

## 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



TensorFlow Data



TensorFlow Datasets

**Correct**

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

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, 80/20 train/test split



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

**Correct**

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3.

How are the labels for the IMDB dataset encoded?

☐ Reviews encoded as a boolean true/false☒ Reviews encoded as a number 0-1**Correct**☐ Reviews encoded as a number 1-10☐ Reviews encoded as a number 1-51 / 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 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 letters in the word, denoting the size of the encoding1 / 1  
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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 most common 'n' words

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- ☐ 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
- 

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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.Embed
- ☒ tf.keras.layers.Embedding

**Correct**

- ☐ tf.keras.layers.WordEmbedding
- ☐ tf.keras.layers.Word2Vector
- 

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7.

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

- ☐ Categorical crossentropy
- ☐ Adam
- ☐ Binary Gradient descent
- ☒ Binary crossentropy

**Correct**

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8.

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



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



Our neural network didn't have enough layers

