Natural Language Processing (NLP)

Date - 27th Oct 2023

– Data Sc Masters 1.0 (Revision class)

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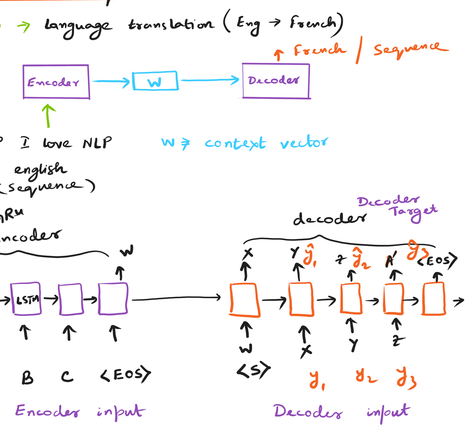
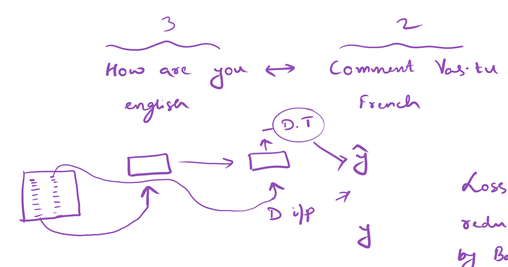
Topics → ① Seq2seq
② Hands on
③ Attention

* Sequence to Sequence

application → language translation (Eng → French)

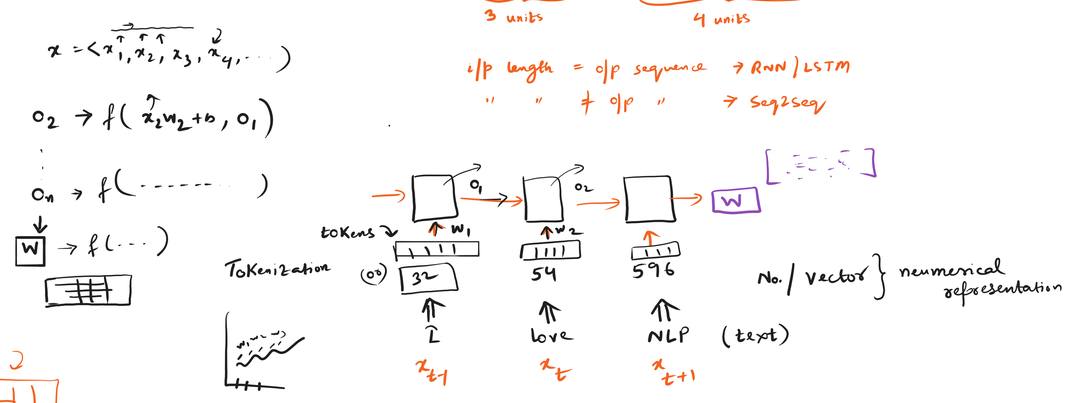


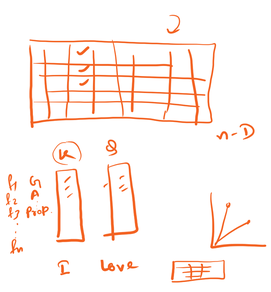


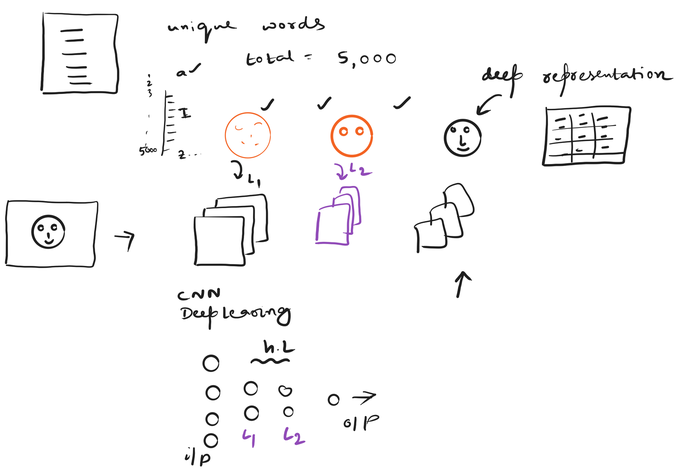
Loss = (y - ŷ)
reduce Loss/errors
by Back propagation
& adjusting weight

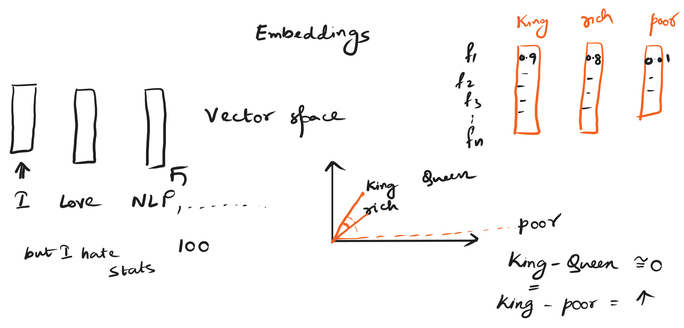
English → Hindi
I love NLP → mujhe NLP pasand hai
3 units 4 units

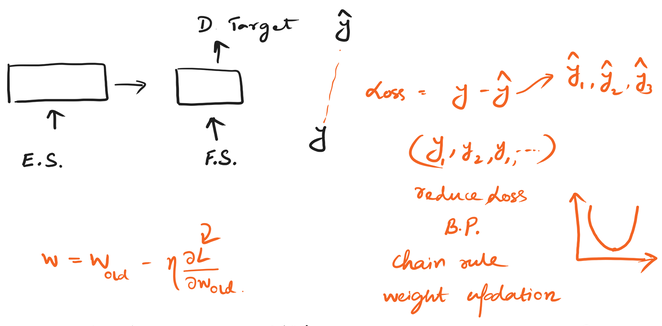
i/p length = o/p sequence → RNN/LSTM
" " ≠ o/p " → Seq2seq







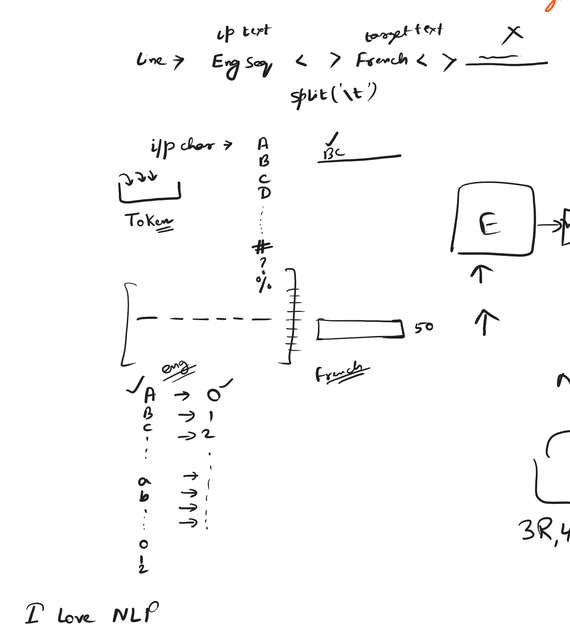


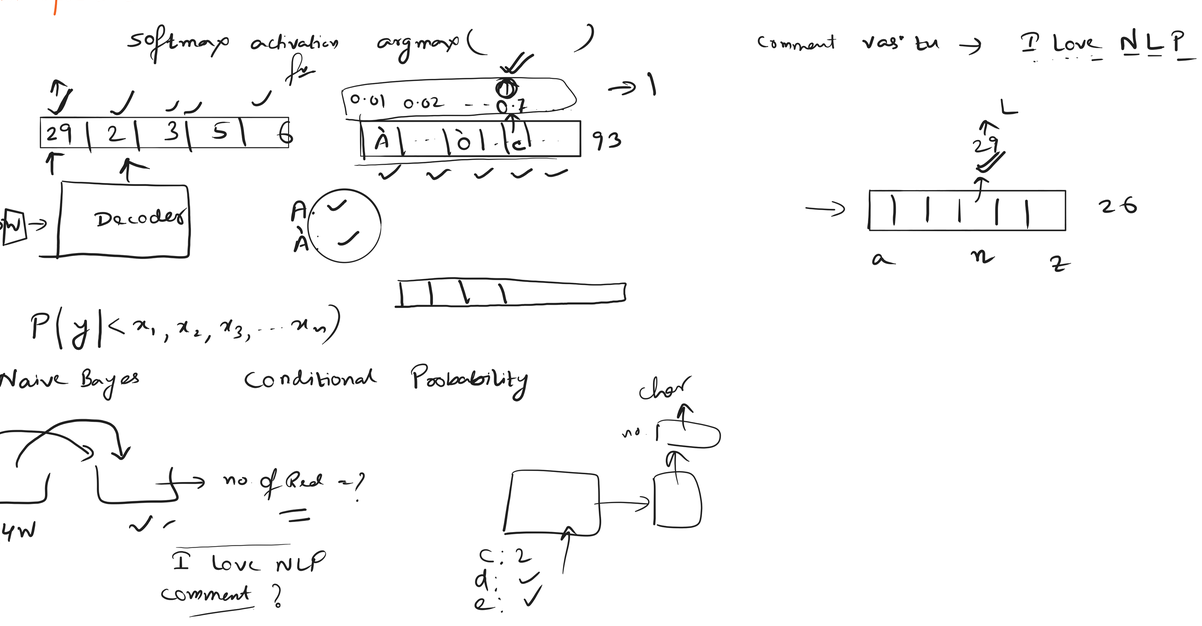


$$w = w_{old} - \eta \frac{\partial L}{\partial w_{old}}$$

char → no. → no. → char

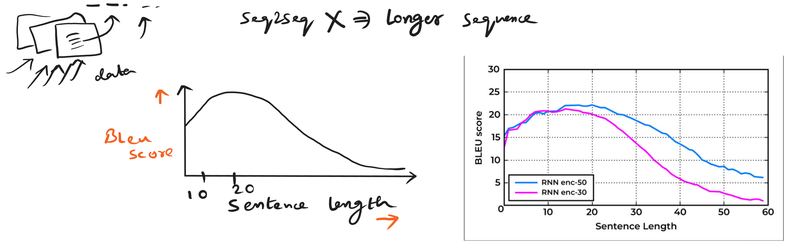
$$= \frac{e(x)}{\sum_{i=1}^{n} e(x)} = ✓$$





Problems with Encoder & Decoder/Seq2seq

Seq2seq → Transformer (Game change) ✓ → Generative AI
nlp 2017 nlp

DDD → DDDD ✓

Seq2seq X ⇒ longer sequence