

## **Question Answering**

Video: Week 3 Overview 6 min

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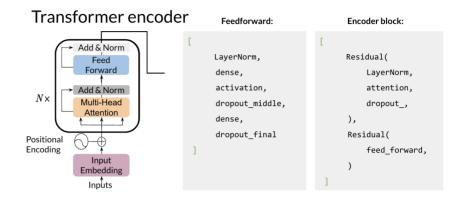
- Reading: Week 3 Overview 10 min
- Video: Transfer Learning in 7 min
- Reading: Transfer Learning 10 min
- Video: ELMo, GPT, BERT, T5
- Reading: ELMo, GPT, BERT, T5 10 min
- Video: Bidirectional Encoder Representations from Transformers (BERT)
- Reading: Bidirectional **Encoder Representations** from Transformers (BERT) 10 min
- Video: BERT Objective
- Reading: BERT Objective 10 min
- Video: Fine tuning BERT
- Reading: Fine tuning BERT 10 min
- Video: Transformer: T5 3 min
- Reading: Transformer T5 10 min
- Video: Multi-Task Training Strategy 5 min
- Reading: Multi-Task Training Strategy 10 min
- Video: GLUE Benchmark
- Reading: GLUE Benchmark 10 min
- Video: Question Answering
- Reading: Question Answering 10 min
- Lab: SentencePiece and BPE
- Reading: Content Resource 10 min

## Assignment

Programming Assignment: Question Answering 3h

## **Question Answering**

You will be implementing an encoder this week. Last week you implemented the decoder. So here it



You can see there is a feedforward and the encoder-block above. It makes use of two residual connections, layer normalization, and dropout.

## The steps you will follow to implement it are:

- Load a pre-trained model
- Process data to get the required inputs and outputs: "question: Q context: C" as input and "A"
- Fine tune your model on the new task and input
- Predict using your own model

Mark as completed





