

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
- ☐ py_csv
- ☒ csv
- ☐ CommaSeparatedValues

✔ Correct

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

1 / 1 point

- ☐ It only counts positive errors
- ☐ It punishes larger errors
- ☐ It biases towards small 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, window_size)
- ☒ (window_size, 1)
- ☐ (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

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

✔ Correct

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

1 / 1 point

- ☐ Use a 1DConv layer type
- ☒ Use a Conv1D layer type
- ☐ Use a ConvolutionD1 layer type
- ☐ Use a 1DConvolution 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)
- ☒ next(reader)
- ☐ reader.next
- ☐ reader.ignore_header()

✔ 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

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

✔ Correct