Back

Week 4 Quiz
Graded Assignment • 30 min

English Due Jun 22, 10:59 PM CST

Your grade: 100%

Your latest: 100% • Your highest: 100%
To pass you need at least 80%. We keep your highest score.

Next item →

1. 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

- py_files
- csv
- CommaSeparatedValues
- py_csv

Correct

2. Why is MAE a good analytic for measuring accuracy of predictions for time series? 1 / 1 point

- It biases towards small errors
- It only counts positive errors
- It punishes larger errors
- It doesn't heavily punish larger errors like square errors do

Correct

3. What is the expected input shape for a univariate time series to a Conv1D? 1 / 1 point

- (1,)
- (1, window_size)
- (window_size, 1)
- ()

Correct

4. When you read a row from a reader and want to cast column 2 to another data type, for example, a float, what's the correct syntax? 1 / 1 point

- Convert.toFloat(row[2])
- You can't. It needs to be read into a buffer and a new float instantiated from the buffer
- float f = row[2].read()
- float(row[2])

Correct

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

- Use a Convolution1D layer type
- Use a Conv1D layer type
- Use a 1DConvolution layer type
- Use a 1DConv layer type

Correct

6. 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)
- reader.next
- reader.ignore_header()
- next(reader)

Correct

7. After studying this course, what neural network type do you think is best for predicting time series like our sunspots dataset? 1 / 1 point

- DNN
- RNN / LSTM
- A combination of all other answers
- Convolutions

Correct