

Week 1 Quiz

Quiz, 8 questions

8/8 points (100%)

Congratulations! You passed!

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point

1.

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

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

**Correct**1 / 1
point

2.

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

- ☒ fit_on_texts(sentences)

**Correct**

- ☐ tokenize(sentences)
- ☐ tokenize_on_text(sentences)
- ☐ fit_to_text(sentences)

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

- ☐ text_to_sequences(sentences)
- ☒ texts_to_sequences(sentences)

Correct

- ☐ texts_to_tokens(sentences)
- ☐ text_to_tokens(sentences)



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point

4.

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

- ☒ oov_token=<Token>

Correct

- ☐ unknown_word=<Token>
- ☐ unknown_token=<Token>
- ☐ out_of_vocab=<Token>



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point

5.

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

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

Correct

- ☐ The word is replaced by the most common token

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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?

- ☐ Process them on the input layer of the Neural Network using the `pad_sequences` property
- ☒ Use the `pad_sequences` object from the `tensorflow.keras.preprocessing.sequence` namespace

Correct

- ☐ Specify the input layer of the Neural Network to expect different sizes with `dynamic_length`
- ☐ Make sure that they are all the same length using the `pad_sequences` method of the tokenizer

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7.

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

- ☐ 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

Correct

- ☐ Nothing, they'll remain unchanged
- ☐ They'll get cropped to the length of the shortest sequence

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8.

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

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Pass padding='after' to pad_sequences when initializing it

Pass padding='post' to pad_sequences when initializing it

Correct

- ☐ Call the padding method of the pad_sequences object, passing it 'after'
- ☐ Call the padding method of the pad_sequences object, passing it 'post'

