

Natural Language Processing (NLP) Course

Episode List

Introduction

- **Episode 1:** Introduction
- **Episode 2:** Why NLP is booming right now?

Foundations of NLP

- **Episode 3:** Regex for NLP
- **Episode 4:** Three Categories of Techniques for NLP
- **Episode 5:** NLP Tasks
- **Episode 6:** NLP Pipeline

Working with NLP Libraries

- **Episode 7:** SpaCy vs NLTK
- **Episode 8:** Tokenization in SpaCy
- **Episode 9:** Language Processing Pipeline in SpaCy
- **Episode 10:** Stemming and Lemmatization
- **Episode 11:** Part of Speech (POS) Tagging
- **Episode 12:** Named Entity Recognition (NER)

Text Representation Techniques

- **Episode 13:** Text Representation Basics
- **Episode 14:** Text Representation: Label & One-Hot Encoding
- **Episode 15:** Text Representation Using Bag of Words (BOW)
- **Episode 16:** Stop Words
- **Episode 17:** Text Representation Using Bag of n-Grams
- **Episode 18:** Text Representation Using TF-IDF
- **Episode 19:** Text Representation Using Word Embeddings

Word Embeddings and Vector Representations

- **Episode 20:** Word Vectors in SpaCy Overview
- **Episode 21:** News Classification Using SpaCy Word Vectors
- **Episode 22:** Word Vectors in Gensim Overview
- **Episode 23:** News Classification Using Gensim Word Vectors
- **Episode 24:** FastText Tutorial | Train Custom Word Vectors in FastText
- **Episode 25:** FastText Tutorial | Text Classification Using FastText

Applications in NLP

- **Episode 26:** Introduction to Chatbots
- **Episode 27:** End-to-End Chatbot Development

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