Quiz_C3W3

Congratulations! You passed!

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

1. Why does sequence make a large difference when determining semantics of language?

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

Correct
Correct!

2. How do Recurrent Neural Networks help you understand the impact of sequence on meaning?

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

Correct
That's right!

3. How does an LSTM help understand meaning when words that qualify each other aren't necessarily beside each other in a sentence?

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

Correct
Correct!

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

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

Correct
Correct!

5. What's the output shape of a bidirectional LSTM layer with 64 units?

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

Correct
That's right!

6. When stacking LSTMs, how do you instruct an LSTM to feed the next one in the sequence?

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

Correct
Correct!

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

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

Correct
That's right!

8. What's the best way to avoid overfitting in NLP datasets?

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

Correct
Correct!