

# Week 1 Quiz

LATEST SUBMISSION GRADE

100%

1.

Question 1

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

1 / 1 point

☐

TextTokenizer

☐

CharacterTokenizer

☐

WordTokenizer

☒

Tokenizer

Correct

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)

☐

tokenize(sentences)

☒

fit\_on\_texts(sentences)

Correct

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)

☒

texts\_to\_sequences(sentences)

☐

text\_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**

☐

unknown\_token=<Token>

☐

out\_of\_vocab=<Token>

☒

oov\_token=<Token>

☐

unknown\_word=<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 isn't encoded, and is skipped in the sequence



The word isn't encoded, and the sequencing ends



The word is replaced by the most common token



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

**Correct**

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



Process them on the input layer of the Neural Network using the `pad_sequences` property



Make sure that they are all the same length using the `pad_sequences` method of the tokenizer



Specify the input layer of the Neural Network to expect different sizes with `dynamic_length`



Use the `pad_sequences` object from the `tensorflow.keras.preprocessing.sequence` namespace

**Correct**

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



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



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



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



Nothing, they'll remain unchanged

**Correct**

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



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'

**Correct**