and more.

Natural Language Processing is expected to be worth 30 Billion USD by 2024 with the past few years seeing immense improvements in terms of how well it is solving industry problems at scale.

Some Applications of Natural Language Processing!

Natural Language Processing (NLP) today powers many key real-life industry applications, such as:

- Language Translation
- Dialog Systems / Chatbots
- Sentiment Analysis
- Text Summarizers
- Speech Recognition
- Autocorrect

Course Link - https://courses.analyticsvidhya.com/courses/Intro-to-NLP

Course curriculum

1. Introduction to Natural Language Processing
2. Learn to use Regular Expressions

3. Text Processing
   - Tokenization and Text Normalization
   - Exploring Text Data
   - Part of Speech Tagging and Grammar Parsing
   - Implementing Text Pre-processing Using NLTK
   - Build a Basic ML Model for Text Classification