Congratulations! You passed!

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

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Week 2 Quiz

Latest Submission Grade 100%

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 Datasets

○ TensorFlow Data Libraries

○ TensorFlow Data

✓ **Correct**

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

1 / 1 point

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

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

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

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

✓ **Correct**

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**

4. What is the purpose of the embedding dimension?

1 / 1 point

○ 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

○ 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

✓ **Correct**

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' words

○ 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 stops tokenizing when it reaches n

✓ **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.Embed

◉ tf.keras.layers.Embedding

◯ tf.keras.layers.WordEmbedding

◯ tf.keras.layers.Word2Vector

⊘ **Correct**

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

1 / 1 point

◯ Categorical crossentropy

◯ Binary Gradient descent

◉ Binary crossentropy

◯ Adam

⊘ **Correct**

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

1 / 1 point

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

◯ 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

⊘ **Correct**