Congratulations! You passed!

Grade received 88.88%

Latest Submission Grade 88.89%

To pass 80% or higher

Go to next item

1. **What is a windowed dataset?** 1 / 1 point

- ○ A consistent set of subsets of a time series
- ◉ A fixed-size subset of a time series
- ○ The time series aligned to a fixed shape
- ○ There's no such thing

Correct

2. What does ‘drop_remainder=True’ do? 1 / 1 point

- ○ It ensures that the data is all the same shape
- ○ It ensures that all rows in the data window are the same length by adding data
- ◉ It ensures that all rows in the data window are the same length by cropping data
- ○ It ensures that all data is used

✓ Correct

3. What’s the correct line of code to split an n column window into n-1 columns for features and 1 column for a label 1 / 1 point

- ○ dataset = dataset.map(lambda window: (window[n-1], window[1]))
- ◉ dataset = dataset.map(lambda window: (window[:-1], window[-1:]))
- ○ dataset = dataset.map(lambda window: (window[-1:], window[:-1]))
- ○ dataset = dataset.map(lambda window: (window[n], window[1]))

✓ Correct

4. What does MSE stand for? 1 / 1 point

- ◉ Mean Squared error
- ○ Mean Second error
- ○ Mean Slight error
- ○ Mean Series error

✓ Correct

5. What does MAE stand for? 1 / 1 point

- ○ Mean Average Error
- ○ Mean Advanced Error
- ◉ Mean Absolute Error
- ○ Mean Active Error

✓ Correct

6. If time values are in time[], series values are in series[] and we want to split the series into training and validation at time split_time, what is the correct code? 1 / 1 point

- ○
```
time_train = time[split_time]
x_train = series[split_time]
time_valid = time[split_time:]
x_valid = series[split_time:]
```

- ○
```
time_train = time[split_time]
x_train = series[split_time]
time_valid = time[split_time]
x_valid = series[split_time]
```

- ◉
```
time_train = time[:split_time]
x_train = series[:split_time]
time_valid = time[split_time:]
x_valid = series[split_time:]
```

- time_train = time[:split_time]
  x_train = series[:split_time]
  time_valid = time[split_time]
  x_valid = series[split_time]

Correct

7. If you want to inspect the learned parameters in a layer after training, what's a good technique to use? 0 / 1 point

- Iterate through the layers dataset of the model to find the layer you want.
- Run the model with unit data and inspect the output for that layer.
- Assign a variable to the layer and add it to the model using that variable. Inspect its properties after training.
- Decompile the model and inspect the parameter set for that layer.

Incorrect

8. How do you set the learning rate of the SGD optimizer? 1 / 1 point

- Use the learning_rate property
- You can't set it
- Use the Rate property
- Use the RateOfLearning property

Correct

9. If you want to amend the learning rate of the optimizer on the fly, after each epoch. What do you do? 1 / 1 point

- ○ Use a LearningRateScheduler and pass it as a parameter to a callback
- ○ Callback to a custom function and change the SGD property
- ◉ Use a LearningRateScheduler object in the callbacks namespace and assign that to the callback
- ○ You can't set it

✓ Correct