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Week 2 Quiz

LATEST SUBMISSION GRADE
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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 Libraries

    ○ TensorFlow Data

    ⦿ TensorFlow Datasets

    ✓ 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, 50/50 train/test split

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

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

    ✓ Correct

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

    ⦿ Reviews encoded as a number 0-1

    ○ Reviews encoded as a boolean true/false

    ○ Reviews encoded as a number 1-5

    ○ Reviews encoded as a number 1-10

    ✓ 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 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

    ○ 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 picks the most common 'n' words

✓ Correct

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

   ● tf.keras.layers.Embedding
   ○ tf.keras.layers.Embed
   ○ tf.keras.layers.Word2Vector
   ○ tf.keras.layers.WordEmbedding

   ✓ Correct

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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

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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
   ○ We didn't train long enough
   ○ The sub words make no sense, so can't be classified

   ✓ Correct