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**1.** When stacking LSTMs, how do you instruct an LSTM to feed the next one in the sequence? 1 / 1 point

- ○ Ensure that they have the same number of units
- ◉ Ensure that return_sequences is set to True only on units that feed to another LSTM
- ○ Ensure that return_sequences is set to True on all units
- ○ Do nothing, TensorFlow handles this automatically

**Correct**
Correct!

**2.** How does an LSTM help understand meaning when words that qualify each other aren't necessarily beside each other in a sentence? 1 / 1 point

- ○ They load all words into a cell state
- ○ They shuffle the words randomly
- ◉ Values from earlier words can be carried to later ones via a cell state
- ○ They don't

**Correct**
Correct!

**3.** What's the best way to avoid overfitting in NLP datasets? 1 / 1 point

- ○ Use LSTMs
- ○ Use GRUs
- ○ Use Conv1D
- ◉ None of the above

**Correct**
Correct!

**4.** What keras layer type allows LSTMs to look forward and backward in a sentence? 1 / 1 point

- ○ Bothdirection
- ○ Bilateral
- ○ Unilateral
- ◉ Bidirectional

**Correct**
Correct!

**5.** Why does sequence make a large difference when determining semantics of language? 1 / 1 point

- ◉ Because the order in which words appear dictate their impact on the meaning of the sentence
- ○ Because the order in which words appear dictate their meaning
- ○ Because the order of words doesn't matter
- ○ It doesn't

**Correct**
Correct!

6. How do Recurrent Neural Networks help you understand the impact of sequence on meaning? 1 / 1 point

- ○ They look at the whole sentence at a time
- ○ They shuffle the words evenly
- ○ They don't
- ◉ They carry meaning from one cell to the next

**Correct**
That's right!

7. What's the output shape of a bidirectional LSTM layer with 64 units? 1 / 1 point

- ◉ (None, 128)
- ○ (128,None)
- ○ (None, 64)
- ○ (128,1)

**Correct**
That's right!

8. If a sentence has 120 tokens in it, and a Conv1D with 128 filters with a Kernel size of 5 is passed over it, what's the output shape? 1 / 1 point

- ○ (None, 120, 124)
- ○ (None, 116, 124)
- ○ (None, 120, 128)
- ◉ (None, 116, 128)

**Correct**
That's right!