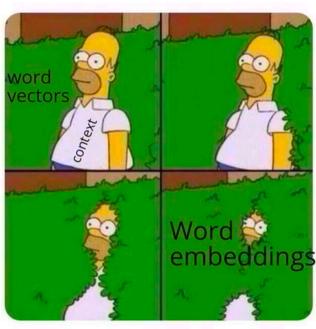
May 15, 2023.

DSML: NLP module. Word embeddings

in a nutshell

Transformers - 2.





When you penalize your Natural Language Generation model for large sentence lengths





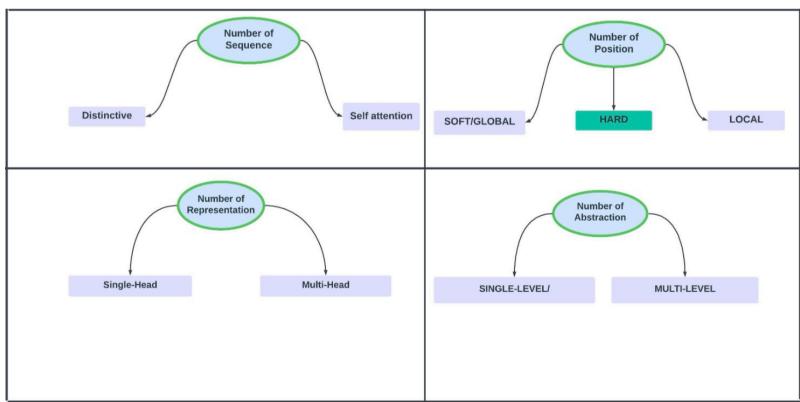
- * RNN + Attention

 → Single head attention.

 → Key: knoder hidden states.

 → Query: Alcoder hidden states.

 → Value: knoder hidden states.

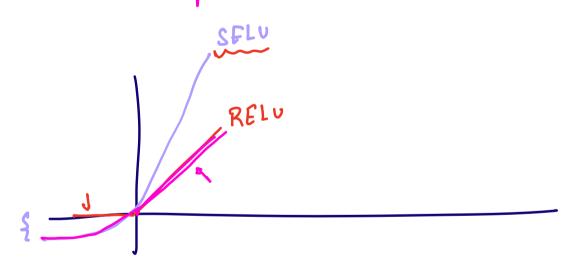


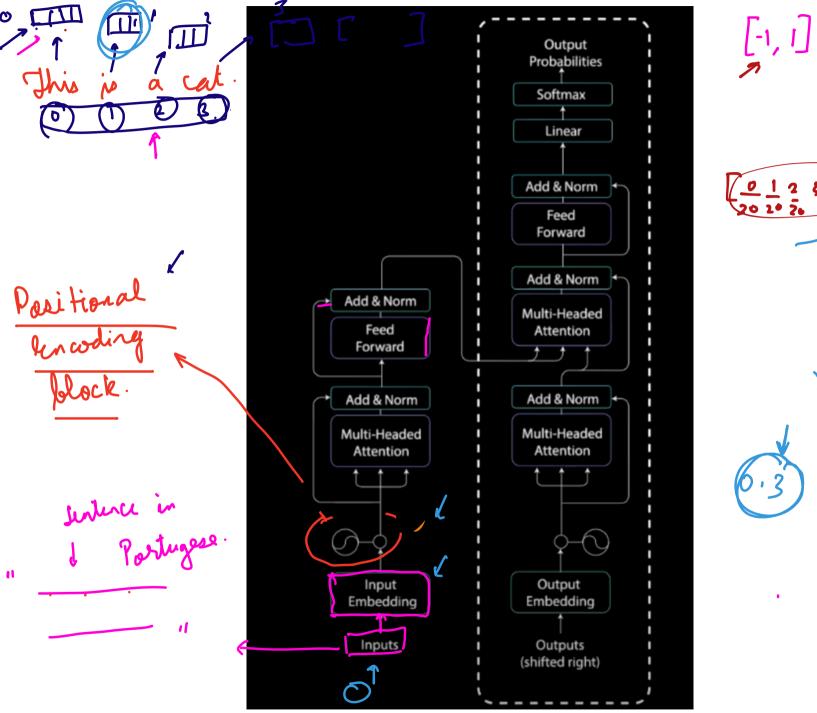
Agenda:

J Code Implementation: RNN+Attention.

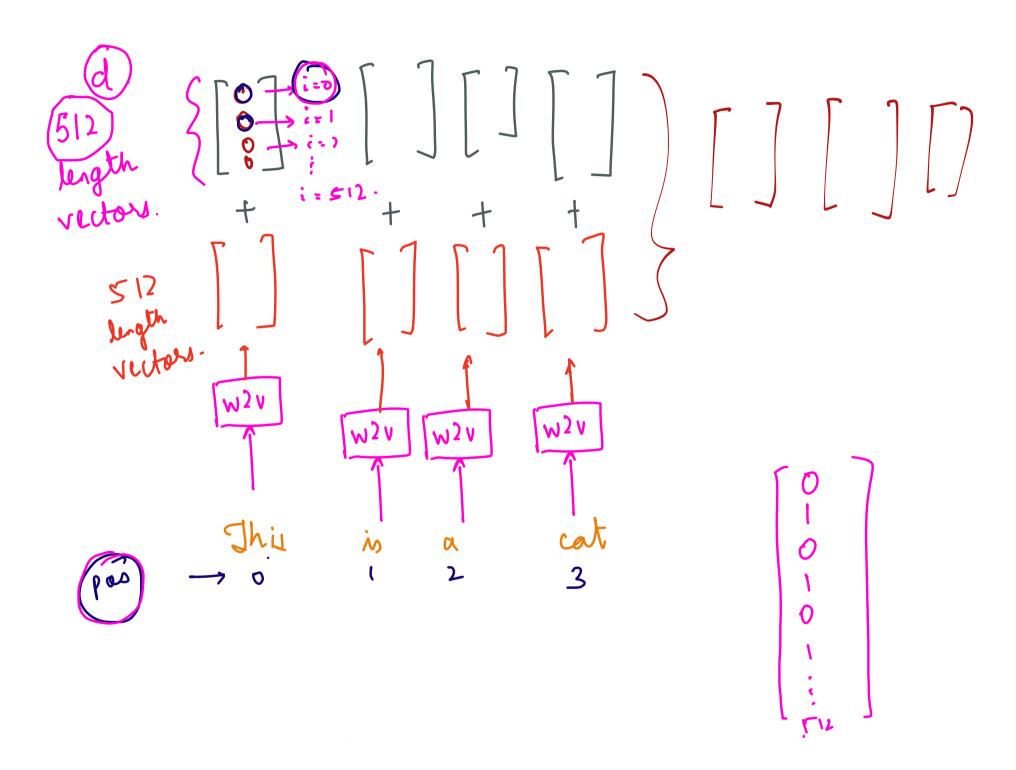
2] Transformer dechitecture.

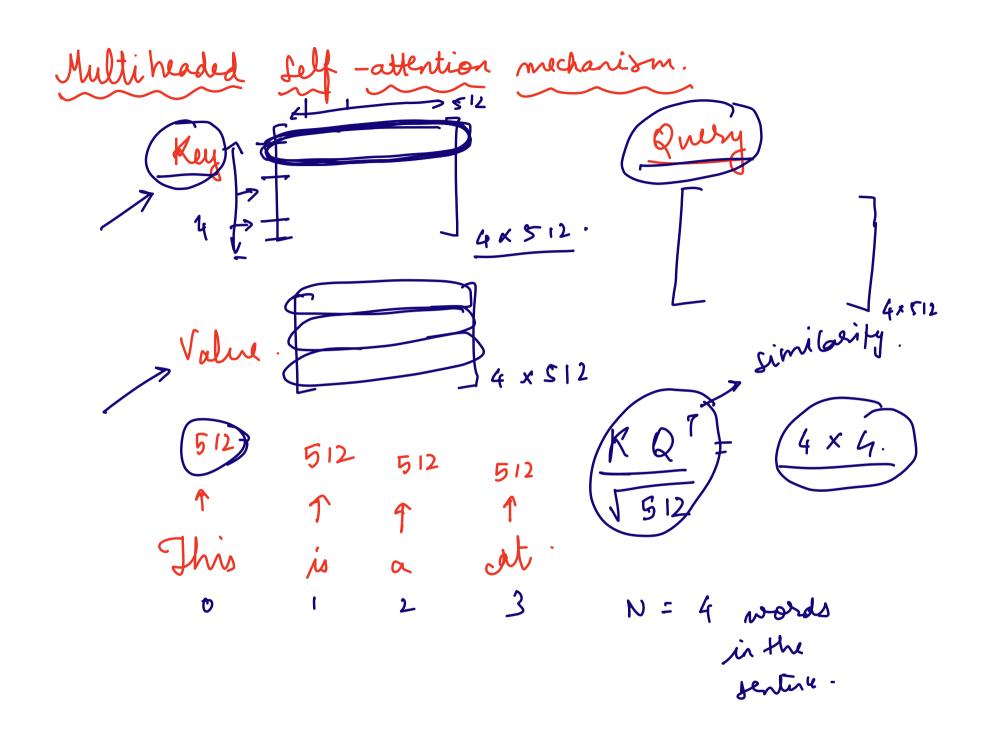
3) Transformer Implementation: Keras + TF.











Difference between single-head tell attention & multihead tell attention.

Lingle Key

Town one word 2 vec vectors.

Rey -> First pass word 2 vec outputs through a dense layer.

Then, the outputs of the dense layer is the key matrix.

