

# Week 1 Quiz

LATEST SUBMISSION GRADE

87.5%

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

1 / 1 point

- ☐ WordTokenizer
- ☒ Tokenizer
- ☐ CharacterTokenizer
- ☐ TextTokenizer

✓ Correct

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

1 / 1 point

- ☒ fit\_on\_texts(sentences)
- ☐ fit\_to\_text(sentences)
- ☐ tokenize(sentences)
- ☐ tokenize\_on\_text(sentences)

✓ Correct

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

- ☐ text\_to\_tokens(sentences)
- ☐ text\_to\_sequences(sentences)
- ☐ texts\_to\_tokens(sentences)
- ☒ texts\_to\_sequences(sentences)

✓ Correct

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

1 / 1 point

- ☐ unknown\_word=<Token>
- ☐ unknown\_token=<Token>
- ☒ oov\_token=<Token>
- ☐ out\_of\_vocab=<Token>

✓ Correct

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

0 / 1 point

- ☐ The word isn't encoded, and the sequencing ends
- ☒ The word isn't encoded, and is replaced by a zero in the sequence
- ☐ The word is replaced by the most common token
- ☐ The word isn't encoded, and is skipped in the sequence

! Incorrect

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

✓ Correct

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

✓ Correct

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

- ☐ Call the `padding` method of the `pad_sequences` object, passing it 'after'
- ☐ Call the `padding` method of the `pad_sequences` object, passing it 'post'
- ☒ Pass `padding='post'` to `pad_sequences` when initializing it
- ☐ Pass `padding='after'` to `pad_sequences` when initializing it

✓ Correct