

✓ Congratulations! You passed!

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

1 / 1 point

- ☐ Use a 1DConvolution layer type
- ☐ Use a ConvolutionD1 layer type
- ☒ Use a Conv1D 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]
- ☐ [1, None]
- ☐ []

✓ 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

- ☐ PyFiles
- ☒ CSV
- ☐ CommaSeparatedValues
- ☐ PyCSV

✓ 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

- ☐ 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?

1 / 1 point

- ☒ `float(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()`
- ☐ `Convert.toFloat(row[2])`

✓ Correct

6. What was the sunspot seasonality?

1 / 1 point

- ☒ 11 or 22 years depending on who you ask
- ☐ 4 times a year
- ☐ 11 years
- ☐ 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?

1 / 1 point

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

✓ 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