



Overview

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Course Info

Week 3

Natural Language Processing with Sequence Models

Week 3

Discuss the topic here.

29 threads · Last post 8 hours ago

Go to forum

LSTMs and Named Entity Recognition



Learn about how long short-term memory units (LSTMs) solve the vanishing gradient problem, and how Named Entity Recognition systems quickly extract important information from text. Then build your own Named Entity Recognition system using an LSTM and...

More

Key Concepts

- Vanishing gradients
- Named entity recognition
- LSTMs
- Feature extraction
- Part-of-speech tagging
- Data generators

Less

LSTMs and Named Entity Recognition

Video: RNNs and Vanishing Gradients 5 min

Resume

Reading: (Optional) Intro to optimization in deep learning: Gradient Descent 10 min

Lab: Lecture Notebook: Vanishing Gradients 15 min

Video: Introduction to LSTMs 4 min

Reading: (Optional) Understanding LSTMs 10 min

Video: LSTM Architecture 3 min

Video: Introduction to Named Entity Recognition 3 min

Video: Training NERs: Data Processing 4 min

Reading: Long Short-Term Memory (Deep Learning Specialization C5) 10 min

Video: Computing Accuracy 1 min

Assignment w3

Programming Assignment: Named Entity Recognition (NER) 3h Due Oct 12, 1:59 AM CDT

