Week 2: Intro to NLP and Text Preprocessing

This week's motive is to build your basic understanding of NLP, and how to preprocess the text using NLP libraries like SpaCy and NLTK.

Topics:

1. Intro to NLP:

Read this article to understand what NLP is and why is it so important-
https://www.splunk.com/en_us/blog/learn/natural-language-processing-nlp.html
Watch this video to understand about NLP in brief.

▶ Natural Language Processing In 5 Minutes | What Is NLP And H…

2. NLP Pipeline:

Watch this video to understand the basic pipeline and flow of NLP tasks.

▶ NLP Pipeline: NLP Tutorial For Beginners In Python - S1 E6

Go through this article briefly to get an idea of each step of the NLP pipeline. If you don't understand the terms, it's fine as we will cover the terms in further tasks.

https://medium.com/@asjad_ali/understanding-the-nlp-pipeline-a-comprehensive-guide-828b2b3cd4e2

3. Text Preprocessing techniques:

Go through this video to understand text preprocessing techniques in NLP-

▶ Text Preprocessing | NLP Course Lecture 3

Also, check out this Kaggle tutorial to try hands-on preprocessing-
https://www.kaggle.com/code/sudalairajkumar/getting-started-with-text-preprocessing

If you have any doubts regarding any topics, then feel free to ask in the Whatsapp group