✓ **Congratulations! You passed!**
TO PASS 80% or higher

Keep Learning
Retake the assignment in **7h 57m**

GRADE
100%

Week 2 Quiz

LATEST SUBMISSION GRADE

100%

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

   ○ The time series aligned to a fixed shape

   ◉ A fixed-size subset of a time series

   ○ 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 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 Second error

● Mean Squared 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 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**

- ◯ 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

✓ Correct

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

1 / 1 point

- ◯ Use the Rate property

- ◯ You can't set it

- ◯ Use the RateOfLearning property

- ⦿ **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