Congratulations! You passed!

Grade received 100% **Latest Submission Grade** 100% **To pass** 80% or higher

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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**

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

Correct
Correct!

2. How many reviews are there in the IMDB dataset and how are they split? **1 / 1 point**

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

Correct
That's right!

3. How are the labels for the IMDB dataset encoded? **1 / 1 point**

- ○ Reviews encoded as a number 1-5
- ○ Reviews encoded as a number 1-10
- ◉ Reviews encoded as a number 0-1
- ○ Reviews encoded as a boolean true/false

Correct
Correct!

4. What is the purpose of the embedding dimension? **1 / 1 point**

- ○ 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
That's right!

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 most common 'n-1' words
- ○ 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 stops tokenizing when it reaches n
- ○ It errors out if there are more than n distinct words in the corpus

Correct
Correct!

Correct!

6. To use word embeddings in TensorFlow, in a sequential layer, what is the name of the class? **1 / 1 point**

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

Correct
That's right!

7. IMDB Reviews are either positive or negative. What type of loss function should be used in this scenario? **1 / 1 point**

- Binary Gradient descent
- Binary crossentropy
- Categorical crossentropy
- Adam

Correct
Correct!

8. When using IMDB Sub Words dataset, our results in classification were poor. Why? **1 / 1 point**

- Our neural network didn't have enough layers
- The sub words make no sense, so can't be classified
- We didn't train long enough
- Sequence becomes much more important when dealing with subwords, but we're ignoring word positions

Correct
That's right!