Congratulations! You passed!

TO PASS 80% or higher

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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
- ( ) A consistent set of subsets 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 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 the data is all the same shape
- ( ) 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 Slight error
- ( ) Mean Series error
- ( ) Mean Second error
- (●) Mean Squared 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

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

Correct

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

1 / 1 point

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