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TO PASS 80% or higher

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GRADE
100%

Week 4 Quiz

LATEST SUBMISSION GRADE
100%

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

- (•) Use a Conv1D layer type
- ( ) Use a Convolution1D layer type
- ( ) Use a 1DConvolution layer type
- ( ) Use a 1DConv layer type

✓ Correct

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

- ( ) [1, None]
- ( ) [1]
- ( ) []
- (•) [None, 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

- ( ) PyCSV
- ( ) CommaSeparatedValues
- ( ) PyFiles
- (•) CSV

✓ 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

- (●) next(reader)
- ( ) reader.next
- ( ) reader.read(next)
- ( ) reader.ignore_header()

✓ Correct

5. 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

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

✓ Correct

6. What was the sunspot seasonality? 1 / 1 point

- ( ) 22 years
- ( ) 4 times a year
- ( ) 11 years
- (●) 11 or 22 years depending on who you ask

✓ 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
- ( ) Convolutions
- (●) A combination of all of the above
- ( ) RNN / LSTM

✓ Correct

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

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

✓ Correct