

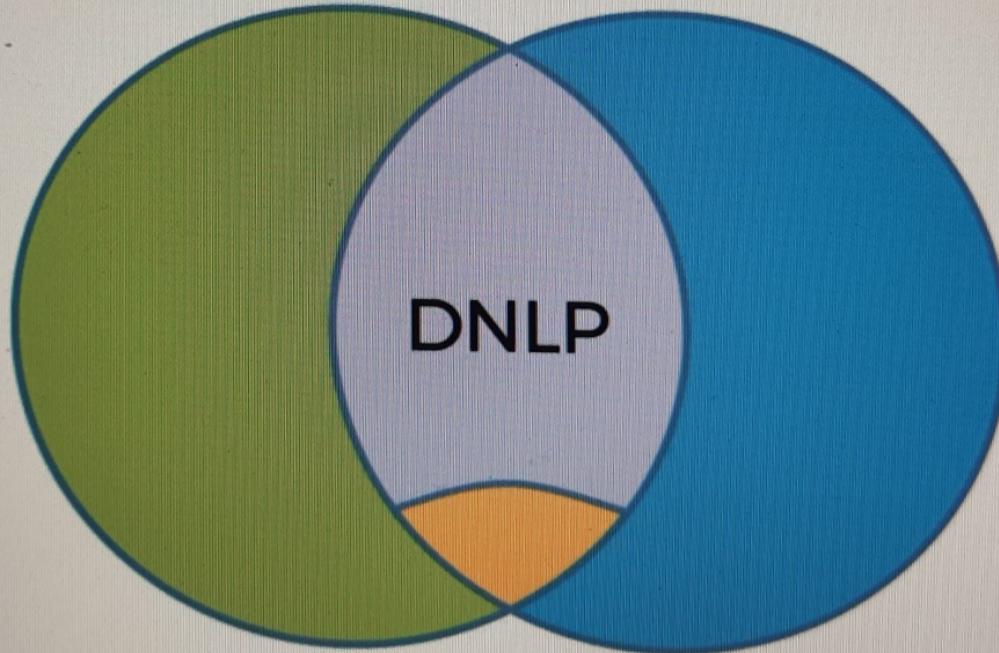
NLP Intuition

Here's what we will learn:

- Types of Natural Language Processing
- Classical vs Deep Learning Models
- Bag-Of-Words
- Note: we will not talk about Seq2Seq or Chatbots

Types of NLP

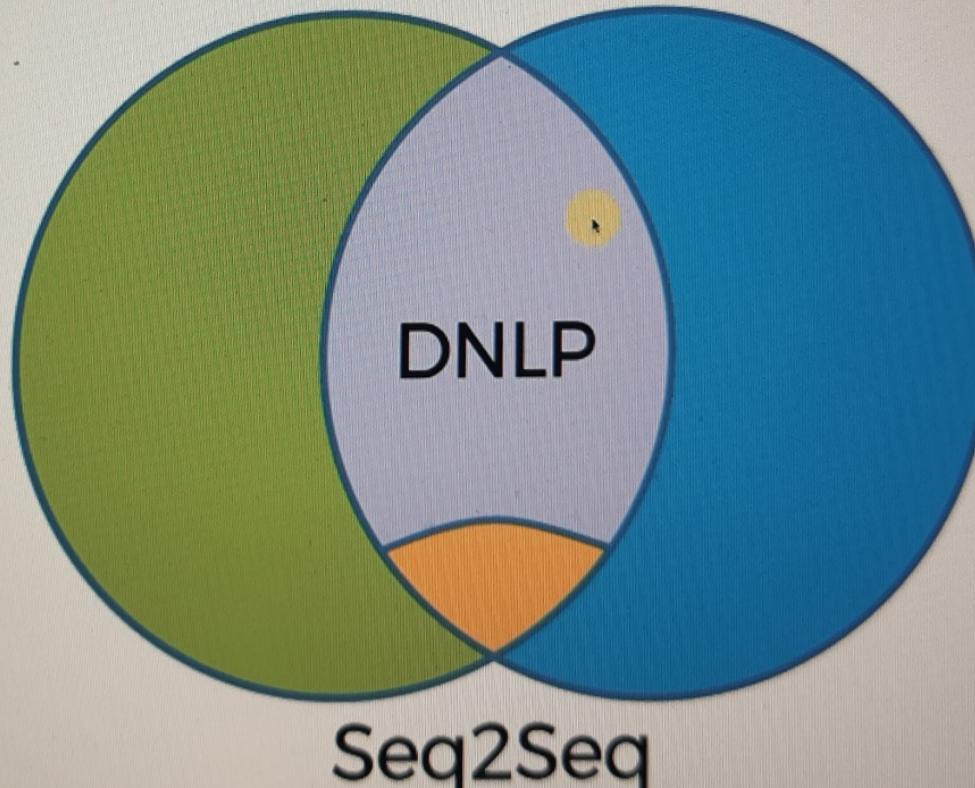
Natural
Language
Processing



Deep
Learning

Classical vs Deep Learning Models

Natural
Language
Processing



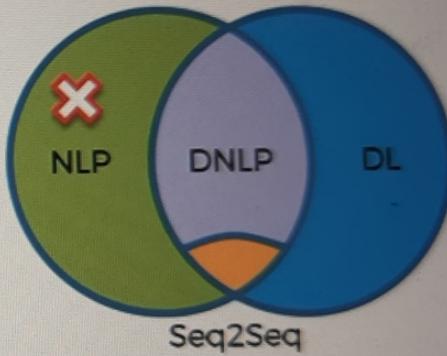
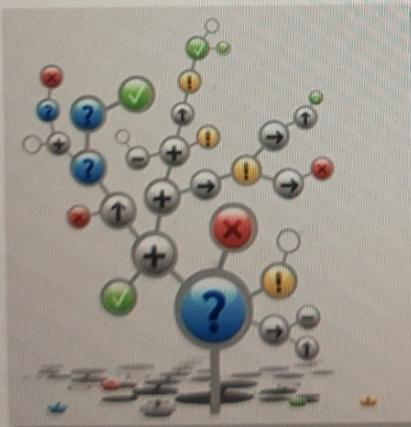
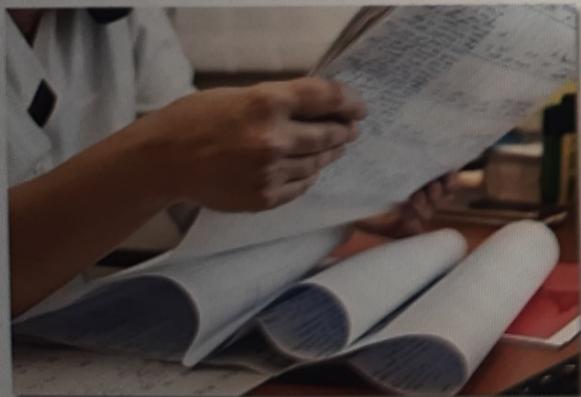
Deep
Learning

Seq2Seq

Classical vs Deep Learning Models

Some examples:

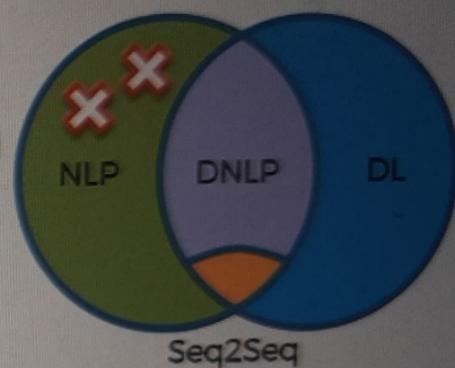
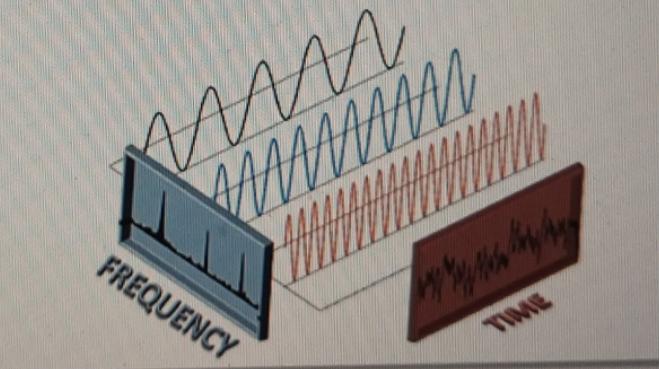
1. If / Else Rules (Chatbot)



Classical vs Deep Learning Models

Some examples:

1. If / Else Rules (Chatbot)
2. Audio frequency components analysis (Speech Recognition)



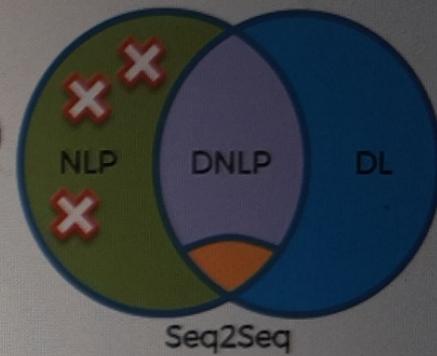
Classical vs Deep Learning Models

Some examples:

1. If / Else Rules (Chatbot)
2. Audio frequency components analysis (Speech Recognition)
3. Bag-of-words model (Classification)



Comment	Pass/Fail
Great job!	1
Amazing work.	1
Well done.	1
Very well written.	1
Poor effort.	0
Could have done better.	0
Try harder next time.	0
...	...



Classical vs Deep Learning Models

Some examples:

1. If / Else Rules (Chatbot)
2. Audio frequency components analysis (Speech Recognition)
3. Bag-of-words model (Classification)
4. CNN for text Recognition (Classification)

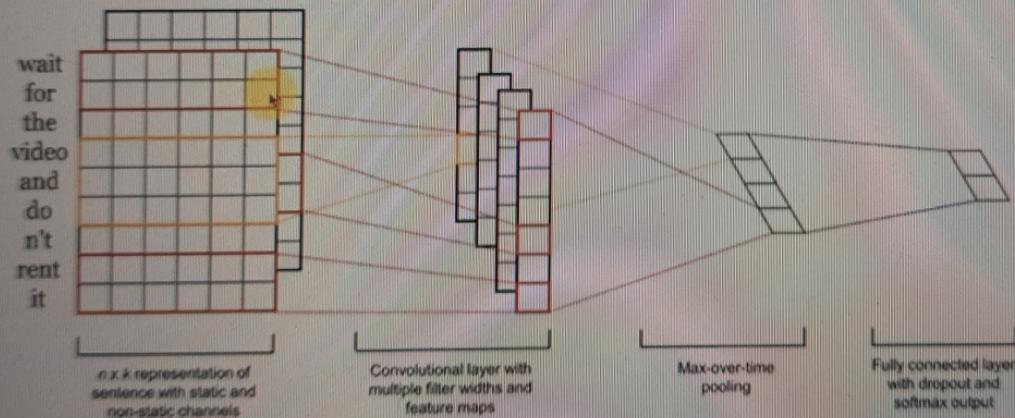
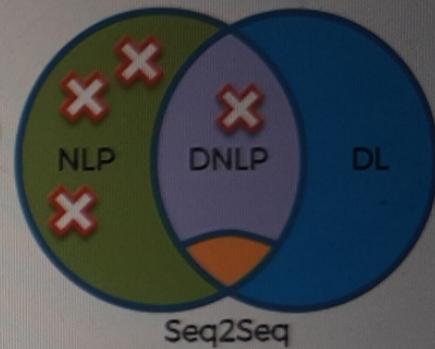


Image Source: www.wildml.com



Classical vs Deep Learning Models

Some examples:

1. If / Else Rules (Chatbot)
2. Audio frequency components analysis (Speech Recognition)
3. Bag-of-words model (Classification)
4. CNN for text Recognition (Classification)
5. Seq2Seq (many applications)

