2.1. Preprocessing_w2v_100_tweets

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In [2]: import pandas as pd
                     import numpy as np
                     import timeit
                     import nltk
                     import scipy.spatial.distance as distance
In [5]: df = pd.read_csv('datasetG.txt', sep="\n", names=['p1'])
In [6]: # Words are separated, creating a list of words instead of a string and then calculati
                     df['p1'] = pd.Series([nltk.word_tokenize(x[0]) for x in df.itertuples(index=False)], in the interpolation of 
In [7]: #I did it in a start to remove:, ... but then I remembered that they are punctuation
                     #so it doesn't work remove he, to... print stopwords if you want to see them all.
                     from nltk.corpus import stopwords
                     stopwords = nltk.corpus.stopwords.words('english')
                     df['p1'] = df['p1'].apply(lambda x: [item for item in x if item not in stopwords])
In [3]: #Word2Vec load in memory
                     import gensim
                     start_time = timeit.default_timer()
                    model = gensim.models.KeyedVectors.load('../../quora/data/GoogleNews-vectors-negative3
                    print(timeit.default_timer() - start_time)
33.81267497999988
In [5]: # For each document or tweet it generates a dict with all the words in the tweet and t
                     def feature_vector(tweet, num_features, model):
                                #print(tweet)
                               words_not_founded = set()
                               featureVec = np.zeros((num_features,), dtype="float32")
                               vecTweet = {}
                               for word in tweet:
```