

## Week 1 Quiz

LATEST SUBMISSION GRADE

100%

1.

Question 1

What is the name of the object used to tokenize sentences?

1 / 1 point

WordTokenizer

TextTokenizer

**Tokenizer (Correct)**

CharacterTokenizer

2.

Question 2

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

1 / 1 point

tokenize\_on\_text(sentences)

**fit\_to\_text(sentences) (Correct)**

fit\_on\_texts(sentences)

tokenize(sentences)

3.

Question 3

Once you have the corpus tokenized, what's the method used to encode a list of sentences to use those tokens?

1 / 1 point

texts\_to\_tokens(sentences)

text\_to\_tokens(sentences)

text\_to\_sequences(sentences)

**texts\_to\_sequences(sentences) (Correct)**

4.

Question 4

When initializing the tokenizer, how to you specify a token to use for unknown words?

1 / 1 point

out\_of\_vocab=<Token>

unknown\_word=<Token>

unknown\_token=<Token>

**oov\_token=<Token> (Correct)**

5.

Question 5

If you don't use a token for out of vocabulary words, what happens at encoding?

1 / 1 point

The word is replaced by the most common token

**The word isn't encoded, and is skipped in the sequence (Correct)**

The word isn't encoded, and the sequencing ends

The word isn't encoded, and is replaced by a zero in the sequence

6.

Question 6

If you have a number of sequences of different lengths, how do you ensure that they are understood when fed into a neural network?

1 / 1 point

**Use the pad\_sequences object from the tensorflow.keras.preprocessing.sequence namespace (Correct)**

Make sure that they are all the same length using the pad\_sequences method of the tokenizer

Process them on the input layer of the Neural Network using the pad\_sequences property

Specify the input layer of the Neural Network to expect different sizes with dynamic\_length

7.

Question 7

If you have a number of sequences of different length, and call pad\_sequences on them, what's the default result?

1 / 1 point

Nothing, they'll remain unchanged

They'll get padded to the length of the longest sequence by adding zeros to the beginning of shorter ones

**They'll get padded to the length of the longest sequence by adding zeros to the end of shorter ones (Correct)**

They'll get cropped to the length of the shortest sequence

8.

Question 8

When padding sequences, if you want the padding to be at the end of the sequence, how do you do it?

1 / 1 point

**Pass padding='post' to pad\_sequences when initializing it (Correct)**

Pass padding='after' to pad\_sequences when initializing it

Call the padding method of the pad\_sequences object, passing it 'after'

Call the padding method of the pad\_sequences object, passing it 'post'