

Deep Neural Networks for Time Series

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Video: A conversation with Andrew Ng

1 min

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Video: Preparing features and labels

4 min

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Video: Preparing features and labels

3 min

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Reading: Preparing features and labels notebook

10 min

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Reading: Sequence bias

10 min

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Video: Feeding windowed dataset into neural network

2 min

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Video: Single layer neural network

2 min

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Video: Machine learning on time windows

37 sec

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Video: Prediction

2 min

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Video: More on single layer neural network

2 min

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Reading: Single layer neural network notebook

10 min

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Video: Deep neural network training, tuning and prediction

4 min

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Video: Deep neural network

3 min

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Reading: Deep neural network notebook

10 min

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Quiz: Week 2 Quiz

9 questions

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Reading: Week 2 Wrap up

10 min

Weekly Exercise - Create Synthetic Data and predict with a DNN

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Sequence bias

Sequence bias is when the order of things can impact the selection of things. For example, if I were to ask you your favorite TV show, and listed "Game of Thrones", "Killing Eve", "Travellers" and "Doctor Who" in that order, you're probably more likely to select 'Game of Thrones' as you are familiar with it, and it's the first thing you see. Even if it is equal to the other TV shows. So, when training data in a dataset, we don't want the sequence to impact the training in a similar way, so it's good to shuffle them up.

Mark as completed

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