

Question Answering

- Video:** Week 3 Overview
6 min
- Reading:** Week 3 Overview
10 min
- Video:** Transfer Learning in NLP
7 min
- Reading:** Transfer Learning in NLP
10 min
- Video:** ELMo, GPT, BERT, T5
7 min
- Reading:** ELMo, GPT, BERT, T5
10 min
- Video:** Bidirectional Encoder Representations from Transformers (BERT)
4 min
- Reading:** Bidirectional Encoder Representations from Transformers (BERT)
10 min
- Video:** BERT Objective
2 min
- Reading:** BERT Objective
10 min
- Video:** Fine tuning BERT
2 min
- 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
2 min
- Reading:** GLUE Benchmark
10 min
- Video:** Question Answering
2 min
- Reading:** Question Answering
10 min
- Lab:** SentencePiece and BPE
2h
- Reading:** Content Resource
10 min

Assignment

- Programming Assignment:** Question Answering
3h

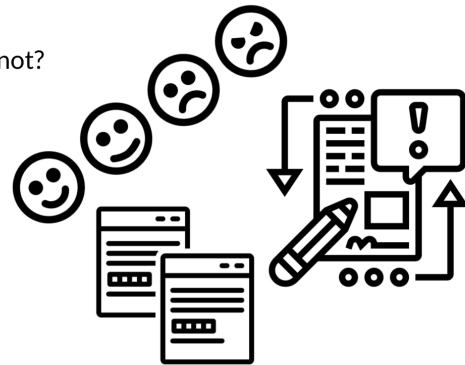
GLUE Benchmark

General Language Understanding Evaluation (GLUE) is contains:

- A collection used to train, evaluate, analyze natural language understanding systems
- Datasets with different genres, and of different sizes and difficulties
- Leaderboard

Tasks Evaluated on

- Sentence grammatical or not?
- Sentiment
- Paraphrase
- Similarity
- Questions duplicates
- Answerable
- Contradiction
- Entailment
- Winograd (co-ref)



Currently T5 is state of the art according to this GLUE benchmark and you will be implementing it for homework this week! This GLUE bench mark is used for research purposes, it is model agnostic, and relies on models that make use of transfer learning.

Mark as completed

