Encoder-Decoder Models

With Attention

Material:

1. https://lena-voita.github.io/nlp_course/seq2seq_and_attention.html#enc_dec_framework

2. https://zhanghanduo.github.io/post/attention/

3. https://www.analyticsvidhya.com/blog/2020/08/a-simple-introduction-to-sequence-to-sequence-models/

4. https://machinelearningmastery.com/encoder-decoder-recurrent-neural-network-models-neural-machine-translation/

5. https://www.youtube.com/watch?v=jCrgzJlxTKg

6. https://www.youtube.com/watch?v=SysgYptB198

7. https://web.stanford.edu/~jurafsky/slp3/10.pdf (Additional Material)

Task:

Project (Choose one):

1. Text summarization using **encoder – decoder model** with **attention**

2. Machine Translation (language choice is up to you) using **encoder – decoder model** with **attention**

Directions:

- Research about your project online.

- You need to submit a Jupyter Notebook.

- Add an additional markdown cell at the end of your notebook and describe your approach in brief. Try to be as technical as possible.