Quiz_C4W4

Congratulations! You passed!

Grade received 100%	Latest Submission Grade 100%	To pass 80% or higher

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

- (●) **Use a Conv1D layer type**
- ( ) **Use a 1DConv layer type**
- ( ) **Use a 1DConvolution layer type**
- ( ) **Use a ConvolutionD1 layer type**

Correct

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

- ( ) **[1]**
- ( ) **[1, None]**
- ( ) **[]**
- (●) **[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?**

- ○ CommaSeparatedValues
- ○ PyFiles
- ○ PyCSV
- ◉ 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?**

- ○ reader.ignore_header()
- ○ reader.read(next)
- ○ reader.next
- ◉ next(reader)

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?

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

✓ Correct

6. What was the sunspot seasonality?

- ○ 11 years
- ○ 4 times a year
- ◉ 11 or 22 years depending on who you ask
- ○ 22 years

✓ Correct

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

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

✓ **Correct**

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

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

✓ **Correct**