Congratulations! You passed!

Grade received 100% To pass 80% or higher

Go to next item

Week 2 Quiz

Latest Submission Grade 100%

1. What is the name of the TensorFlow library containing common data that you can use to train and test neural networks? **1 / 1 point**

- ○ There is no library of common data sets, you have to use your own
- ○ TensorFlow Data Libraries
- ◉ TensorFlow Datasets
- ○ TensorFlow Data

Correct
Correct!

2. How many reviews are there in the IMDB dataset and how are they split? **1 / 1 point**

- ○ 60,000 records, 50/50 train/test split
- ◉ 50,000 records, 50/50 train/test split
- ○ 60,000 records, 80/20 train/test split
- ○ 50,000 records, 80/20 train/test split

Correct
That's right!

3. How are the labels for the IMDB dataset encoded? **1 / 1 point**

- ◉ Reviews encoded as a number 0-1
- ○ Reviews encoded as a boolean true/false
- ○ Reviews encoded as a number 1-5
- ○ Reviews encoded as a number 1-10

Correct
Correct!

4. What is the purpose of the embedding dimension? **1 / 1 point**

- ○ It is the number of words to encode in the embedding
- ○ It is the number of letters in the word, denoting the size of the encoding
- ○ It is the number of dimensions required to encode every word in the corpus
- ◉ It is the number of dimensions for the vector representing the word encoding

Correct
That's right!

5. When tokenizing a corpus, what does the num_words=n parameter do? 1 / 1 point

- (●) It specifies the maximum number of words to be tokenized, and picks the most common 'n-1' words
- ( ) It errors out if there are more than n distinct words in the corpus
- ( ) It specifies the maximum number of words to be tokenized, and picks the first 'n' words that were tokenized
- ( ) It specifies the maximum number of words to be tokenized, and stops tokenizing when it reaches n

Correct
Correct!

6. To use word embeddings in TensorFlow, in a sequential layer, what is the name of the class? 1 / 1 point

- ( ) tf.keras.layers.WordEmbedding
- (●) tf.keras.layers.Embedding
- ( ) tf.keras.layers.Embed
- ( ) tf.keras.layers.Word2Vector

Correct
That's right!

7. IMDB Reviews are either positive or negative. What type of loss function should be used in this scenario? 1 / 1 point

- (●) Binary crossentropy
- ( ) Adam
- ( ) Categorical crossentropy
- ( ) Binary Gradient descent

Correct
Correct!

8. When using IMDB Sub Words dataset, our results in classification were poor. Why? 1 / 1 point

- (●) Sequence becomes much more important when dealing with subwords, but we're ignoring word positions
- ( ) The sub words make no sense, so can't be classified
- ( ) We didn't train long enough
- ( ) Our neural network didn't have enough layers

Correct
That's right!