Congratulations! You passed!
TO PASS 80% or higher

Keep Learning

GRADE
100%

Week 2 Quiz

LATEST SUBMISSION GRADE
100%

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

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

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 data is used
- (•) It ensures that all rows in the data window are the same length by cropping data
- ( ) It ensures that all rows in the data window are the same length by adding data

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 Series error
- ( ) Mean Slight 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 1000, 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? 1 / 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
- ( ) Decompile the model and inspect the parameter set for that layer
- (•) Assign a variable to the layer and add it to the model using that variable. Inspect its properties after training

Correct

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

- ( ) Use the RateOfLearning property
- ( ) You can't set it
- (•) Use the lr property
- ( ) Use the Rate 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