

NATURAL LANGUAGE PROCESSING WITH TENSORFLOW

← Week 1 Quiz

Graded Quiz0

Due May 4, 12:29 PM IST

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

1 / 1 point

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

✓ Correct

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

1 / 1 point

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

✓ Correct

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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_sequences(sentences)
- ☒ texts_to_sequences(sentences)
- ☐ texts_to_tokens(sentences)
- ☐ text_to_tokens(sentences)

✓ Correct

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>
- ☒ oov_token=<Token>
- ☐ unknown_token=<Token>

✓ Correct



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

✓ Correct

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

- ☐ 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
- ☐ 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



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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?

1 / 1 point

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

✓ 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

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

✓ Correct