

## Word Embeddings

Video: A conversation with Andrew Ng
2 min

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- Video: Introduction 2 min
- Video: The IMBD dataset
  1 min
- Reading: IMDB reviews dataset
  10 min
- Video: Looking into the details
  4 min
- Video: How can we use vectors?
  2 min
- Video: More into the details 2 min
- Reading: Check out the code!
  10 min
- Video: Notebook for lesson
- Video: Remember the sarcasm dataset?

10 min

- 1 min

  Video: Building a classifier
- 1 min

  Video: Let's talk about the loss function

for the sarcasm dataset

Reading: Check out the code!

1 min

10 min

43 sec

- Video: Pre-tokenized datasets
- Reading: TensorFlow datasets
  10 min
- Video: Diving into the code (part 1)
  1 min
- Reading: Subwords text encoder
  10 min
- Video: Diving into the code (part 2)
  2 min
- Reading: Check out the code!
  10 min
- Video: Notebook for lesson 3 5 min
- Quiz: Week 2 Quiz 8 questions
- Reading: Week 2 Wrap up
  10 min

Weekly Exercise- More on the BBC News Archive

tf.keras.layers.Embed

tf.keras.layers.WordEmbedding

✓ Congratulations! You passed!

TO PASS 80% or AllyTer

Week 2 Quiz

Keep Learning

grade 100%



## Get closer to your goal

You are **11%** more likely to complete the course if you finish the assignment

| 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?  There is no library of configure 24, 12:29 PM IST.  There is no library of configure 24, 12:29 PM IST.  There is no library of configure 24, 12:29 PM IST.  There is no library of configure 24, 12:29 PM IST. | 1 / 1 point   | Try again                                |
|----|---|---------------|--|
|    | TensorFlow Data  Receive grade  TensorFlow Data Libraries  TO PASS 80% or higher  TensorFlow Datasets   | Grade<br>100% | View Feedback We keep your highest score |
|    | ✓ Correct   |               | 6 P                                      |
| 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  |               |  |
|    | 60,000 records, 80/20 train/test split  |               |  |
|    | 50,000 records, 50/50 train/test split  |               |  |
|    | 50,000 records, 80/20 train/test split  |               |  |
|    | ✓ Correct   |               |  |
| 3. | How are the labels for the IMDB dataset encoded?  | 1/1 point     |  |
|    | Reviews encoded as a boolean true/false   |               |  |
|    | Reviews encoded as a number 1-10  |               |  |
|    | Reviews encoded as a number 0-1   |               |  |
|    | Reviews encoded as a number 1-5   |               |  |
|    | ✓ 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 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 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 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  |               |  |
|    | It errors out if there are more than n distinct words in the corpus   |               |  |
|    | ✓ 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.Embedding   |               |  |
|    | tf.keras.layers.Word2Vector   |               |  |