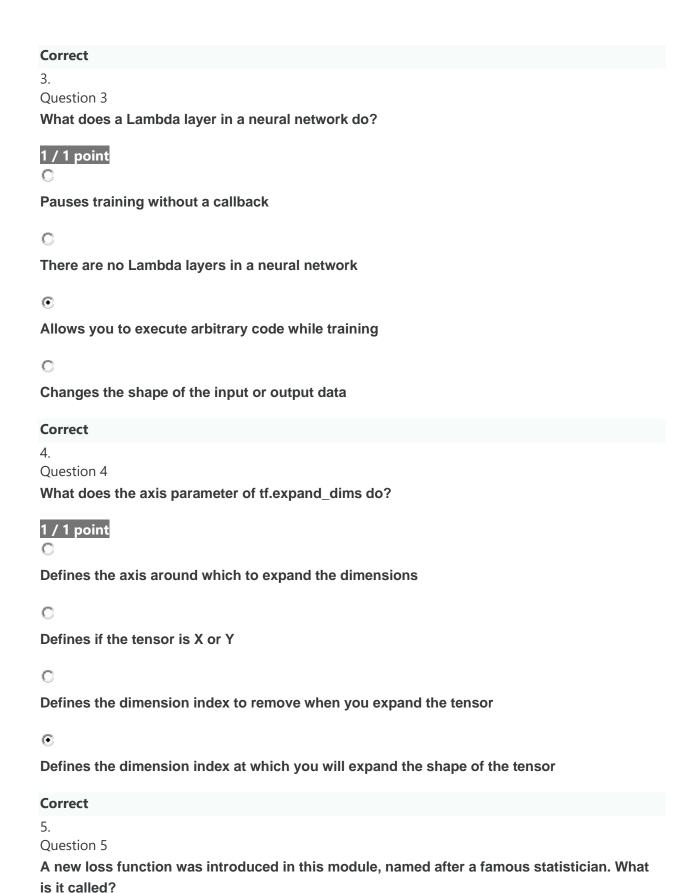
Week 3 Quiz

LATEST SUBMISSION GRADE
100%
1. Question 1 If X is the standard notation for the input to an RNN, what are the standard notations for the outputs?
1 / 1 point
Υ
C
н
⊙
Y(hat) and H
C
H(hat) and Y
Correct
Question 2What is a sequence to vector if an RNN has 30 cells numbered 0 to 29
1 / 1 point ⊙
The Y(hat) for the last cell
C
The average Y(hat) for all 30 cells
C
The Y(hat) for the first cell
C
The total Y(hat) for all cells



1 / 1 point
Hyatt loss
C
Hawking loss
$oldsymbol{\circ}$
Huber loss
C
Hubble loss
Correct
6. Question 6 What's the primary difference between a simple RNN and an LSTM
1 / 1 point C
LSTMs have a single output, RNNs have multiple
\odot
In addition to the H output, LSTMs have a cell state that runs across all cells
C
In addition to the H output, RNNs have a cell state that runs across all cells
C
LSTMs have multiple outputs, RNNs have a single one
Correct
7. Question 7
If you want to clear out all temporary variables that tensorflow might have from previous
sessions, what code do you run?
1 / 1 point C
tf.keras.clear_session

⊙
tf.keras.backend.clear_session()
C
tf.cache.backend.clear_session()
C
tf.cache.clear_session()
Correct
8. Question 8
What happens if you define a neural network with these two layers?
tf.keras.layers.Bidirectional(tf.keras.layers.LSTM(32)),
tf.keras.layers.Bidirectional(tf.keras.layers.LSTM(32)),
tf.keras.layers.Dense(1),
1 / 1 point
Your model will fail because you need return_sequences=True after each LSTM layer
C
Your model will fail because you have the same number of cells in each LSTM
⊙
Your model will fail because you need return_sequences=True after the first LSTM layer
C
Your model will compile and run correctly
Correct