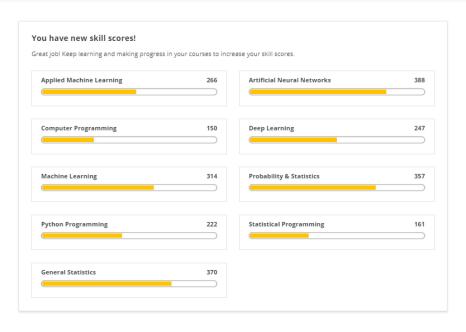
## ✓ Congratulations! You passed!

TO PASS 80% or higher

100%



NEEK 3 QUIZ ATEST SUBMISSION GRADE			
00%			
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			
V Contect			
What is a sequence to vector if an RNN has 30 cells numbered 0 to 29	1/1 point		
The Y(hat) for the first cell			
The total Y(hat) for all cells			
The Y(hat) for the last cell			
The average Y(hat) for all 30 cells			
✓ Correct			
What does a Lambda layer in a neural network do?	1/1 point		
Pauses training without a callback			
Changes the shape of the input or output data			
There are no Lambda layers in a neural network			
Allows you to execute arbitrary code while training			
✓ Correct			
What does the axis parameter of tf.expand_dims do?	1/1 point		
Defines the dimension index at which you will expand the shape of the tensor			
Defines the dimension index to remove when you expand the tensor			
Defines the axis around which to expand the dimensions			
O Defines if the tensor is X or Y			

5	A new loss function was introduced in this module, named after a famous statistician. What is it called?	1/1 point
-	↑ Hubble loss	
	Hyatt loss	
	Huber loss	
	Hawking 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	17 1 point
	LSTMs have a single output, KNNs have a single one	
	In addition to the H output, LSTMs have a cell state that runs across all cells	
	In addition to the H output, RNNs have a cell state that runs across all cells	
	O	
	✓ Correct	
_		
/.	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.backend.clear_session()	
	tf.keras.backend.clear_session()	
	tf.keras.clear_session	
	tf.cache.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 compile and run correctly	
	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	
	✓ Correct	

✓ Correct