



## 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



# More on batch sizing

Please find more information [here](#)

✓ Complete

Go to next item

