

Week 2 Quiz

Quiz, 8 questions

8/8 points (100%)

Congratulations! You passed!

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

Correct

- ☐ TensorFlow Data

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point

2.

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

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

Correct

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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



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4.

What is the purpose of the embedding dimension?

☐ It is the number of words to encode in the embedding

☒ It is the number of dimensions for the vector representing the word encoding

**Correct**

☐ It is the number of dimensions required to encode every word in the corpus

☐ It is the number of letters in the word, denoting the size of the encoding



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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 most common 'n' words

**Correct**

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

8/8 points (100%)

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



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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.Embed



tf.keras.layers.Word2Vector



tf.keras.layers.WordEmbedding



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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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8.

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

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

Correct

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

