Week 2 Quiz

LATEST SUBMISSION GRADE

100%

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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**

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

✓ **Correct**

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

- 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**

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

- Reviews encoded as a number 1-10
- Reviews encoded as a number 0-1
- Reviews encoded as a number 1-5
- 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 words to encode in the embedding
- 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
- (selected) It is the number of dimensions for the vector representing the word encoding

✓ **Correct**

5. When tokenizing a corpus, what does the num_words=n parameter do? **1 / 1 point**

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

✓ **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 crossentropy
- ○ Adam
- ○ Binary Gradient descent

✓ **Correct**

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

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

✓ **Correct**