Congratulations! You passed!

Grade received 100% Latest Submission Grade 100% To pass 80% or higher

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1.	If X is the standard notation for the input to an RNN, what are the standard notations for the outputs?	1/1 point
	○ Y	
	Он	
	Y(hat) and H	
	H(hat) and Y	
	⊘ Correct	
2.	What 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	
	The average Y(hat) for all 30 cells	
	The Y(hat) for the second cell	
	The total Y(hat) for all cells	
	○ Correct	

3.	What does a Lambda layer in a neural network do?	1/1 point
	 There are no Lambda layers in a neural network Allows you to execute arbitrary code while training Changes the shape of the input or output data Pauses training without a callback 	
4.	What does the axis parameter of tf.expand_dims do?	1/1point
	O Defines if the tensor is X or Y	
	O Defines the dimension index to remove when you expand the tensor	
	O Defines the axis around which to expand the dimensions	
	Defines the dimension index at which you will expand the shape of the tensor	
	○ Correct	
5.	A new loss function was introduced in this module, named after a famous statistician. What is it called?	1/1 point
	(a) Huber loss	
	○ Hyatt loss	
	○ Hawking loss	
	O Hubble loss	

6.	What's the primary difference between a simple RNN and an LSTM	1/1 point
	O In addition to the H output, RNNs have a cell state that runs across all cells	
	C LSTMs have a single output, RNNs have multiple	
	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.keras.clear_session	
	tf.keras.backend.clear_session()	
	tf.cache.backend.clear_session()	
	tf.cache.clear_session()	
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),	
	O Your model will fail because you need return_sequences=True after each LSTM layer	
	Your model will fail because you need return_sequences=True after the first LSTM layer	
	O Your model will fail because you have the same number of cells in each LSTM	
	O Your model will compile and run correctly	
	⊙ Correct	