glove word vectors

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1 Download Pre-Trained Global Vectors (GloVe) for Word Representation

We use a dataset that contains 1.6 million training and 350 test tweets from 2009 with algorithmically assigned binary positive and negative sentiment scores that are fairly evenly split.

1.1 Imports & Settings

```
[1]: from pathlib import Path import requests from io import BytesIO from zipfile import ZipFile from tqdm import tqdm
```

1.2 Download and unzip

You can learn more about the data and manually download them from here.

```
[2]: path = Path('glove')
if not path.exists():
    path.mkdir()
```

Downloads can take 10-20 min per target or longer, dpending on your connection. You can paste one of the urls in a browser do check download speed & time estimate.

```
[5]: for url, targets in zip(URLs, all_targets):
    print(f'downloading {targets}...')
    response = requests.get(url).content
    print('done')
    with ZipFile(BytesIO(response)) as zip_file:
```

```
for file in tqdm(zip_file.namelist()):
             if file in targets:
                 local_file = path / file
                 if not local_file.exists():
                     with local_file.open('wb') as output:
                         for line in zip_file.open(file).readlines():
                             output.write(line)
downloading ('glove.6B.100d.txt', 'glove.6B.300d.txt')...
  0%1
               | 0/4 [00:00<?, ?it/s]
done
100%|
          | 4/4 [00:11<00:00, 2.85s/it]
downloading ('glove.twitter.27B.200d.txt',)...
  0%|
               | 0/4 [00:00<?, ?it/s]
done
100%|
          | 4/4 [00:16<00:00, 4.02s/it]
downloading ('glove.840B.300d.txt',)...
  0%|
               | 0/1 [00:00<?, ?it/s]
done
100%|
          | 1/1 [00:58<00:00, 58.75s/it]
```