Week 3 Quiz

Quiz, 8 questions

7/8 points (87.50%)

Congratulations! You passed!

Next Item

1 / 1 point

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

- It doesn't
- 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

- Because the order of words doesn't matter

1 / 1 point

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

- They carry meaning from one cell to the next

Correct

- They look at the whole sentence at a time
- They don't
- They shuffle the words evenly

1 / 1 point

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

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

Correct

- They shuffle the words randomly

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1 / 1 point

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

- Bothdirection
- Bilateral
- Bidirectional

Correct

- Unilateral

---

1 / 1 point

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

- (None, 64)
- (None, 128)

Correct

- (128,None)

(128,1)

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✔ 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
- Do nothing, TensorFlow handles this automatically
- 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

✔ 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, 124)
- (None, 116, 128)

Correct

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

✖ 0 / 1 point

8.

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

- Use LSTMs
- Use GRUs

Week 3 Quiz - Use Conv1D
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This should not be selected

None of the above