Week 4 Quiz

LATEST SUBMISSION GRADE

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1.

Question 1

What is the name of the method used to tokenize a list of sentences?

1 / 1 point

Œ

fit_on_texts(sentences)

O

tokenize(sentences)

0

tokenize_on_text(sentences)

0

fit_to_text(sentences)

Correct

2.

Question 2

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?

1 / 1 point

0

(None, 120, 128)

 \odot

(None, 116, 128)

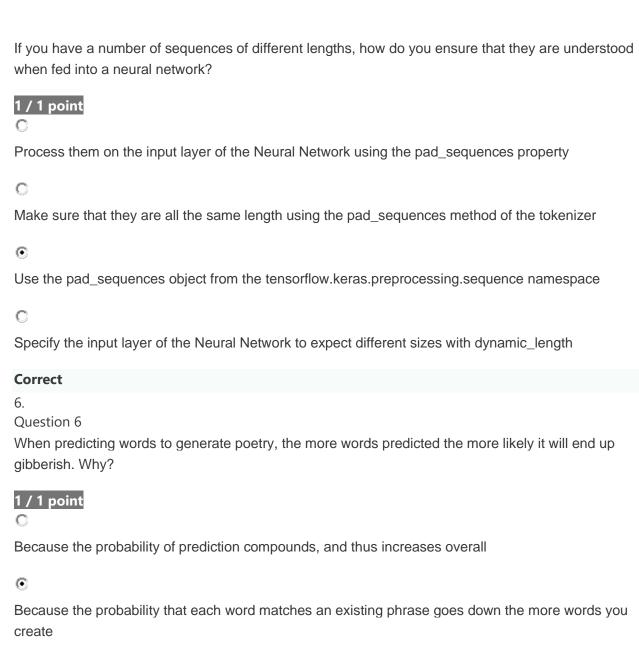
O

(None, 116, 124)

O

(None, 120, 124)

Correct
3.
Question 3
What is the purpose of the embedding dimension?
1 / 1 point C
It is the number of dimensions required to encode every word in the corpus
C
It is the number of letters in the word, denoting the size of the encoding
•
It is the number of dimensions for the vector representing the word encoding
C
It is the number of words to encode in the embedding
Correct
4. Question 4 IMDB Reviews are either positive or negative. What type of loss function should be used in this scenario?
1 / 1 point
Adam
c
Binary Gradient descent
⊙
Binary crossentropy
c
Categorical crossentropy
Correct
5. Question 5



a

Because you are more likely to hit words not in the training set

O.

It doesn't, the likelihood of gibberish doesn't change

Correct

7.

Question 7

What is a major drawback of word-based training for text generation instead of character-based generation?

1 / 1 point C
Character based generation is more accurate because there are less characters to predict
C
There is no major drawback, it's always better to do word-based training
C
Word based generation is more accurate because there is a larger body of words to draw from
Because there are far more words in a typical corpus than characters, it is much more memory intensive
Correct
8. Question 8
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
$oldsymbol{\circ}$
Values from earlier words can be carried to later ones via a cell state
C
They don't
C
They shuffle the words randomly
Correct