

## Week 4 Quiz

Quiz, 8 questions

8/8 points (100%)



**Congratulations! You passed!**

Next Item



1 / 1  
point

1.

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



Use a 1DConvolution layer type



Use a Conv1D layer type



**Correct**



Use a 1DConv layer type



Use a Convolution1D layer type



1 / 1  
point

2.

## What's the input shape for a univariate time series to a Conv1D?

### Week 4 Quiz

Quiz, 8 questions

8/8 points (100%)



[1]



[1, None]



[None, 1]



Correct



[]

1 / 1  
point

3.

You used a sunspots dataset that was stored in CSV. What's the name of the Python library used to read CSVs?



CSV



Correct



PyCSV



CommaSeparatedValues

## Week 4 Quiz

Quiz, 8 questions

**8/8 points (100%)**

1 / 1  
point

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.next**



**reader.read(next)**



**next(reader)**



**Correct**



**reader.ignore\_header()**



1 / 1  
point

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?**

## Week 4 Quiz

Quiz, 8 questions

8/8 points (100%)

☐ You can't. It needs to be read into a buffer and a new float instantiated from the buffer

☒ `float(row[2])`



Correct

☐ `Convert.toFloat(row[2])`

---



1 / 1  
point

6.

What was the sunspot seasonality?

☐ 22 years

☒ 11 or 22 years depending on who you ask



Correct

☐ 11 years

☐ 4 times a year

## Week 4 Quiz

Quiz, 8 questions

8/8 points (100%)

1 / 1  
point

7.

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

**A combination of all of the above****Correct****Convolutions****DNN****RNN / LSTM**1 / 1  
point

8.

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

**It doesn't heavily punish larger errors like square errors do****Correct**

## Week 4 Quiz

Quiz, 8 questions

8/8 points (100%)



It only counts positive errors



It punishes larger errors

