

Week 2 Quiz

Graded Assignment • 30 min

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English ▾

Due

Jun 1, 10:59 PM CST

Your grade: 100%

Your latest: 100% • Your highest: 100%

To pass you need at least 80%. We keep your highest score.

Next item →

1. To use word embeddings in TensorFlow, in a Sequential model, what is the name of the layer?

1 / 1 point

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



Correct

That's right!

2. Using the default settings, what does the 'max_tokens' parameter do when initializing the TextVectorization layer?

1 / 1 point

- ☐ It errors out if there are more than max_tokens distinct words in the corpus
- ☒ It specifies the maximum size of the vocabulary, and picks the most common 'max_tokens - 2' words
- ☐ It specifies the maximum size of the vocabulary, and picks the most common 'max_tokens - 1' words
- ☐ It specifies the maximum size of the vocabulary, and picks the most common 'max_tokens' words



Correct

That's right! This includes the 0 index for padding and 1 for out-of-vocabulary words.

3. 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 Data
- ☒ TensorFlow Datasets
- ☐ There is no library of common data sets, you have to use your own
- ☐ TensorFlow Data Libraries



Correct

Correct!

4. What is the purpose of the embedding dimension?

1 / 1 point

- ☒ It is the number of dimensions for the vector representing the word encoding
- ☐ 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



Correct

That's right!

5. 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
- ☐ Binary Gradient descent
- ☐ Adam



Correct

Correct!

6. 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

Correct!

7. 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!