deeplearning.ai

Overview

Week 1
Week 2
Week 3
Week 4

Grades

Notes

Discussion Forums

Messages

Course Info

Week 1

Natural Language Processing in TensorFlow

Week 1

Discuss this week's modules here.

289 threads · Last post 2 hours ago

Go to forum

Sentiment in text

👤 Laurence Moroney

The first step in understanding sentiment in text, and in particular when training a neural network to do so is the tokenization of that text. This is the process of converting the text into numeric values, with a number representing a word or a character. This week you'll learn about the Tokenizer and pad_sequences APIs in TensorFlow and how they can be used to prepare and encode text and sentences to get them ready for training neural networks!

⌃ **Less**

Introduction

▶ **Video:** Introduction, A conversation with Andrew Ng   1 min   Resume

Sentiment in text

▶ **Video:** Introduction   1 min

▶ **Video:** Word based encodings   2 min

▶ **Video:** Using APIs   2 min

📖 **Reading:** Check out the code!   10 min

▶ **Video:** Notebook for lesson 1   2 min

▶ **Video:** Text to sequence   3 min

▶ **Video:** Looking more at the Tokenizer   1 min

▶ **Video:** Padding   2 min

📖 **Reading:** Check out the code!   10 min

▶ **Video:** Notebook for lesson 2   4 min

▶ **Video:** Sarcasm, really?   2 min

▶ **Video:** Working with the Tokenizer   1 min

📖 **Reading:** News headlines dataset for sarcasm detection   10 min

📖 **Reading:** Check out the code!   10 min

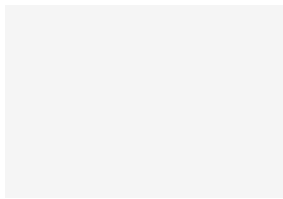▶ **Video:** Notebook for lesson 3   3 min

📋 **Quiz:** Week 1 Quiz   8 questions   Due Nov 9, 1:59 AM CST

▶ **Video:** Week 1 Wrap up   21 sec

Weekly Exercise- Explore the BBC News Archive

Ungraded External Tool: Exercise 1- Explore the BBC news archive 1h

Ungraded External Tool: Exercise 1 Answer- Explore the BBC news archive 1h

Ungraded External Tool: Exercise 1- Explore the BBC news archive 1h

Ungraded External Tool: Exercise 1 Answer- Explore the BBC news archive 1h