

Day 19, 25<sup>th</sup> Jan 24

NLP - DSM2.0 - by mentor Dr. Ayan Debnath,  
IIT Delhi + Harvard University Alumni

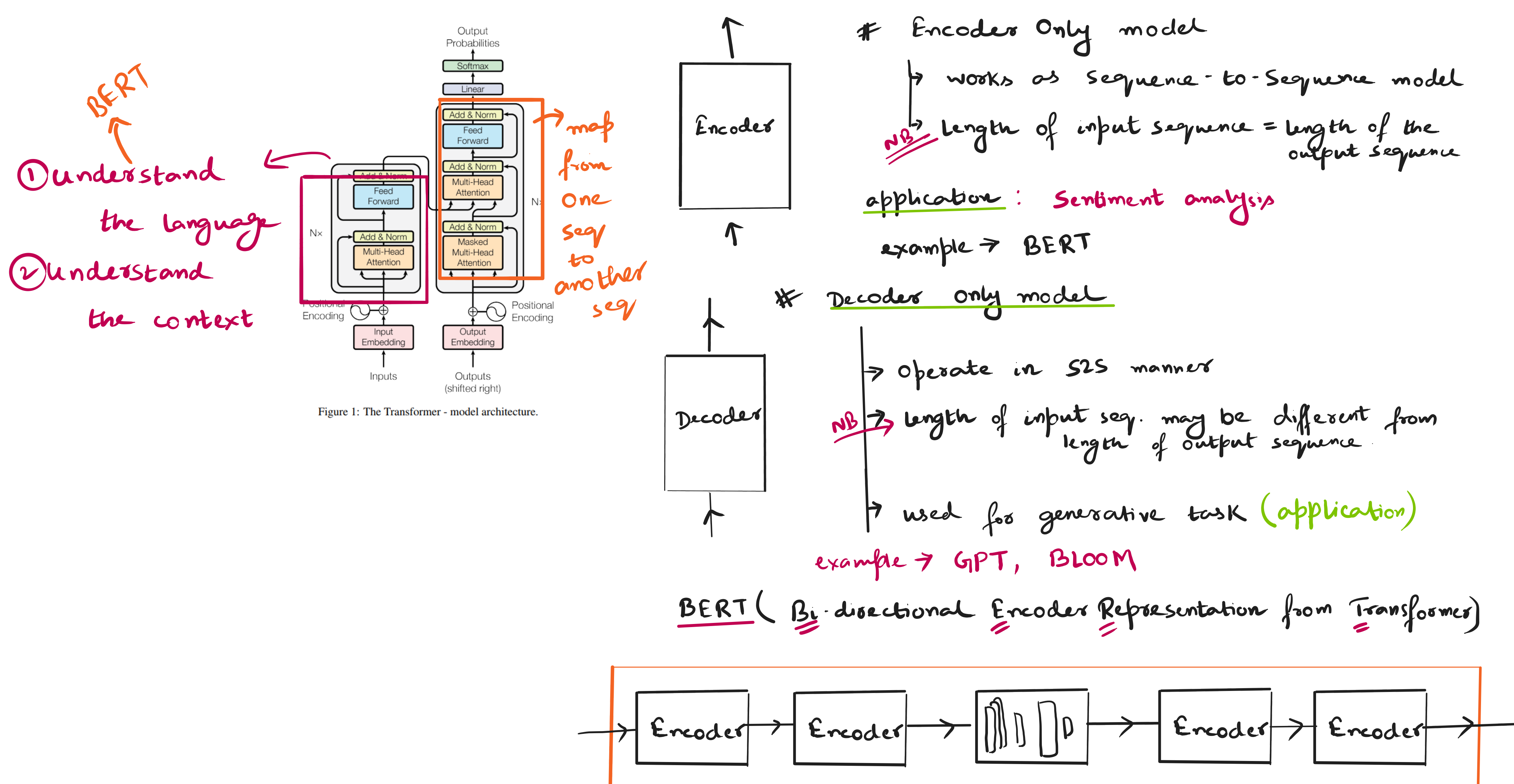
If you wish to  
connect with me -->

LinkedIn:  
<https://www.linkedin.com/in/ayan-debnath/>

YouTube tutorials for  
Data Science:  
[https://www.youtube.com/@ad\\_academy](https://www.youtube.com/@ad_academy)

Recap: ① Decoder  
② Practical Implementation of transformer

Topic -> ① Transformer - pre-trained model - coding  
② BERT



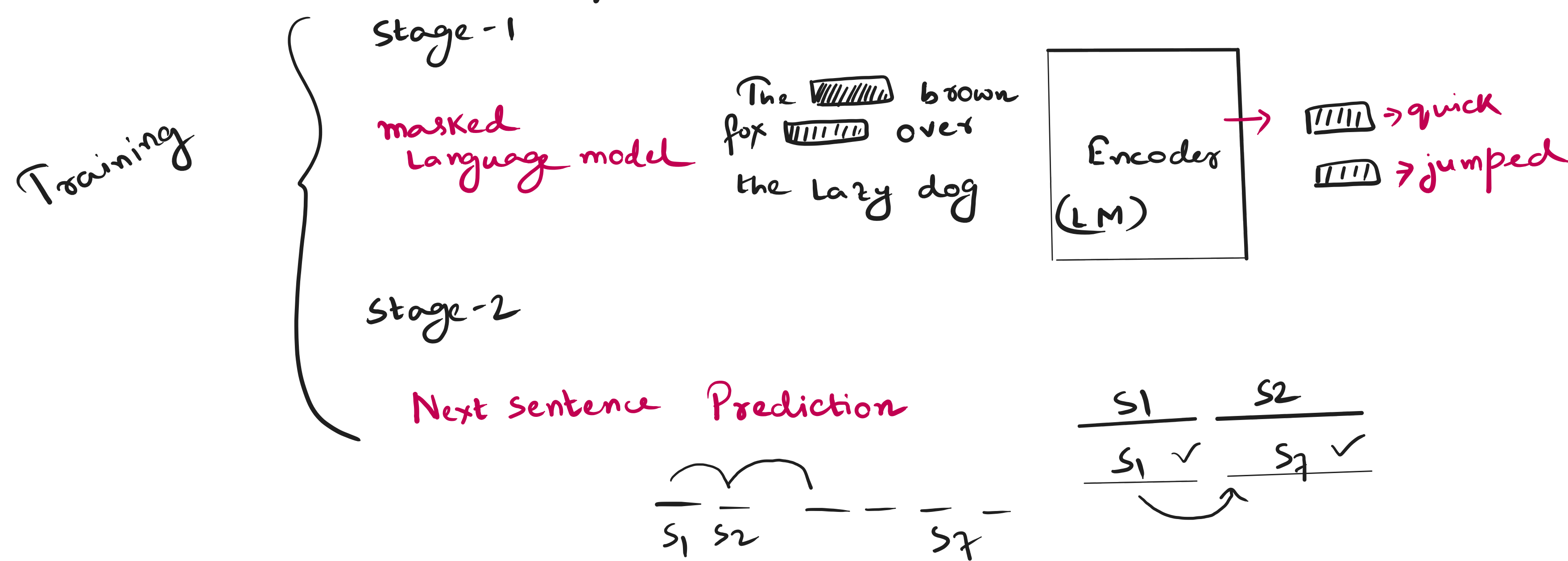
main purpose - understand the language & the context

Problems to solve

Application

- ① Sentiment analysis
- ② Text classification
- ③ Q&A

Technique: ① Overview & ② details



Concept behind stage-1

- ① few masked tokens
  - ② "un"
  - ③ masked token learns the language & context from unmasked tokens
- Context Learning



Details

