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QUIZ

Week 3 Quiz

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DUE DATE Sep 28, 12:29 PM IST **ATTEMPTS** 3 every 8 hours

Try again

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**
- ○ **H**
- ◉ **Y(hat) and H**
- ○ **H(hat) and Y**

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✓ **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 first cell**
- ○ **The total Y(hat) for all cells**

✓ **Correct**

3. **What does a Lambda layer in a neural network do?** **1 / 1 point**

- ○ **Pauses training without a callback**
- ◉ **Allows you to execute arbitrary code while training**
- ○ **Changes the shape of the input or output data**
- ○ **There are no Lambda layers in a neural network**

✓ **Correct**

4. **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 if the tensor is X or Y**
- ○ **Defines the dimension index to remove when you expand the tensor**
- ○ **Defines the axis around which to expand the dimensions**

✓ **Correct**

5. **A new loss function was introduced in this module, named after a famous statistician. What is it called?** **1 / 1 point**

- ◉ **Huber loss**
- ○ **Hyatt 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**
- ○ **LSTMs have multiple outputs, RNNs have a single one**
- ◉ **In addition to the H output, LSTMs have a cell state that runs across all cells**