

✓ Congratulations! You passed!

TO PASS 80% or higher



grade 100%

eat job! Keep learning and making progre	ess in your courses to incr	ease your skill scores. See skills	
Probability & Statistics	139	Machine Learning	272

	V1-2 O:-	
V	Veek 3 Quiz	
	TEST SUBMISSION GRADE	
1	00%	
1.	If X is the standard notation for the input to an RNN, what are the standard notations for the outputs? Y H Y(hat) and H H(hat) and Y	1/1 point
	✓ Correct	
2.	What is a sequence to vector if an RNN has 30 cells numbered 0 to 29 The total Y(hat) for all cells The Y(hat) for the first cell The Y(hat) for the last cell The average Y(hat) for all 30 cells	1/1 point
	✓ Correct	
3.	What does a Lambda layer in a neural network do? Pauses training without a callback There are no Lambda layers in a neural network Changes the shape of the input or output data Allows you to execute arbitrary code while training	1/1 point
	✓ Correct	
4.	What does the axis parameter of tf.expand_dims do? Defines if the tensor is X or Y Defines the dimension index at which you will expand the shape of the tensor Defines the axis around which to expand the dimensions	1/1 point
	 ○ Defines the dimension index to remove when you expand the tensor ✓ Correct 	
_		

1/1 point

O Hyatt loss

A

	Muber loss	
	○ Hawking loss	
	○ Hubble loss	
	✓ Correct	
6.	What's the primary difference between a simple RNN and an LSTM	1/1 point
	LSTMs have a single output, RNNs have multiple	
	In addition to the H output, RNNs have a cell state that runs across all cells	
	In addition to the H output, LSTMs have a cell state that runs across all cells	
	LSTMs have multiple outputs, RNNs have a single one	
	✓ Correct	
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
	tf.cache.clear_session()	
	tf.cache.backend.clear_session()	
	tf.keras.backend.clear_session()	
	tf.keras.clear_session	
	✓ Correct	
8.	What happens if you define a neural network with these two layers?	1/1 point
	tf.keras.layers.Bidirectional(tf.keras.layers.LSTM(32)),	
	tf.keras.layers.Bidirectional(tf.keras.layers.LSTM(32)),	
	tf.keras.layers.Dense(1),	
	Your model will fail because you need return_sequences=True after each LSTM layer	
	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	
	Your model will compile and run correctly	
	✓ Correct	