



Overview

Week 1

Week 2

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Grades

Notes

Discussion Forums

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Course Info

Week 3

Natural Language Processing with Attention Models

Week 3

Discuss the topic here.

8 threads · Last post 6 hours ago

Go to forum

Question Answering



Explore transfer learning with state-of-the-art models like T5 and BERT, then build a model that can answer questions.

Key Concepts

- Gain intuition for how transfer learning works in the context of NLP
- Identify two approaches to transfer learning
- Discuss the evolution of language models from CBOW to T5 and Bert
- Fine-tune BERT on a dataset
- Implement context-based question answering with T5
- Interpret the GLUE benchmark

Less

Question Answering



Video: Week 3 Overview 6 min

Resume



Video: Transfer Learning in NLP 7 min



Video: ELMo, GPT, BERT, T5 7 min



Video: Bidirectional Encoder Representations from Transformers (BERT) 4 min



Video: BERT Objective 2 min



Video: Fine tuning BERT 2 min



Video: Transformer: T5 3 min



Video: Multi-Task Training Strategy 5 min



Video: GLUE Benchmark 2 min



Video: Question Answering 2 min



Lab: SentencePiece and BPE 2h



Reading: Content Resource 10 min

Assignment



Programming Assignment: Question Answering 3h Due Oct 26, 1:59 AM CDT



Lab: BERT Loss 30 min



Lab: T5 30 min

