deeplearning.ai

Overview

Week 1

Week 2

Week 3

Week 4

Grades

Notes

Discussion Forums

Messages

Course Info

Week 3

Sequences, Time Series and Prediction

Week 3

Discuss this week's modules here.

156 threads · Last post 8 days ago

Go to forum

Recurrent Neural Networks for Time Series

👤 Laurence Moroney

Recurrent Neural networks and Long Short Term Memory networks are really useful to classify and predict on sequential data. This week we'll explore using them with time series...

Recurrent Neural Networks for time series

▶ **Video:** Week 3 - A conversation with Andrew Ng 3 min   Resume

▶ **Video:** Conceptual overview 2 min

▶ **Video:** Shape of the inputs to the RNN 2 min

▶ **Video:** Outputting a sequence 1 min

▶ **Video:** Lambda layers 1 min

▶ **Video:** Adjusting the learning rate dynamically 2 min

📖 **Reading:** More info on Huber loss 10 min

▶ **Video:** RNN 1 min

📖 **Reading:** RNN notebook 10 min

▶ **Video:** LSTM 1 min

📖 **Reading:** Link to the LSTM lesson 10 min

▶ **Video:** Coding LSTMs 2 min

▶ **Video:** More on LSTM 1 min

📖 **Reading:** LSTM notebook 10 min

📋 **Quiz:** Week 3 Quiz 8 questions   Due Nov 30, 1:59 AM CST

📖 **Reading:** Week 3 Wrap up 10 min

Weekly Exercise- Mean Absolute Error

🔗 **Ungraded External Tool:** Exercise 3 - Mean Absolute Error 1h

🔗 **Ungraded External Tool:** Exercise 3 Answer - Mean Absolute Error 1h

❓