Week 2 Quiz
Quiz, 8 questions

8/8 points (100%)

✓ **Congratulations! You passed!**

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Next Item

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✔ 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?

○ TensorFlow Data

○ TensorFlow Data Libraries

◉ TensorFlow Datasets

Correct

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

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✔ 1 / 1
point

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

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

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

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

Correct

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

Week 2 Quiz

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✓   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 boolean true/false

◯   Reviews encoded as a number 1-10

◯   Reviews encoded as a number 1-5

✓   1 / 1
     point

4.

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 dimensions for the vector representing the word encoding

▲

Correct

◯   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

✓   1 / 1
     point

5.

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

◯   It specifies the maximum number of words to be tokenized, and picks the first 'n' words that were
     tokenized

Week 2 Quiz

8/8 points (100%)

○ 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

✔ 1 / 1
point

6.

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

○ tf.keras.layers.WordEmbedding

○ tf.keras.layers.Embed

⦿ tf.keras.layers.Embedding

▲

Correct

○ tf.keras.layers.Word2Vector

✔ 1 / 1
point

7.

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

⦿ Binary crossentropy

▲

Correct

○ Categorical crossentropy

○ Binary Gradient descent

○ Adam

Week 2 Quiz ^{1 / 1} point

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8.

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

○ Our neural network didn't have enough layers

○ 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

▲

Correct

○ We didn't train long enough

👎 ⚑