Week 3 Quiz

Quiz, 8 questions

8/8 points (100%)

Congratulations! You passed!

Next Item

1 / 1 point

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

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

Correct

- It doesn't

---

1 / 1 point

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

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

Correct

---

1 / 1 point

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

- They shuffle the words randomly
- Values from earlier words can be carried to later ones via a cell state

Correct

- They load all words into a cell state
- They don't

Week 3 Quiz

Quiz, 8 questions

8/8 points (100%)

1 / 1 point

4.

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

- Bilateral
- Bothdirection
- Bidirectional

Correct

- Unilateral

1 / 1 point

5.

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

- (128,1)
- (128,None)
- (None, 128)

Correct

- (None, 64)

1 / 1 point

6.

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

- Ensure that return_sequences is set to True on all units
- 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

Correct

- Do nothing, TensorFlow handles this automatically

1 / 1 point

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, 120, 128)
- (None, 116, 128)

Correct

(None, 120, 124)

Week 3 Quiz

Quiz, 8 questions

8/8 points (100%)

(None, 116, 124)

1 / 1 point

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

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

Correct