



Sentiment Analysis 1 - Preparing IMDB Data

Press **F11** to exit full screen

[< Dashboard](#)[Ask Doubts](#)

CO Hello, Colaboratory - Colaboratory X Sentiment Analysis using Neural Network X New Tab

https://colab.research.google.com/drive/1Rz3tskCsZSBsug_ivhVCKPdpLvJu_e-q#scrollTo=s2jP5eto8TVE

Most Visited Getting Started Adobe App Scaling on... Project 2 · Issue #40 · ... NLP AmoebaAdmin

Sentiment Analysis using Neural Network

File Edit View Insert Runtime Tools Help

CODE TEXT CELL CELL

CONNECTED EDITING

```
[2] _((XT,YT),(Xt,Yt)) = imdb.load_data(num_words=10000)
```

Downloading data from <https://s3.amazonaws.com/text-datasets/imdb.npz>
17465344/17464789 [=====] - 0s 0us/step

```
[3] len(XT)
```

25000

```
[4] len(Xt)
```

25000

```
[6] print(XT[0])
```

[1, 14, 22, 16, 43, 530, 973, 1622, 1385, 65, 458, 4468, 66, 3941, 4, 173, 36, 256, 5, 25, 100, 43, 838, 112, 50, 670, 2, 9, 35, 480, 284, 5, 150

I love orange.
[1, 7, 5]

1	- 1
2	
3	
4	
5	- orange
7	- love



Sentiment Analysis using Neural Network

File Edit View Insert Runtime Tools Help

COMMENT

SHARE



CODE TEXT CELL CELL

CONNECTED

EDITING

```
[7] word_idx = imdb.get_word_index()
```

```
Downloading data from https://s3.amazonaws.com/text-datasets/imdb word index.json
1646592/1641221 [=====] - 0s 0us/step
```

```
[8] print(word_idx.items())
```

```
dict_items([('fawn', 34701), ('tsukino', 52006), ('nunnery', 52007), ('sonja', 16816), ('vani', 63951), ('woods', 1408), ('spiders', 16115), ('ha
```

```
[9] idx_word = dict([value, key] for (key, value) in word_idx.items())
```

```
[10] print(idx_word.items())
```

```
dict_items([(34701, 'fawn'), (52006, 'tsukino'), (52007, 'nunnery'), (16816, 'sonja'), (63951, 'vani'), (1408, 'woods'), (16115, 'spiders'), (234
```

```
actual_review = ' '.join([idx_word.get(idx-3)])
```

{
|
<pad>
<S>
<UNK>