

Artificial Intelligence for developers

8 weekend per diventare Machine Learning Specialist



Natural Language Processing

Maurizio Atzori Università degli Studi di Cagliari atzori@unica.it

February 9-10, 2024





Outline of the course

- Intro on AI, ML and NLP
- Text Processing
- Words and Corpora
- Lexical similarity
- Language Modeling
- Text Classification
- Semantic similarity
- Knowledge Graphs
- Intro to Large Language Models

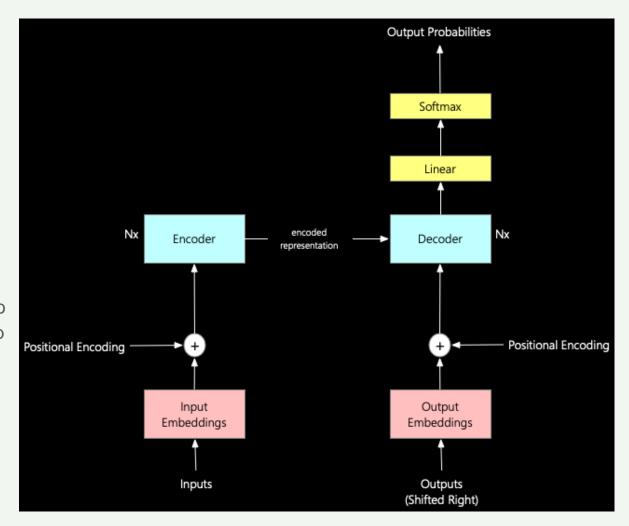




Examples using transformers

Intro to Large Language Models

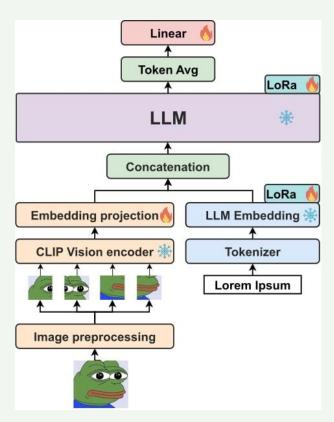
- Transformers are a specific architecture
 - Attention layer
 - n-grams encoded as tokens and each token is converted into a vector via looking up from a word embedding table



https://demon.unica.it/



https://github.com/demon-prin/Themis-SEMEVAL





Examples using transformers

Intro to Large Language Models