

Hide menu

Text Summarization

- ✓

Video: Week Introduction

53 sec
- ✓

Video: Transformers vs RNNs

3 min
- ✓

Reading: Transformers vs RNNs

10 min
- ✓

Video: Transformers overview

5 min
- ▶

Video: Transformer Applications

7 min

Reading: Transformer Applications
10 min

- ▶

Video: Scaled and Dot-Product Attention

3 min
- ▶

Video: Masked Self Attention

3 min
- ▶

Video: Multi-head Attention

5 min

Reading: Multi-head Attention
10 min

Lab: Attention
1h

Lab: Masking
1h

Lab: Positional encoding
1h

Video: Transformer Decoder
4 min

Reading: Transformer Decoder
10 min

Video: Transformer Summarizer
4 min

Video: Week Conclusion
34 sec

Reading: Content Resource
10 min

Lecture Notes (Optional)

Practice Quiz

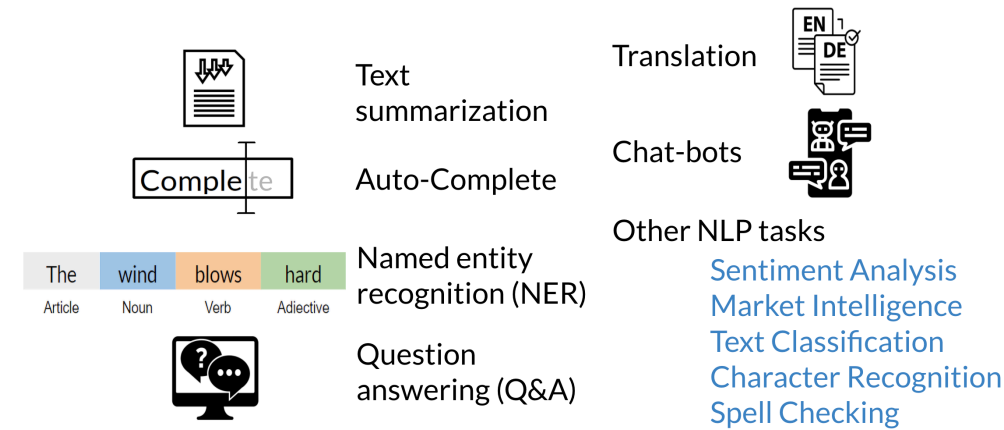
Assignment

Week 2 > Transformer Applications

PreviousNext

Transformer Applications

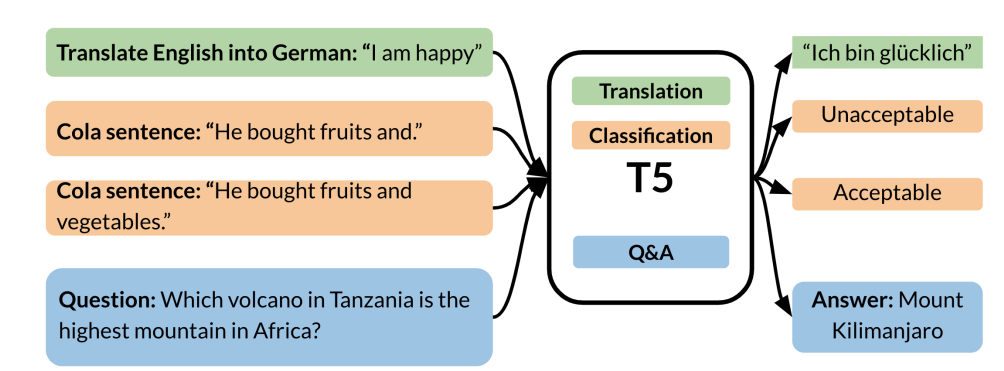
Here is a brief summary of all the different applications you can build using transformers:



It would be really cool if you can actually just go ahead and play trivia against a transformer:

<https://t5-trivia.glitch.me/> .

Another exciting area of research is the use of transfer learning with transformers. For example, to train a model that will translate English to German, you can just prepend the text "translate English to German" to the inputs that you are about to feed the model. You can then keep that same model to detect sentiment by prepending another tag. The following image summarizes the T5 model which uses this concept:



GPT, BERT, and T5 are some of the latest transformer models.

Mark as completed

Like Dislike Report an issue