

Real-world time series data

Video: Week 4 - A conversation with Andrew Ng

1 min

Video: Convolutions

58 sec

Reading: Convolutional neural networks course

10 min

Video: Bi-directional LSTMs

3 min

Reading: More on batch sizing

10 min

Video: LSTM

1 min

Reading: LSTM notebook

10 min

Video: Real data - sunspots

3 min

Video: Train and tune the model

3 min

Video: Prediction

1 min

Video: Sunspots

1 min

Reading: Sunspots notebook

10 min

Video: Combining our tools for analysis

3 min

Quiz: Week 4 Quiz

8 questions

Weekly Exercise - Sunspots

Course 4 Wrap up

TensorFlow in practice has come to an end

Congratulations! You passed!

QUIZ

TO PASS 80% or higher

Keep Learning

GRADE

100%

Week 4 Quiz

Week 4 Quiz

LATEST SUBMISSION GRADE

100%

Submit your assignment

DUE DATE Oct 5, 12:29 PM IST

ATTEMPTS 3 every 8 hours

Try again

1. How do you add a 1 dimensional convolution to your model for predicting time series data?1 / 1 point

Receive grade

TO PASS 80% or higher

Use a 1DConv layer type

Use a 1DConvolution layer type

Use a Convolution1D layer type

Use a Conv1D layer type

Correct

2. What’s the input shape for a univariate time series to a Conv1D?1 / 1 point

[1, None]

[None, 1]

[]

[1]

Correct

3. You used a sunspots dataset that was stored in CSV. What’s the name of the Python library used to read CSVs?1 / 1 point

PyFiles

CSV

PyCSV

CommaSeparatedValues

Correct

4. If your CSV file has a header that you don’t want to read into your dataset, what do you execute before iterating through the file using a ‘reader’ object?1 / 1 point

reader.read(next)