Week 2 Quiz

Quiz, 8 questions

8/8 points (100%)

Congratulations! You passed!

Next Item

1 / 1 point

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

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

Correct

- TensorFlow Data

1 / 1 point

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

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

Correct

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

1 / 1 point

3.
How are the labels for the IMDB dataset encoded?

- Reviews encoded as a number 0-1

Correct

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

1 / 1

point

Week 2 Quiz

4Quiz, 8 questions

8/8 points (100%)

What is the purpose of the embedding dimension?

- It is the number of dimensions required to encode every word in the corpus
- 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 for the vector representing the word encoding

Correct

1 / 1 point

5.

When tokenizing a corpus, what does the num_words=n parameter do?

- 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 picks the most common 'n' words

Correct

- It specifies the maximum number of words to be tokenized, and stops tokenizing when it reaches n

1 / 1 point

6.

To use word embeddings in TensorFlow, in a sequential layer, what is the name of the class?

- tf.keras.layers.Embedding

Correct

- tf.keras.layers.Word2Vector
- tf.keras.layers.WordEmbedding
- tf.keras.layers.Embed

1 / 1 point

7.

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

- Binary Gradient descent
- Binary crossentropy

Correct

Categorical crossentropy

Adam

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1 / 1 point

8.

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

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

Correct

- The sub words make no sense, so can't be classified
- Our neural network didn't have enough layers
- We didn't train long enough