## Quiz\_C3W1

## Congratulations! You passed!

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1.	What is the name of the object used to tokenize sentences?
	O CharacterTokenizer
	○ WordTokenizer
	O TextTokenizer
	Tokenizer
2.	What is the name of the method used to tokenize a list of sentences?
	O tokenize_on_text(sentences)
	O fit_to_text(sentences)
	O tokenize(sentences)
	fit_on_texts(sentences)
	Correct

<ul> <li>texts_to_sequences(sentences)</li> <li>text_to_tokens(sentences)</li> <li>texts_to_tokens(sentences)</li> <li>texts_to_sequences(sentences)</li> <li>text_to_sequences(sentences)</li> <li>Correct         Correct         Correct         Correct         One_token=<token>         unknown_word=<token>         unknown_token=<token>         unknown_token=<token>         out_of_vocab=<token> </token></token></token></token></token></li> <li>Correct         That's right!</li> <li>If you don't use a token for out of vocabulary words, what happens at encoding?         <ul> <li>The word is replaced by the most common token</li> <li>The word isn't encoded, and is skipped in the sequence</li> <li>The word isn't encoded, and the sequencing ends</li> <li>The word isn't encoded, and is replaced by a zero in the sequence</li> </ul> </li> <li>Correct         <ul> <li>Correct</li> <li>Correct</li> <li>Correct</li> </ul> </li> <li>If you have a number of sequences of different lengths, how do you ensure that they are understood whe into a neural network?</li> </ul>	ns at encoding?  Define the pad_sequences property quences method of the tokenizer preprocessing.sequence namespace	3.	Once you have the corpus tokenized, what's the method used to encode a list of sentences to use those tokens?
texts_to_tokens(sentences)  text_to_sequences(sentences)  Correct Correct!  4. When initializing the tokenizer, how do you specify a token to use for unknown words?  oov_token= <token> unknown_word=<token> unknown_token=<token> out_of_vocab=<token>  correct That's right!  5. If you don't use a token for out of vocabulary words, what happens at encoding? The word is replaced by the most common token  The word isn't encoded, and is skipped in the sequence The word isn't encoded, and is replaced by a zero in the sequence  Correct Correct!  6. If you have a number of sequences of different lengths, how do you ensure that they are understood whee</token></token></token></token>	ns at encoding?  Define the pad_sequences property quences method of the tokenizer preprocessing, sequence namespace		texts_to_sequences(sentences)
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	quences method of the tokenizer preprocessing sequence namespace	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?
O Process them on the input layer of the Neural Network using the pad_sequences property	preprocessing sequence namespace		O 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			Make sure that they are all the same length using the pad_sequences method of the tokenizer
Use the pad_sequences function from the tensorflow.keras.preprocessing.sequence namespace	rent sizes with dynamic_length		Use the pad_sequences function from the tensorflow.keras.preprocessing.sequence namespace
O Specify the input layer of the Neural Network to expect different sizes with dynamic_length			O Specify the input layer of the Neural Network to expect different sizes with dynamic_length
			○ Correct     That's right!

7.	If you have a number of sequences of different length, and call pad_sequences on them, what's the default result?
	O 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 cropped to the length of the shortest sequence
	O They'll get padded to the length of the longest sequence by adding zeros to the end of shorter ones
	○ Correct     Correct!
8.	When padding sequences, if you want the padding to be at the end of the sequence, how do you do it?
	Call the padding method of the pad_sequences object, passing it 'after'
	Pass padding='post' to pad_sequences when initializing it
	Call the padding method of the pad_sequences object, passing it 'post'
	Pass padding='after' to pad_sequences when initializing it
	○ Correct     That's right!