Week 2 Quiz

LATEST SUBMISSION GRADE

100%

1.
Question 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

TensorFlow Datasets

TensorFlow Data Libraries

TensorFlow Data

There is no library of common data sets, you have to use your own

Correct

2.
Question 2
How many reviews are there in the IMDB dataset and how are they split?

1 / 1 point

50,000 records, 50/50 train/test split

50,000 records, 80/20 train/test split

60,000 records, 50/50 train/test split

60,000 records, 80/20 train/test split

Correct

3.

Question 3

How are the labels for the IMDB dataset encoded?

1 / 1 point

Reviews encoded as a boolean true/false

Reviews encoded as a number 1-10

Reviews encoded as a number 1-5

Reviews encoded as a number 0-1

Correct

4.

Question 4

What is the purpose of the embedding dimension?

1 / 1 point

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

It is the number of words to encode in the embedding

Correct

5.

Question 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 first ‘n’ words that were tokenized

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 stops tokenizing when it reaches n

It specifies the maximum number of words to be tokenized, and picks the most common ‘n’ words

Correct

6.
Question 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.Embed

tf.keras.layers.Word2Vector

tf.keras.layers.Embedding

Correct

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

1 / 1 point

Categorical crossentropy

Adam

Binary Gradient descent

Binary crossentropy

Correct

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

1 / 1 point

The sub words make no sense, so can’t be classified

Sequence becomes much more important when dealing with subwords, but we’re ignoring word positions

Our neural network didn’t have enough layers

We didn’t train long enough

Correct