

D213-AdvancedDataAnalyticsPA2-Jason's MacBook Pro

August 24, 2022

0.0.1 D213 - Advanced Data Analytics - PA2

0.0.2 Background Info:

Build a neural network designed to learn word usage and context using NLP techniques.

You will provide visualizations and a report, as well as build your network in an interactive development environment.

A1 Question: *Using historical product reviews, what effect will Natural Language Processing and Neural Networks have on the ability to accurately predict future consumer sentiment?*

```
[58]: # Standard libraries

import numpy as np # Array manipulation
import pandas as pd # DataFrame manipulation

# Plot Data
import seaborn as sns # for plotting
import matplotlib.pyplot as plt
%matplotlib inline
# import plotly.offline as py # for plotting
# py.init_notebook_mode(connected=True)
# import plotly.graph_objs as go
# import plotly.tools as tls
# import plotly.express as px

# Local File Path Handling
import gzip # for reading compressed files
import os, sys # OS and System commands

# Stripping out unnecessary chars
import re # regex

# Handle Warnings
import warnings
warnings.filterwarnings('ignore')
# Warnings filter
```

```

from warnings import simplefilter
# ignore all future warnings
simplefilter(action='ignore', category=FutureWarning)

# Timer for debugging
%time
%timeit

```

CPU times: user 1e+03 ns, sys: 1e+03 ns, total: 2 µs
Wall time: 3.81 µs

[59]: *# Analytics Library Imports*

```

from scipy import signal
import sklearn # Predictive Analytics
from sklearn import preprocessing
from sklearn.preprocessing import OneHotEncoder
from sklearn import model_selection
from sklearn.model_selection import train_test_split

```

[60]: *# TensorFlow and Keras*

```

import tensorflow as tf # ML / Deep Learning
import keras # Deep Learning API
from keras import preprocessing

from tensorflow.keras.preprocessing.text import Tokenizer
from tensorflow.keras.callbacks import EarlyStopping
from tensorflow.keras.models import load_model, Sequential
from tensorflow.keras.layers import Dense, Dropout, Embedding, LSTM, L
    ↪ SpatialDropout1D
from tensorflow.keras.preprocessing.sequence import pad_sequences

```

[61]: *import nltk # Natural Language Processing*
nltk.download('omw-1.4') *# Download the OntoMW dictionary*
from nltk.corpus import stopwords *# NLTK Corpus Stopwords*
from wordcloud import WordCloud, STOPWORDS, ImageColorGenerator *# For WordCloud*
from PIL import Image *#Pillow with WordClout*
from nltk.tokenize import word_tokenize *# from nltk import word_tokenize*
#from nltk import word_tokenize
from nltk.stem import PorterStemmer as porter *# Stemming of Strings*
nltk.download('stopwords')
nltk.download('punkt')
nltk.download('wordnet')

[nltk_data] Downloading package omw-1.4 to
[nltk_data] /Users/jasonwillis/nltk_data...

```

[nltk_data] Package omw-1.4 is already up-to-date!
[nltk_data] Downloading package stopwords to
[nltk_data] /Users/jasonewilllis/nltk_data...
[nltk_data] Package stopwords is already up-to-date!
[nltk_data] Downloading package punkt to
[nltk_data] /Users/jasonewilllis/nltk_data...
[nltk_data] Package punkt is already up-to-date!
[nltk_data] Downloading package wordnet to
[nltk_data] /Users/jasonewilllis/nltk_data...
[nltk_data] Package wordnet is already up-to-date!

```

[61]: True

```

[62]: from platform import python_version
print('The python version used is: %s' % python_version())
print('TensorFlow Version used is: ',tf.__version__)

```

```

The python version used is: 3.7.13
TensorFlow Version used is: 2.7.0

```

```

[63]: # %lsmagic

```

```

[64]: # Verify Input File Locations
print(os.listdir(path='./Data/sentiment_labelled_sentences/'))
# Output: ['.DS_Store', 'combo.txt', 'amazon_cells_labelled.txt', 'readme.txt',
↳ 'yelp_labelled.txt', 'imdb_labelled.txt']

```

```

['combo.txt', 'amazon_cells_labelled.txt', 'readme.txt', '.ipynb_checkpoints',
'yelp_labelled.txt', 'imdb_labelled.txt']

```

```

[65]: # load data file
df_amz = pd.read_csv('./Data/sentiment_labelled_sentences/amazon_cells_labelled.
↳txt', delimiter='\t', header=None)
df_amz.columns = ['review', 'sentiment']

df_imdb = pd.read_csv('./Data/sentiment_labelled_sentences/imdb_labelled.txt',
↳delimiter='\t', header=None)
df_imdb.columns = ['review', 'sentiment']

df_yelp = pd.read_csv('./Data/sentiment_labelled_sentences/yelp_labelled.txt',
↳delimiter='\t', header=None)
df_yelp.columns = ['review', 'sentiment']

```

```

[66]: # Concatinate and Read in Combo File to DF

df_concat = pd.concat([df_amz, df_imdb, df_yelp], axis=0)
df = df_concat.copy()

```

```
df.reset_index(drop=True, col_fill=True, inplace=True)
#df.info()
df.head()
```

```
[66]: review \
0 So there is no way for me to plug it in here in the US unless I go by a
converter.
1 Good case, Excellent
value.
2 Great for the
jawbone.
3 Tied to charger for conversations lasting more than 45 minutes.MAJOR
PROBLEMS!!
4 The mic is
great.
```

```
sentiment
0 0
1 1
2 1
3 0
4 1
```

```
[67]: # Create Label for ratings 1 and 0 - just for the experience if ratings were 0
↪ - 5
def label(i):
    return 1 if i >= 1 else 0
df['label'] = df['sentiment'].apply(label)
df.head(10)
```

```
[67]: review \
0 So there is no way for me to plug it in here in
the US unless I go by a converter.
1 Good case, Excellent value.
2 Great for the jawbone.
3 Tied to charger for conversations lasting
more than 45 minutes.MAJOR PROBLEMS!!
4 The mic is great.
5 I have to jiggle the plug to get it to
line up right to get decent volume.
6 If you have several dozen or several hundred contacts, then imagine the fun
of sending each of them one by one.
7 If you
are Razr owner...you must have this!
```

```

8
Needless to say, I wasted my money.
9
What a waste of money and time!.

```

	sentiment	label
0	0	0
1	1	1
2	1	1
3	0	0
4	1	1
5	0	0
6	0	0
7	1	1
8	0	0
9	0	0

```

[68]: #Rename the columns
#df.rename(columns = {"rating": "overall"}, inplace=True) Do this if applicable
↳but I'm not doing here.

# Drop the column named rating
#df.drop(['sentiment'],axis=1)
df = df.drop(['sentiment'],axis=1)
df.head()

```

```

[68]: review \
0 So there is no way for me to plug it in here in the US unless I go by a
converter.
1 Good case, Excellent
value.
2 Great for the
jawbone.
3 Tied to charger for conversations lasting more than 45 minutes.MAJOR
PROBLEMS!!
4 The mic is
great.

```

	label
0	0
1	1
2	1
3	0
4	1

```

[69]: #pd.DataFrame(df_concat).to_csv('./Output/_df_CONCAT.csv')
#pd.DataFrame(df).to_csv('./Output/_Start_df.csv')

```

```
[70]: # Convert non-string values (if any)
for i in range(0, len(df)-1):
    if type(df.iloc[i] ['review'])!= str:
        count +=1
    df.iloc[i] ['review'] = str(df.iloc[i] ['review'])
    print("Converted Review(s): ", count)
```

```
[71]: # Convert/Verify Review Field to Lowercase String
df['review'] = df['review'].astype(str).str.lower()
#df['review'] = df['review'].str.lower()

# Convert/Verify label Field to Int
df['label'] = df['label'].astype(int)
df.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 2748 entries, 0 to 2747
Data columns (total 2 columns):
#   Column  Non-Null Count  Dtype
---  -
0    review    2748 non-null     object
1    label     2748 non-null     int64
dtypes: int64(1), object(1)
memory usage: 43.1+ KB
```

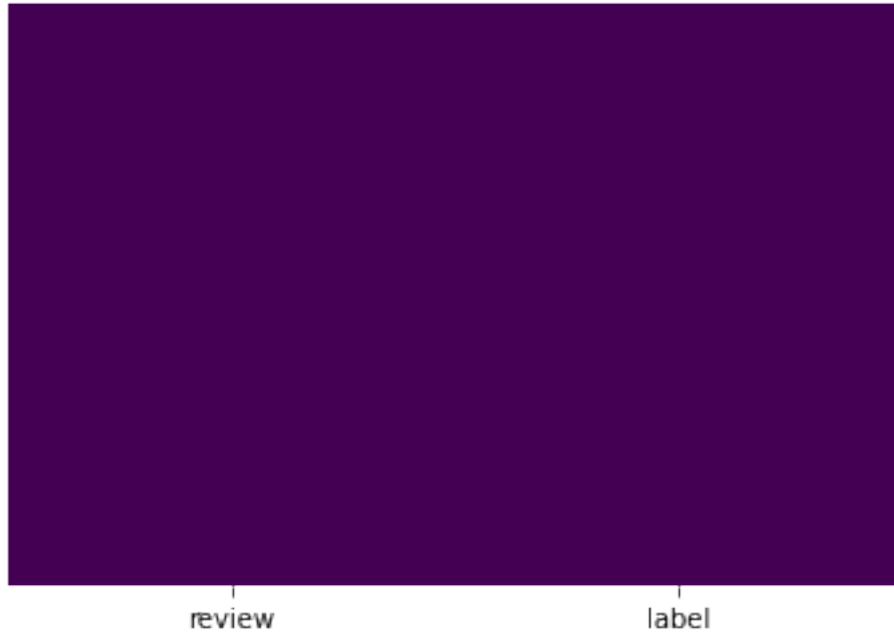
```
[72]: # Drop any null columns
df = df.dropna()

# Any Null Values?
df.isnull().any()
```

```
[72]: review    False
label       False
dtype: bool
```

0.0.3 Check for Missing Values

```
[73]: # Mapping to view missing data...none present.
sns.heatmap(df.isnull(), yticklabels=False, cbar=False, cmap='viridis');
```



```
[74]: def remove_punctuation(text):
        final = "".join(u for u in text if u not in ("?", "!", ".", ",", ":", ";",
        ↵ "\", "'", "~", "-"))
        return final
df['review'] = df['review'].apply(remove_punctuation)
df = df.dropna(subset=['review'])
#df['Summary'] = df['review'].apply(remove_punctuation)
#df_new = df[['Summary', 'sentiment']]
print("Longest Summary Review: ",len(max(df['review'])), " chars")
#df.head(-5)
```

Longest Summary Review: 57 chars

Explore Data

```
[75]: # Sample DataFrame Fields
df.head()
```

```
[75]: review \
0  so there is no way for me to plug it in here in the us unless i go by a
converter
1                                                                 good case excellent
value
2                                                                 great for the
jawbone
3      tied to charger for conversations lasting more than 45 minutesmajor
```

```
problems
4
great
```

the mic is

```
label
0    0
1    1
2    1
3    0
4    1
```

```
[76]: # Understand Columns, Shape and Types
print("*****"*5)
print("* DF Columns: ",df.columns)
print("* DF Shape: ",df.shape)
print("*****"*5)
pd.set_option('display.max_colwidth', 5000) # set max width
df.info()
```

```
*****
* DF Columns: Index(['review', 'label'], dtype='object')
* DF Shape: (2748, 2)
*****
<class 'pandas.core.frame.DataFrame'>
Int64Index: 2748 entries, 0 to 2747
Data columns (total 2 columns):
#   Column  Non-Null Count  Dtype
---  -
0   review  2748 non-null     object
1   label   2748 non-null     int64
dtypes: int64(1), object(1)
memory usage: 64.4+ KB
```

```
[77]: df.describe(include='all')
```

```
[77]:
```

	review	label
count	2748	2748.000000
unique	2719	NaN
top	great phone	NaN
freq	6	NaN
mean	NaN	0.504367
std	NaN	0.500072
min	NaN	0.000000
25%	NaN	0.000000
50%	NaN	1.000000
75%	NaN	1.000000
max	NaN	1.000000


```
[78]: # Tally Review Field Counts
print("Percentage of Pos/Neg Reviews:\n", df['label'].value_counts() /
      ↪len(df['label']))
print("Totals:\n",df['label'].value_counts()) # Notice pos/neg ~approx equal
```

Percentage of Pos/Neg Reviews:

1 0.504367

0 0.495633

Name: label, dtype: float64

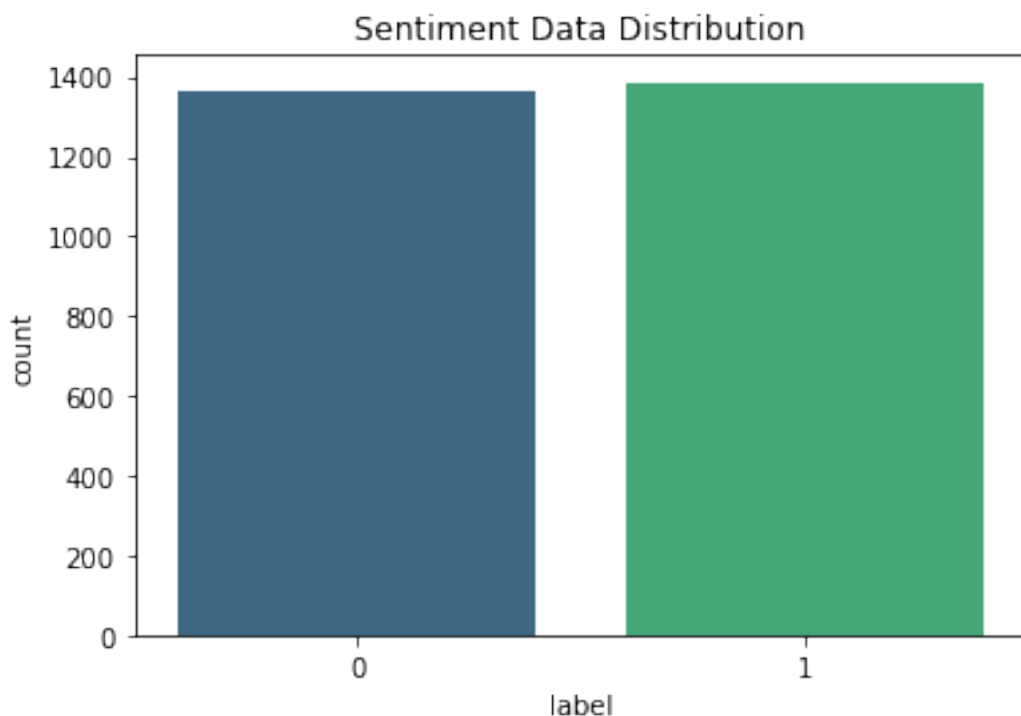
Totals:

1 1386

0 1362

Name: label, dtype: int64

```
[79]: # View Data Distro
sns.countplot(data=df, x='label', palette='viridis').set(title='Sentiment Data_
      ↪Distribution');
```



```
[80]: # Longest Review
length_of_reviews = df.review.str.len()

type(length_of_reviews) # pandas.core.series.Series
```

```
# Find Max Length
print("Min: ", min(length_of_reviews))
print("Max: ", max(length_of_reviews))
```

Min: 7
Max: 7699

```
[81]: review_df = df
      review_df.shape
```

[81]: (2748, 2)

```
[82]: # Vocab Size (B1b)
      tokenizer = Tokenizer()
      tokenizer.fit_on_texts(review_df['review']) # Fit tokenizer on reviews
      print('Vocab Size: ', len(tokenizer.word_index)+1) # Vocab size is the number_
        ↳ of unique words + 1 for the 0 index
```

Vocab Size: 5383

```
[83]: # Remove Stop Words
      description_list = [] # Create empty list to store cleaned reviews
      stop_words = stopwords.words('english')

      for description in review_df.review: # Loop through each review
          description = re.sub("[^a-zA-Z]", " ", description)

          #Convert to lower case
          description = description.lower()

          #Perform tokenization
          description=nlk.word_tokenize(description)

          #Perform lemmatization to bring the words to its root or join the inflected_
            ↳ words.
          lemma = nltk.WordNetLemmatizer()
          description = [lemma.lemmatize(word) for word in description]

          #Removing stopwords
          description = [word for word in description if not word in stop_words]
          description = " ".join(description)
          description_list.append(description)
```

```
[84]: # Display first five 5 reviews
      description_list[0:5]
```

```
[84]: ['way plug u unless go converter',
      'good case excellent value',
      'great jawbone',
      'tied charger conversation lasting minutesmajor problem',
      'mic great']
```

```
[85]: print(stop_words)
```

```
['i', 'me', 'my', 'myself', 'we', 'our', 'ours', 'ourselves', 'you', "you're",
"you've", "you'll", "you'd", 'your', 'yours', 'yourself', 'yourselves', 'he',
'him', 'his', 'himself', 'she', "she's", 'her', 'hers', 'herself', 'it', "it's",
'its', 'itself', 'they', 'them', 'their', 'theirs', 'themselves', 'what',
'which', 'who', 'whom', 'this', 'that', "that'll", 'these', 'those', 'am', 'is',
'are', 'was', 'were', 'be', 'been', 'being', 'have', 'has', 'had', 'having',
'do', 'does', 'did', 'doing', 'a', 'an', 'the', 'and', 'but', 'if', 'or',
'because', 'as', 'until', 'while', 'of', 'at', 'by', 'for', 'with', 'about',
'against', 'between', 'into', 'through', 'during', 'before', 'after', 'above',
'below', 'to', 'from', 'up', 'down', 'in', 'out', 'on', 'off', 'over', 'under',
'again', 'further', 'then', 'once', 'here', 'there', 'when', 'where', 'why',
'how', 'all', 'any', 'both', 'each', 'few', 'more', 'most', 'other', 'some',
'such', 'no', 'nor', 'not', 'only', 'own', 'same', 'so', 'than', 'too', 'very',
's', 't', 'can', 'will', 'just', 'don', "don't", 'should', "should've", 'now',
'd', 'll', 'm', 'o', 're', 've', 'y', 'ain', 'aren', "aren't", 'couldn',
"couldn't", 'didn', "didn't", 'doesn', "doesn't", 'hadn', "hadn't", 'hasn',
"hasn't", 'haven', "haven't", 'isn', "isn't", 'ma', 'mightn', "mightn't",
'mustn', "mustn't", 'needn', "needn't", 'shan', "shan't", 'shouldn',
"shouldn't", 'wasn', "wasn't", 'weren', "weren't", 'won', "won't", 'wouldn',
"wouldn't"]
```

```
[86]: # Character Count
commentary = df['review'].str.lower()
list_of_chars = []
for comment in commentary:
    for character in comment:
        if character not in list_of_chars:
            list_of_chars.append(character)
num_of_chars = len(list_of_chars)
print("Number of Characters: ", num_of_chars)
print(list_of_chars) # Notice the presence of unusual characters (B1a)
```

Number of Characters: 56

```
['s', 'o', ' ', 't', 'h', 'e', 'r', 'i', 'n', 'w', 'a', 'y', 'f', 'm', 'p', 'l',
'u', 'g', 'b', 'c', 'v', 'd', 'x', 'j', '4', '5', 'z', 'q', '+', 'k', '/', '7',
'3', '6', '8', '0', '2', '1', ')', '(', '&', '$', '*', '%', '9', '#', '[', ']',
'\x96', '\t', '\n', 'é', '\x85', 'â', '\x97', 'ê']
```



```
[89]: max_review_length = len(description)
print("Max Review Length: ", max_review_length)
```

Max Review Length: 72

```
[90]: df.columns
```

```
[90]: Index(['review', 'label'], dtype='object')
```

```
[91]: # Use Keras Tokenizer to Filter Data and Quantify Vocab Size
keras_token = Tokenizer(filters='\t\n})~!|#*&><:;+. {/, (? $ ^ % _ - ` @) [ \ ] ',
    ↳ oov_token = '[UNK]', lower = True)

# Fit Commentary Dict Based on Frequency
keras_token.fit_on_texts(commentary)

word_count = keras_token.word_index # Create Dict Var
print('Size of data vocab: ', len(word_count)+1) # Print Word Count + 1 for O_
    ↳ index
list(word_count.items())[2015:2022] # Random Sample
```

Size of data vocab: 5384

```
[91]: [('blown', 2016),
      ('events', 2017),
      ('result', 2018),
      ('slightest', 2019),
      ('duet', 2020),
      ('doctor', 2021),
      ('extraordinary', 2022)]
```

```
[92]: # tokens = nltk.word_tokenize('Today is a wonderful day')
# stemmed_tokens = [porter.stem(token) for token in tokens]
# stemmed_tokens
```

```
[93]: # Apply Tokenizer and Pad to max length
reviews = df.review.values # Convert to array
tokenizer = Tokenizer(num_words=10000) # Set vocab size
tokenizer.fit_on_texts(reviews) # Fit tokenizer on reviews
vocab_size = len(tokenizer.word_index) + 1
encoded_docs = tokenizer.texts_to_sequences(reviews) # Convert to sequences
padded_sequence = pad_sequences(encoded_docs, maxlen=200) # max length of 200_
    ↳ words

print("Length of DataFrame: ", len(df))
print("Length of Vocab Size: ", len(tokenizer.word_index) + 1)
```

```
# oov_tok = "<oov>" # Out of Vocabulary Token
embedding_dim = 32 # Embedding Dimension
max_length = 72 # Max Length of Sentence
# trunc_type='post'
# padding_type='post'
```

Length of DataFrame: 2748
Length of Vocab Size: 5383

```
[94]: vocab_size = 15000 # Set vocab size
max_sequence_embedding = int(round(np.sqrt(np.sqrt(vocab_size)),0)) # Max
    ↳ Sequence Length
max_sequence_embedding
```

[94]: 11

```
[95]: # Convert Sentiment Scores
sentiment_label = df.label.factorize() # Convert to 0/1
sentiment_label
```

```
[95]: (array([0, 1, 1, 0, 1, 0, 0, 1, 0, 0, 1, 1, 0, 1, 0, 1, 0, 1, 1, 0, 0, 1,
    0, 1, 0, 1, 1, 0, 0, 0, 0, 1, 0, 0, 1, 0, 1, 0, 1, 0, 1, 0, 1, 0, 1, 0,
    1, 1, 0, 0, 1, 0, 0, 1, 1, 1, 1, 1, 0, 1, 1, 0, 0, 1, 1, 0, 0, 0,
    0, 1, 1, 1, 0, 0, 1, 1, 1, 1, 0, 1, 1, 0, 1, 0, 1, 0, 0, 1, 1, 0,
    1, 1, 0, 1, 1, 0, 0, 1, 0, 0, 1, 0, 1, 0, 1, 1, 0, 1, 0, 1, 0, 0,
    1, 1, 1, 1, 1, 1, 0, 1, 1, 1, 1, 0, 1, 0, 1, 1, 0, 0, 1, 0, 1, 1,
    1, 1, 1, 1, 1, 1, 0, 1, 0, 1, 0, 1, 0, 1, 0, 1, 0, 0, 1, 0, 0, 1,
    1, 1, 1, 1, 1, 1, 0, 1, 0, 1, 0, 1, 0, 1, 0, 0, 1, 0, 0, 1, 1, 1,
    1, 0, 0, 0, 0, 0, 1, 0, 0, 1, 0, 1, 0, 0, 0, 1, 1, 0, 0, 1, 1, 0,
    0, 1, 1, 0, 1, 0, 1, 0, 1, 1, 1, 1, 0, 0, 0, 1, 1, 1, 1, 1, 0, 0,
    1, 0, 0, 1, 0, 0, 1, 1, 0, 0, 0, 0, 0, 1, 1, 1, 1, 1, 1, 0, 0, 0,
    0, 0, 1, 1, 1, 0, 1, 1, 1, 1, 1, 0, 0, 0, 1, 1, 1, 1, 1, 1, 1, 0,
    0, 1, 0, 1, 0, 1, 0, 1, 0, 1, 0, 1, 0, 1, 1, 1, 1, 0, 1, 1, 1,
    0, 0, 0, 1, 1, 0, 1, 0, 1, 1, 1, 1, 0, 0, 0, 1, 1, 1, 1, 0, 0, 1,
    0, 0, 1, 0, 1, 1, 0, 0, 1, 1, 0, 0, 1, 1, 0, 0, 1, 0, 1, 0, 0, 0,
    1, 1, 1, 1, 1, 0, 0, 0, 0, 1, 0, 0, 1, 0, 1, 0, 1, 1, 0, 0, 1,
    0, 0, 1, 0, 1, 0, 1, 1, 1, 1, 1, 1, 0, 0, 1, 1, 1, 1, 0, 0, 1,
    0, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 1, 0, 0, 0, 0, 1, 0, 0, 0, 1,
    1, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 1, 0, 0, 0, 0, 1, 1, 0, 0, 1,
    0, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 1, 0, 0, 0, 0, 1, 0, 0, 0, 1,
    1, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 1, 0, 0, 0, 0, 1, 1, 0, 0, 1,
    0, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 1, 0, 0, 0, 0, 1, 0, 0, 0, 1,
    1, 1, 1, 0, 0, 0, 1, 0, 1, 0, 0, 1, 1, 0, 0, 0, 0, 1, 1, 0, 0, 1,
    0, 1, 1, 0, 0, 0, 1, 0, 1, 0, 0, 1, 1, 0, 0, 0, 0, 1, 1, 0, 0, 0,
    0, 1, 1, 0, 0, 0, 1, 0, 1, 0, 0, 1, 1, 0, 0, 0, 0, 1, 1, 1, 1,
```

[illegible]

1, 1, 1, 1, 1, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 1, 1, 1, 1, 0, 0,
0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 0,
0, 0, 1,
1, 1, 1, 1, 1, 1, 1, 0, 0, 0, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,
1, 1, 1, 1, 0, 0, 0, 1, 1, 0, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,
1, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 0, 1, 1, 1, 0,
0, 1, 0, 0, 1, 0, 0, 0, 0, 1, 1, 1, 1, 1, 0, 1, 0, 0, 1, 0, 1, 0,
1, 1, 1, 0, 1, 0, 1, 0, 0, 1, 0, 1, 0, 1, 1, 1, 1, 1, 1, 0, 1, 1,
0, 0, 1, 0, 0, 1, 1, 1, 1, 1, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 1,
1, 0, 0, 0, 0, 1, 0, 1, 0, 1, 1, 1, 0, 1, 0, 1, 0, 0, 1, 1, 0, 1,
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 0, 0, 1, 1, 1, 1, 0, 0, 0, 0, 0, 0,
1, 1, 1, 0, 0, 1, 0, 1, 0, 1, 1, 0, 1, 1, 1, 0, 1, 0, 0, 0, 0, 0,
1, 1, 0, 0, 0, 0, 1, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 1, 1,
1, 0, 0, 1, 0, 1, 1, 1, 1, 0, 0, 1, 1, 0, 0, 0, 0, 0, 1, 1, 0, 1,
1, 1, 1, 1, 0, 1, 0, 1, 0, 0, 1, 1, 1, 1, 0, 1, 1, 1, 0, 0, 0, 1,
0, 0, 1, 0, 1, 1, 0, 1, 0, 1, 0, 0, 0, 0, 0, 0, 1, 1, 1, 0, 1, 0,
1, 0, 1, 0, 0, 1, 0, 1, 0, 1, 0, 0, 0, 0, 0, 1, 1, 1, 0, 1, 0,
1, 1, 1, 0, 1, 1, 1, 1, 0, 0, 1, 0, 1, 1, 0, 1, 1, 1, 0, 1, 1, 0,
1, 0, 0, 1, 1, 1, 0, 0, 1, 1, 0, 1, 0, 1, 0, 0, 0, 1, 1, 0, 0, 0,
1, 0, 0, 1, 1, 1, 1, 1, 1, 1, 0, 1, 1, 1, 0, 0, 0, 1, 1, 0, 1, 1,
1, 0, 1, 1, 0, 1, 0, 0, 0, 1, 1, 1, 1, 0, 0, 0, 0, 1, 1, 0, 0, 1,
1, 0, 1, 1, 0, 1, 0, 0, 0, 0, 0, 1, 1, 1, 0, 0, 1, 0, 1, 0, 1, 1,
0, 1, 1, 0, 1, 0, 1, 1, 1, 1, 0, 1, 1, 0, 1, 1, 0, 0, 0, 0, 0, 1, 0,
0, 1, 1, 0, 1, 0, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 0, 0, 1,
0, 1, 1, 1, 1, 0, 1, 0, 1, 0, 1, 1, 1, 0, 1, 1, 1, 1, 1, 0, 1, 1,
1, 0, 0, 0, 0, 0, 0, 0, 1, 1, 1, 0, 1, 0, 1, 0, 1, 0, 1, 0, 1, 1,
1, 0, 1, 0, 1, 1, 1, 1, 1, 1, 1, 0, 1, 1, 1, 0, 0, 0, 0, 1, 1, 0, 0,
1, 0, 1, 0, 1, 1, 0, 0, 0, 0, 1, 1, 0, 1, 0, 0, 0, 0, 1, 1, 0, 0,
0, 0, 0, 0, 0, 0, 0, 1, 1, 0, 1, 0, 0, 1, 0, 1, 1, 0, 0, 0, 0, 1,
0, 0, 1, 0, 1, 1, 0, 0, 1, 1, 0, 0, 1, 1, 0, 1, 1, 1, 1, 1, 1, 0,
0, 0, 1, 1, 0, 0, 0, 1, 1, 0, 0, 0, 1, 0, 0, 0, 0, 0, 1, 0, 1, 1,
0, 0, 1, 1, 1, 1, 0, 1, 0, 1, 0, 0, 0, 0, 0, 0, 1, 0, 1, 0, 0, 0,


```

0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0],
Int64Index([0, 1], dtype='int64'))

```

```

[96]: print("Word Index Length: ",len(tokenizer.word_index)) # Print Word Index Length
      print(tokenizer.word_index) # Print Word Index

```

Word Index Length: 5382

```

{'the': 1, 'and': 2, 'i': 3, 'a': 4, 'is': 5, 'to': 6, 'it': 7, 'this': 8, 'of':
9, 'was': 10, 'in': 11, 'for': 12, 'not': 13, 'that': 14, 'with': 15, 'my': 16,
'very': 17, 'good': 18, 'on': 19, 'great': 20, 'you': 21, 'but': 22, 'have': 23,
'are': 24, 'movie': 25, 'as': 26, 'so': 27, 'phone': 28, 'film': 29, 'its': 30,
'all': 31, 'be': 32, 'one': 33, 'o': 34, 'had': 35, 'at': 36, '1': 37, 'food':
38, 'like': 39, 'just': 40, 'place': 41, 'time': 42, 'were': 43, 'service': 44,
'an': 45, 'if': 46, 'from': 47, 'really': 48, 'there': 49, 'bad': 50, 'they':
51, 'we': 52, 'out': 53, 'has': 54, 'well': 55, 'about': 56, 'dont': 57,
'would': 58, 'or': 59, 'no': 60, 'your': 61, 'by': 62, 'best': 63, 'only': 64,
'even': 65, 'ever': 66, 'here': 67, 'also': 68, 'will': 69, 'back': 70, 'up':
71, 'when': 72, 'me': 73, 'more': 74, 'than': 75, 'quality': 76, 'go': 77,
'what': 78, 'love': 79, 'live': 80, 'he': 81, 'can': 82, 'made': 83, 'which': 84,
'because': 85, 'how': 86, 'product': 87, 'im': 88, 'get': 89, 'too': 90,
'their': 91, 'work': 92, 'some': 93, 'any': 94, 'works': 95, 'could': 96,
'nice': 97, 'better': 98, 'excellent': 99, 'after': 100, 'do': 101, 'never':
102, 'recommend': 103, 'been': 104, 'much': 105, 'sound': 106, 'who': 107,
'again': 108, 'use': 109, 'did': 110, 'our': 111, 'other': 112, 'headset': 113,
'think': 114, 'his': 115, 'battery': 116, 'first': 117, 'way': 118, 'them': 119,
'see': 120, 'didnt': 121, 'make': 122, 'pretty': 123, 'acting': 124, 'most':
125, 'worst': 126, 'now': 127, 'still': 128, 'got': 129, 'does': 130, 'say':
131, 'enough': 132, '2': 133, 'over': 134, '10': 135, 'characters': 136, 'two':
137, 'ear': 138, 'little': 139, 'disappointed': 140, 'everything': 141, 'am':
142, 'every': 143, 'then': 144, 'thing': 145, 'price': 146, 'being': 147,
'right': 148, 'waste': 149, 'going': 150, 'people': 151, 'these': 152, 'case':
153, 'off': 154, 'definitely': 155, 'minutes': 156, 'real': 157, 'terrible':
158, 'amazing': 159, 'money': 160, 'look': 161, 'movies': 162, 'new': 163,
'both': 164, 'know': 165, 'experience': 166, 'cant': 167, 'came': 168, 'into':
169, 'doesnt': 170, 'few': 171, 'many': 172, 'wont': 173, 'friendly': 174,
'story': 175, 'her': 176, 'far': 177, 'poor': 178, 'piece': 179, 'used': 180,
'worth': 181, 'plot': 182, 'films': 183, 'us': 184, 'seen': 185, 'long': 186,
'years': 187, 'life': 188, 'want': 189, 'lot': 190, 'while': 191, 'quite': 192,
'nothing': 193, 'wonderful': 194, 'restaurant': 195, 'she': 196, 'happy': 197,
'always': 198, 'script': 199, 'highly': 200, 'found': 201, 'give': 202,
'anyone': 203, 'wasnt': 204, 'delicious': 205, 'times': 206, 'character': 207,
'watching': 208, 'bought': 209, 'absolutely': 210, 'loved': 211, 'car': 212,
'fine': 213, 'camera': 214, 'should': 215, 'worked': 216, 'easy': 217, 'around':
218, 'probably': 219, 'take': 220, 'another': 221, 'awful': 222, 'vegas': 223,

```

'comfortable': 224, 'went': 225, 'buy': 226, 'since': 227, 'item': 228,
 'screen': 229, 'funny': 230, 'same': 231, 'awesome': 232, 'before': 233,
 'horrible': 234, 'however': 235, 'charger': 236, 'impressed': 237, 'makes': 238,
 'couldnt': 239, 'cool': 240, 'find': 241, 'big': 242, 'down': 243, 'music': 244,
 'where': 245, 'thought': 246, 'stars': 247, 'those': 248, 'things': 249,
 'totally': 250, 'scenes': 251, 'watch': 252, 'staff': 253, 'eat': 254, 'though':
 255, 'last': 256, 'talk': 257, 'bluetooth': 258, 'end': 259, 'such': 260, 'job':
 261, 'small': 262, 'fantastic': 263, 'slow': 264, 'night': 265, 'part': 266,
 'come': 267, 'show': 268, 'cast': 269, 'actors': 270, 'must': 271, '5': 272,
 'beautiful': 273, 'black': 274, 'kind': 275, 'cheap': 276, 'ordered': 277,
 'family': 278, 'old': 279, 'stupid': 280, 'said': 281, 'day': 282, 'perfect':
 283, 'thats': 284, 'sure': 285, 'performance': 286, 'actually': 287,
 'reception': 288, 'avoid': 289, 'overall': 290, 'feel': 291, 'next': 292,
 'fresh': 293, 'chicken': 294, 'problems': 295, 'line': 296, 'problem': 297,
 'least': 298, 'working': 299, 'order': 300, 'tried': 301, 'between': 302,
 'done': 303, 'simply': 304, 'felt': 305, 'id': 306, 'bit': 307, 'sucks': 308,
 'try': 309, 'especially': 310, 'hard': 311, 'scene': 312, 'interesting': 313,
 'menu': 314, 'salad': 315, 'pizza': 316, 'each': 317, 'everyone': 318,
 'without': 319, 'hear': 320, 'charge': 321, 'calls': 322, 'looks': 323,
 'purchase': 324, 'gets': 325, 'expect': 326, 'fit': 327, 'fast': 328, 'cell':
 329, 'completely': 330, 'almost': 331, 'customer': 332, 'either': 333,
 'anything': 334, 'low': 335, 'ill': 336, 'away': 337, 'liked': 338, 'coming':
 339, 'man': 340, 'enjoyed': 341, 'writing': 342, 'worse': 343, 'special': 344,
 'taste': 345, 'wait': 346, 'steak': 347, 'left': 348, 'short': 349, 'clear':
 350, 'phones': 351, 'seriously': 352, 'different': 353, 'device': 354, 'using':
 355, 'white': 356, 'call': 357, 'year': 358, 'whole': 359, 'rather': 360,
 'bland': 361, 'through': 362, 'hour': 363, 'dialogue': 364, 'server': 365,
 'sushi': 366, 'flavor': 367, 'plug': 368, 'volume': 369, 'several': 370,
 'started': 371, 'design': 372, '3': 373, 'super': 374, 'play': 375, 'motorola':
 376, 'full': 377, 'may': 378, 'getting': 379, 'perfectly': 380, 'side': 381,
 'put': 382, 'incredible': 383, 'extremely': 384, 'tell': 385, 'return': 386,
 'disappointing': 387, 'looking': 388, 'having': 389, 'deal': 390, 'understand':
 391, 'unfortunately': 392, 'took': 393, 'enjoy': 394, 'believe': 395, 'fact':
 396, 'art': 397, 'saw': 398, 'buffet': 399, 'feeling': 400, 'watched': 401,
 'burger': 402, 'yet': 403, 'three': 404, 'need': 405, 'received': 406, 'huge':
 407, 'light': 408, 'fits': 409, 'during': 410, 'hours': 411, 'less': 412,
 'once': 413, 'stay': 414, 'theres': 415, 'certainly': 416, 'mess': 417,
 'disappointment': 418, 'care': 419, 'hot': 420, 'crap': 421, 'sucked': 422,
 'barely': 423, 'truly': 424, 'mediocre': 425, 'soon': 426, 'kids': 427,
 'ending': 428, 'atmosphere': 429, 'tasty': 430, 'meal': 431, 'fun': 432,
 'wasted': 433, 'original': 434, 'days': 435, 'months': 436, 'recommended': 437,
 'kept': 438, 'picture': 439, 'home': 440, 'high': 441, 'strong': 442, 'pleased':
 443, 'area': 444, 'gave': 445, 'wrong': 446, 'none': 447, 'own': 448, 'friends':
 449, 'together': 450, 'effects': 451, 'easily': 452, 'inside': 453,
 'predictable': 454, 'actor': 455, 'played': 456, 'boring': 457, 'director': 458,
 'why': 459, 'cold': 460, 'selection': 461, 'prices': 462, 'sauce': 463, 'lunch':
 464, 'breakfast': 465, 'waited': 466, 'decent': 467, 'helpful': 468, 'turn':
 469, 'dropped': 470, 'seems': 471, 'wear': 472, 'series': 473, 'broke': 474,

'voice': 475, 'glad': 476, 'wouldnt': 477, 'lost': 478, 'company': 479, 'hands':
 480, 'junk': 481, 'amazon': 482, 'ago': 483, 'couple': 484, 'face': 485,
 'trying': 486, 'wanted': 487, 'keep': 488, 'cannot': 489, 'guess': 490,
 'something': 491, 'bar': 492, 'top': 493, 'places': 494, 'half': 495,
 'cinematography': 496, 'directing': 497, 'game': 498, 'horror': 499, 'myself':
 500, 'him': 501, 'drama': 502, 'waitress': 503, 'second': 504, 'style': 505,
 'spot': 506, 'eating': 507, 'fries': 508, 'table': 509, 'sandwich': 510, 'meat':
 511, 'dishes': 512, 'clean': 513, 'value': 514, 'simple': 515, 'hate': 516,
 'garbage': 517, 'audio': 518, 'verizon': 519, 'buttons': 520, 'perhaps': 521,
 'let': 522, 'headsets': 523, 'arrived': 524, 'quickly': 525, 'pictures': 526,
 'although': 527, 'ask': 528, 'jabra': 529, 'set': 530, 'house': 531,
 'obviously': 532, 'check': 533, 'expected': 534, 'important': 535, 'someone':
 536, 'weak': 537, 'average': 538, 'others': 539, 'finally': 540, 'today': 541,
 'waiting': 542, 'comes': 543, 'oh': 544, 'unit': 545, '20': 546, 'under': 547,
 'given': 548, 'star': 549, 'quick': 550, 'plus': 551, 'point': 552, 'pay': 553,
 'told': 554, 'entire': 555, 'tv': 556, 'else': 557, 'fails': 558, 'cinema': 559,
 'amount': 560, 'itself': 561, 'twice': 562, 'suspense': 563, 'playing': 564,
 'human': 565, 'overpriced': 566, 'beer': 567, 'dish': 568, 'dining': 569,
 'spicy': 570, 'rude': 571, 'tasted': 572, 'priced': 573, 'mind': 574,
 'reasonable': 575, 'front': 576, 'cover': 577, 'week': 578, 'later': 579,
 'feels': 580, 'within': 581, 'free': 582, 'software': 583, 'brilliant': 584,
 'literally': 585, 'superb': 586, 'internet': 587, 'charm': 588, 'useless': 589,
 'color': 590, 'room': 591, 'mostly': 592, 'authentic': 593, 'cable': 594,
 'nokia': 595, 'outside': 596, 'mention': 597, 'might': 598, 'solid': 599,
 'review': 600, 'store': 601, 'isnt': 602, 'course': 603, 'needed': 604, 'wall':
 605, 'whatever': 606, 'word': 607, 'joy': 608, 'girl': 609, 'lines': 610,
 'single': 611, 'editing': 612, 'written': 613, 'annoying': 614, 'classic': 615,
 'bring': 616, 'maybe': 617, 'world': 618, 'possible': 619, 'beyond': 620,
 'john': 621, 'action': 622, 'hope': 623, 'location': 624, 'sick': 625, 'subtle':
 626, 'drive': 627, '30': 628, 'comedy': 629, 'heart': 630, 'tender': 631,
 'served': 632, 'warm': 633, 'waiter': 634, 'attentive': 635, 'cooked': 636,
 'town': 637, 'ambiance': 638, 'chips': 639, 'unless': 640, 'blue': 641, 'bars':
 642, 'hold': 643, 'ears': 644, 'book': 645, 'features': 646, 'loud': 647,
 'instead': 648, 'large': 649, 'headphones': 650, 'particular': 651, 'player':
 652, 'songs': 653, 'sometimes': 654, 'longer': 655, 'costs': 656, 'wife': 657,
 'signal': 658, 'basically': 659, 'seemed': 660, 'whether': 661, 'hit': 662,
 'thin': 663, 'bother': 664, 'range': 665, 'living': 666, 'mistake': 667,
 'whatsoever': 668, '8': 669, 'feature': 670, 'poorly': 671, 'clever': 672,
 'lacking': 673, 'reason': 674, 'exactly': 675, 'dead': 676, 'plastic': 677,
 'note': 678, 'difficult': 679, 'above': 680, 'seem': 681, 'zero': 682, 'joke':
 683, 'walked': 684, 'idea': 685, 'theyre': 686, 'cases': 687, 'extra': 688,
 'reviews': 689, 'happened': 690, 'despite': 691, 'elsewhere': 692, 'rare': 693,
 'lots': 694, 'until': 695, 'making': 696, 'setting': 697, 'rating': 698, 'rest':
 699, 'wow': 700, 'ridiculous': 701, 'running': 702, 'lacks': 703, 'casting':
 704, 'hilarious': 705, 'history': 706, 'flick': 707, 'lovely': 708,
 'performances': 709, 'believable': 710, 'portrayal': 711, 'sat': 712, 'gives':
 713, 'business': 714, 'terrific': 715, 'rent': 716, 'fish': 717, 'holes': 718,
 'considering': 719, 'sweet': 720, 'seeing': 721, 'become': 722, 'leave': 723,

'throughout': 724, 'looked': 725, 'youre': 726, 'damn': 727, 'pho': 728,
 'shrimp': 729, 'potato': 730, 'management': 731, 'dinner': 732, 'razr': 733,
 'below': 734, 'charging': 735, 'owned': 736, 'provided': 737, 'sturdy': 738,
 'party': 739, 'choice': 740, 'holds': 741, 'bargain': 742, 'shipping': 743,
 'impressive': 744, 'fall': 745, 'leather': 746, 'weeks': 747, 'stuff': 748,
 'minute': 749, 'forever': 750, 'graphics': 751, 'offers': 752, 'options': 753,
 'recently': 754, 'youll': 755, 'incredibly': 756, '12': 757, 'reasonably': 758,
 'form': 759, 'embarrassing': 760, 'favorite': 761, 'buying': 762, 'games': 763,
 'belt': 764, 'data': 765, 'along': 766, 'sides': 767, 'satisfied': 768, 'you'd':
 769, 'goes': 770, 'clarity': 771, 'wish': 772, 'turned': 773, 'reading': 774,
 'computer': 775, 'ability': 776, 'roles': 777, 'ended': 778, 'total': 779,
 'please': 780, 'trash': 781, 'samsung': 782, 'connection': 783, 'rate': 784,
 'beat': 785, 'shots': 786, 'etc': 787, 'hand': 788, 'generally': 789, 'break':
 790, 'thumbs': 791, 'dirty': 792, 'havent': 793, 'utterly': 794, 'ok': 795,
 'audience': 796, 'empty': 797, 'budget': 798, 'consider': 799, '\x96': 800,
 'level': 801, 'deserves': 802, 'lame': 803, 'tom': 804, 'often': 805, 'arent':
 806, 'trip': 807, 'direction': 808, 'imagination': 809, 'cult': 810, 'mean':
 811, 'lead': 812, 'silent': 813, 'close': 814, 'hitchcock': 815, 'thriller':
 816, 'usual': 817, 'themselves': 818, 'pathetic': 819, 'lacked': 820, 'plain':
 821, 'soundtrack': 822, 'fans': 823, 'eyes': 824, 'child': 825, 'water': 826,
 'shot': 827, 'memorable': 828, 'dry': 829, 'fan': 830, '4': 831, 'involved':
 832, 'period': 833, 'particularly': 834, 'recent': 835, 'unbelievable': 836,
 '40': 837, 'sad': 838, 'asked': 839, 'tables': 840, 'portions': 841, 'dessert':
 842, 'beef': 843, 'servers': 844, 'seafood': 845, 'pasta': 846, 'tasteless':
 847, 'thai': 848, 'eaten': 849, 'seated': 850, 'bacon': 851, 'ice': 852,
 'bread': 853, 'owners': 854, 'fried': 855, 'anytime': 856, 'mic': 857,
 'sending': 858, 'clip': 859, 'advise': 860, 'website': 861, 'pair': 862, 'run':
 863, 'instructions': 864, 'pull': 865, 'moving': 866, 'included': 867,
 'worthless': 868, 'keyboard': 869, 'turns': 870, 'forget': 871, 'support': 872,
 'clearly': 873, 'fairly': 874, 'trouble': 875, 'person': 876, 'station': 877,
 'purchased': 878, 'loves': 879, 'decision': 880, 'rated': 881, 'rocks': 882,
 'number': 883, 'comfortably': 884, 'failed': 885, 'takes': 886, 'previous': 887,
 'tool': 888, 'share': 889, 'wasting': 890, 'network': 891, 'likes': 892,
 'lasts': 893, 'nearly': 894, 'anyway': 895, 'able': 896, 'issues': 897,
 'lightweight': 898, 'hair': 899, 'market': 900, 'cute': 901, 'type': 902,
 'earpiece': 903, 'unreliable': 904, 'seller': 905, 'plantronics': 906,
 'adorable': 907, 'charged': 908, 'strip': 909, 'lg': 910, 'gotten': 911,
 'immediately': 912, 'easier': 913, 'appealing': 914, 'called': 915, 'happier':
 916, 'starts': 917, 'effective': 918, 'weird': 919, 'appearance': 920,
 'expensive': 921, 'tmobile': 922, 'results': 923, 'earlier': 924, 'palm': 925,
 'replace': 926, 'touch': 927, 'ones': 928, 'missed': 929, 'cingular': 930,
 'hated': 931, 'ringtones': 932, 'due': 933, 'plays': 934, 'doing': 935,
 'killer': 936, 'treo': 937, 'genuine': 938, 'red': 939, 'third': 940, 'ready':
 941, 'chinese': 942, 'crisp': 943, 'power': 944, 'passed': 945, 'shows': 946,
 'cut': 947, 'somewhat': 948, 'cost': 949, 'son': 950, 'addition': 951,
 'disgusting': 952, 'five': 953, 'wind': 954, 'yes': 955, 'checked': 956, 'says':
 957, 'exceptional': 958, 'wonderfully': 959, 'christmas': 960, 'directed': 961,
 'young': 962, 'flat': 963, 'song': 964, 'showed': 965, 'main': 966, 'tale': 967,

'greatest': 968, 'gem': 969, 'true': 970, 'words': 971, 'massive': 972,
 'complete': 973, 'convincing': 974, 'honestly': 975, 'follow': 976, 'energy':
 977, 'pretentious': 978, 'occasionally': 979, 'including': 980, 'chemistry':
 981, 'fear': 982, 'depth': 983, 'paid': 984, 'crazy': 985, 'storyline': 986,
 'boyfriend': 987, 'gone': 988, 'already': 989, 'attempt': 990, 'camerawork':
 991, 'torture': 992, 'pleasant': 993, 'premise': 994, 'ray': 995, 'charles':
 996, 'remember': 997, 'attention': 998, 'directors': 999, 'visual': 1000,
 'mexican': 1001, 'indeed': 1002, 'thoroughly': 1003, 'theater': 1004,
 'intelligence': 1005, 'sense': 1006, 'entertaining': 1007, 'bored': 1008,
 'list': 1009, 'guy': 1010, 'hes': 1011, 'towards': 1012, 'drago': 1013,
 'enjoyable': 1014, '90': 1015, 'parts': 1016, 'sets': 1017, 'stories': 1018,
 'production': 1019, 'created': 1020, 'role': 1021, 'insult': 1022, 'death':
 1023, 'rolls': 1024, 'space': 1025, 'conclusion': 1026, 'ten': 1027, 'final':
 1028, 'serious': 1029, 'vibe': 1030, 'dark': 1031, 'honest': 1032, 'nasty':
 1033, 'delight': 1034, 'thinking': 1035, 'heard': 1036, 'mouth': 1037,
 'italian': 1038, 'beginning': 1039, 'appreciate': 1040, 'yourself': 1041,
 'tacos': 1042, 'salmon': 1043, 'visit': 1044, 'establishment': 1045, 'husband':
 1046, 'drinks': 1047, 'rice': 1048, 'yummy': 1049, 'wine': 1050, 'steaks': 1051,
 'pork': 1052, 'burgers': 1053, 'cream': 1054, 'drink': 1055, 'bay': 1056,
 'phoenix': 1057, 'wings': 1058, 'live': 1059, 'folks': 1060, 'chef': 1061,
 'tea': 1062, 'vegetables': 1063, 'soup': 1064, 'needs': 1065, 'manager': 1066,
 'jawbone': 1067, 'conversations': 1068, 'lasting': 1069, 'contacts': 1070,
 'imagine': 1071, 'needless': 1072, 'static': 1073, 'odd': 1074, 'wonder': 1075,
 'fire': 1076, 'mother': 1077, 'pocket': 1078, 'pc': 1079, 'combination': 1080,
 'speed': 1081, 'gonna': 1082, 'returned': 1083, 'protection': 1084, 'machine':
 1085, '15': 1086, 'seconds': 1087, '510': 1088, 'complaints': 1089, 'quiet':
 1090, 'saying': 1091, 'packaged': 1092, '6': 1093, 'construction': 1094, 'boy':
 1095, 'loads': 1096, 'ease': 1097, 'plan': 1098, 'beware': 1099, 'supposedly':
 1100, 'match': 1101, 'flaw': 1102, 'expectations': 1103, 'display': 1104,
 'setup': 1105, 'earpieces': 1106, 'bt': 1107, 'earbud': 1108, 'coverage': 1109,
 'tremendous': 1110, 'experienced': 1111, 'drops': 1112, 'description': 1113,
 'hoping': 1114, 'sounds': 1115, 's': 1116, 'sharp': 1117, 'chargers': 1118,
 'bucks': 1119, 'replacement': 1120, 'strange': 1121, 'means': 1122, 'sony':
 1123, 'comfort': 1124, 'aspect': 1125, 'appears': 1126, 'scary': 1127, 'drain':
 1128, 'fry': 1129, 'giving': 1130, 'scratched': 1131, 'microphone': 1132,
 'uncomfortable': 1133, 'plugged': 1134, 'driving': 1135, 'neither': 1136,
 'flip': 1137, 'inexpensive': 1138, 'sitting': 1139, 'los': 1140, 'angeles':
 1141, 'wireless': 1142, 'save': 1143, 'self': 1144, 'handsfree': 1145, 'help':
 1146, 'era': 1147, 'breaks': 1148, 'effect': 1149, 'warning': 1150, 'alone':
 1151, 'q': 1152, 'size': 1153, 'sunglasses': 1154, 'returning': 1155,
 'changing': 1156, 'worthwhile': 1157, 'pricing': 1158, 'regret': 1159, 'user':
 1160, 'pitiful': 1161, 'noise': 1162, 'holster': 1163, 'amazed': 1164, 'orders':
 1165, 'thanks': 1166, 'edge': 1167, 'refund': 1168, 'drop': 1169, 'properly':
 1170, 'flawed': 1171, 'forced': 1172, 'stop': 1173, 'speaker': 1174,
 'constructed': 1175, 'holding': 1176, 'sprint': 1177, 'effort': 1178, '50':
 1179, 'stopped': 1180, 'usb': 1181, 'apart': 1182, 'surprised': 1183,
 'fabulous': 1184, 'tinny': 1185, 'overly': 1186, 'placed': 1187, 'keeps': 1188,
 'falling': 1189, 'tiny': 1190, 'four': 1191, 'spring': 1192, 'tries': 1193,

'interested': 1194, 'continue': 1195, 'pairing': 1196, 'balance': 1197, 'explain': 1198, 'biggest': 1199, 'stand': 1200, 'video': 1201, 'occupied': 1202, 'ripped': 1203, 'iphone': 1204, 'multiple': 1205, 'outlet': 1206, 'freedom': 1207, 'mark': 1208, '100': 1209, 'plenty': 1210, 'convenient': 1211, 'date': 1212, 'wooden': 1213, 'boot': 1214, 'sorry': 1215, 'double': 1216, 'sounded': 1217, 'feet': 1218, 'father': 1219, 'send': 1220, 'describe': 1221, 'letting': 1222, 'material': 1223, 'flaws': 1224, 'beep': 1225, 'managed': 1226, 'seat': 1227, 'otherwise': 1228, 'control': 1229, 'complain': 1230, 'lousy': 1231, 'painful': 1232, 'disappoint': 1233, 'speak': 1234, 'head': 1235, 'meaning': 1236, 'baby': 1237, 'delivers': 1238, 'sea': 1239, 'faux': 1240, 'significant': 1241, 'pure': 1242, 'brilliance': 1243, 'moment': 1244, 'talented': 1245, 'fare': 1246, 'hill': 1247, 'ed': 1248, 'ladies': 1249, 'grace': 1250, 'negative': 1251, 'cause': 1252, 'children': 1253, 'parents': 1254, 'dialog': 1255, 'selections': 1256, 'gross': 1257, 'lion': 1258, 'acted': 1259, 'checking': 1260, 'touching': 1261, 'scenery': 1262, 'paper': 1263, 'episode': 1264, 'remake': 1265, 'nobody': 1266, 'putting': 1267, 'conflict': 1268, 'handled': 1269, 'bunch': 1270, 'hell': 1271, 'disaster': 1272, 'treat': 1273, 'yeah': 1274, 'cartoon': 1275, 'paul': 1276, 'women': 1277, 'brain': 1278, 'redeeming': 1279, 'appalling': 1280, 'presents': 1281, 'screenwriter': 1282, 'step': 1283, 'ups': 1284, 'age': 1285, 'industry': 1286, 'spent': 1287, 'daughter': 1288, 'singing': 1289, 'bore': 1290, 'dancing': 1291, 'dvd': 1292, 'struck': 1293, 'contained': 1294, 'aerial': 1295, 'thrilled': 1296, 'deeply': 1297, 'interest': 1298, 'narrative': 1299, 'actress': 1300, 'spoilers': 1301, 'stunning': 1302, 'fx': 1303, 'surprisingly': 1304, 'released': 1305, 'ranks': 1306, 'journey': 1307, 'memories': 1308, 'summary': 1309, 'werent': 1310, 'possibly': 1311, 'trilogy': 1312, 'favourite': 1313, 'judge': 1314, 'wrap': 1315, 'leaves': 1316, 'reviewer': 1317, 'intelligent': 1318, 'smart': 1319, 'bakery': 1320, 'stage': 1321, 'actresses': 1322, 'ways': 1323, 'modern': 1324, 'supposed': 1325, 'god': 1326, 'learn': 1327, 'values': 1328, 'photography': 1329, 'steve': 1330, 'ruthless': 1331, 'war': 1332, 'example': 1333, 'scamp': 1334, 'clichés': 1335, 'thrown': 1336, 'scale': 1337, 'glance': 1338, 'score': 1339, 'frightening': 1340, 'oscar': 1341, 'knew': 1342, 'fat': 1343, 'footage': 1344, 'opened': 1345, 'sort': 1346, 'behind': 1347, 'race': 1348, 'happen': 1349, 'unconvincing': 1350, 'produced': 1351, 'early': 1352, 'documentary': 1353, 'martin': 1354, 'racial': 1355, 'lets': 1356, 'mickey': 1357, 'crowd': 1358, 'imaginative': 1359, 'james': 1360, 'watchable': 1361, 'pace': 1362, 'lighting': 1363, 'past': 1364, '90s': 1365, 'excuse': 1366, 'nonsense': 1367, 'exquisite': 1368, 'known': 1369, 'south': 1370, 'lady': 1371, 'delightful': 1372, 'beautifully': 1373, 'laughable': 1374, 'begin': 1375, 'late': 1376, 'dance': 1377, 'charming': 1378, 'giallo': 1379, 'emotions': 1380, 'belly': 1381, 'spend': 1382, 'write': 1383, 'stinks': 1384, 'writer': 1385, 'suck': 1386, 'stayed': 1387, 'puppets': 1388, 'doubt': 1389, 'guys': 1390, 'realized': 1391, 'subpar': 1392, 'animation': 1393, 'added': 1394, 'texture': 1395, 'recommendation': 1396, 'potatoes': 1397, 'brought': 1398, 'sashimi': 1399, 'moist': 1400, 'frozen': 1401, 'greek': 1402, 'dressing': 1403, 'pita': 1404, 'hummus': 1405, 'duck': 1406, 'salt': 1407, 'chewy': 1408, 'tip': 1409, 'cafe': 1410, 'ambience': 1411, 'busy': 1412, 'delish': 1413, 'melt': 1414, 'cheese': 1415, 'subway': 1416, 'restaurants': 1417, 'ate': 1418, 'stale': 1419,

'treated': 1420, 'vegetarian': 1421, 'healthy': 1422, 'decor': 1423, 'butter': 1424, 'egg': 1425, 'dog': 1426, 'insulted': 1427, 'brunch': 1428, 'soggy': 1429, 'lobster': 1430, 'flavorful': 1431, 'generous': 1432, 'patio': 1433, 'outstanding': 1434, 'pizzas': 1435, 'pulled': 1436, 'equally': 1437, 'bathroom': 1438, 'door': 1439, 'stomach': 1440, 'green': 1441, 'beans': 1442, 'regular': 1443, '35': 1444, 'bill': 1445, 'meals': 1446, 'homemade': 1447, 'desserts': 1448, 'edible': 1449, 'seating': 1450, 'owner': 1451, 'salsa': 1452, '45': 1453, 'dozen': 1454, 'extended': 1455, 'notice': 1456, 'tooth': 1457, 'motorolas': 1458, '7': 1459, 'mobile': 1460, 'unusable': 1461, 'contract': 1462, 'regarding': 1463, 'pda': 1464, 'neat': 1465, 'gadget': 1466, 'ie': 1467, 'essentially': 1468, 'tech': 1469, 'elegant': 1470, 'angle': 1471, 'mp3': 1472, 'skip': 1473, 'lock': 1474, 'died': 1475, 'glasses': 1476, 'docking': 1477, 'advertised': 1478, 'handy': 1479, 'cheaper': 1480, 'seamlessly': 1481, 'apparently': 1482, '13': 1483, 'relatively': 1484, 'resolution': 1485, 'slim': 1486, 'sex': 1487, 'toast': 1488, 'sleek': 1489, 'compromise': 1490, 'basic': 1491, 'keypad': 1492, 'unhappy': 1493, 'winner': 1494, 'realize': 1495, 'careful': 1496, 'logitech': 1497, 'recognition': 1498, 'stated': 1499, 'blackberry': 1500, 'technology': 1501, 'wired': 1502, 'messages': 1503, 'faster': 1504, 'w810i': 1505, 'whine': 1506, 'maintain': 1507, 'shouldnt': 1508, 'humans': 1509, 'button': 1510, 'thank': 1511, 'igo': 1512, 'tips': 1513, 'connected': 1514, 'wives': 1515, 'latest': 1516, 'storage': 1517, 'buzzing': 1518, 'override': 1519, 'functionality': 1520, 'ring': 1521, 'dropping': 1522, 'weight': 1523, 'hardly': 1524, 'ends': 1525, 'consumer': 1526, 'background': 1527, 'usually': 1528, 'excited': 1529, 'additional': 1530, 'gels': 1531, 'secure': 1532, 'gosh': 1533, 'attractive': 1534, 'rubber': 1535, 'smell': 1536, 'unbearable': 1537, 'caused': 1538, 'flimsy': 1539, 'month': 1540, 'flawlessly': 1541, 'rotating': 1542, 'thru': 1543, 'cat': 1544, '5year': 1545, 'removing': 1546, 'compliments': 1547, 'allow': 1548, 'dialing': 1549, '23': 1550, 'ipod': 1551, 'recharge': 1552, 'practically': 1553, 'add': 1554, 'boost': 1555, 'finished': 1556, 'ringing': 1557, 'hurt': 1558, 'push': 1559, 'skype': 1560, 'shipped': 1561, 'promptly': 1562, 'prompt': 1563, 'noticed': 1564, 'colored': 1565, 'cheaply': 1566, 'att': 1567, 'distorted': 1568, 'forgot': 1569, 'model': 1570, 'finds': 1571, 'enter': 1572, 'modest': 1573, 'dying': 1574, 'built': 1575, 'install': 1576, 'purchasing': 1577, 'moto': 1578, 'figure': 1579, 'fully': 1580, 'memory': 1581, 'card': 1582, 'wearing': 1583, 'timely': 1584, 'cumbersome': 1585, 'delivery': 1586, 'switch': 1587, 'batteries': 1588, 'receiving': 1589, 'exchanged': 1590, 'cellphone': 1591, 'described': 1592, 'nyc': 1593, 'defective': 1594, 'eye': 1595, 'catching': 1596, 'function': 1597, 'timeframe': 1598, 'complaint': 1599, 'standard': 1600, 'ugly': 1601, 'improvement': 1602, 'accidentally': 1603, 'listening': 1604, 'kitchen': 1605, 'conversation': 1606, 'practical': 1607, 'ample': 1608, 'eargels': 1609, 'channel': 1610, 'numerous': 1611, 'frustration': 1612, 'understanding': 1613, 't': 1614, 'menus': 1615, 'development': 1616, 'knows': 1617, 'breaking': 1618, 'operate': 1619, 'paired': 1620, 'normally': 1621, 'brand': 1622, 'players': 1623, 'comments': 1624, 'performed': 1625, 'echo': 1626, 'warranty': 1627, 'produce': 1628, 'luck': 1629, 'exchange': 1630, 'utter': 1631, 'download': 1632, 'smoothly': 1633, 'study': 1634, 'access': 1635, 'somehow': 1636, 'flash': 1637, 'choices': 1638, 'tones': 1639, 'prime': 1640, 'accept': 1641, 'except':

1642, 'allows': 1643, 'open': 1644, 'allowing': 1645, 'numbers': 1646, 'r':
 1647, 'crashed': 1648, 'quit': 1649, 'via': 1650, 'span': 1651, 'signs': 1652,
 'sizes': 1653, 'pros': 1654, 'provides': 1655, 'classy': 1656, 'mainly': 1657,
 'metro': 1658, 'smoke': 1659, 'carries': 1660, 'highest': 1661, 'protector':
 1662, 'impossible': 1663, 'refused': 1664, 'discount': 1665, 'talking': 1666,
 'telephone': 1667, 'everywhere': 1668, 'ordering': 1669, 'awkward': 1670,
 'bottom': 1671, 'row': 1672, 'current': 1673, 'read': 1674, 'laptop': 1675,
 'sister': 1676, 'discomfort': 1677, 'normal': 1678, 'confusing': 1679, 'lose':
 1680, 'cutouts': 1681, 'cuts': 1682, 'wild': 1683, 'carry': 1684, 'loose': 1685,
 'receive': 1686, 'lightly': 1687, 'against': 1688, '2005': 1689, 'certain':
 1690, 'unsatisfactory': 1691, 'hype': 1692, 'covered': 1693, 'falls': 1694,
 'blew': 1695, 'touches': 1696, 'whom': 1697, 'angles': 1698, 'became': 1699,
 'jimmy': 1700, 'sisters': 1701, 'terms': 1702, 'filmmaking': 1703,
 'masterpiece': 1704, 'masterpieces': 1705, 'fill': 1706, 'imaginable': 1707,
 'pieces': 1708, 'create': 1709, 'levels': 1710, 'canada': 1711, 'pg13': 1712,
 'unfunny': 1713, 'generic': 1714, 'morgan': 1715, 'jonah': 1716, 'lazy': 1717,
 'presence': 1718, 'obvious': 1719, 'french': 1720, 'whiny': 1721, 'pointless':
 1722, 'future': 1723, 'anne': 1724, '9': 1725, 'warmth': 1726, 'delivering':
 1727, 'unpredictable': 1728, 'badly': 1729, 'alexander': 1730, 'artist': 1731,
 'lived': 1732, 'superbly': 1733, 'heaven': 1734, 'lives': 1735, 'church': 1736,
 'tonight': 1737, 'uplifting': 1738, 'frankly': 1739, 'club': 1740, 'lane': 1741,
 'chick': 1742, 'correct': 1743, 'bold': 1744, 'helps': 1745, 'accused': 1746,
 'afraid': 1747, 'tremendously': 1748, 'sandra': 1749, 'bullock': 1750,
 'moments': 1751, 'losing': 1752, 'iq': 1753, 'ratings': 1754, 'dramatic': 1755,
 'tension': 1756, 'central': 1757, 'themes': 1758, 'core': 1759, 'following':
 1760, 'viewing': 1761, 'quinn': 1762, 'girlfriend': 1763, 'disliked': 1764,
 'dollars': 1765, 'mad': 1766, 'cardboard': 1767, 'stereotypes': 1768,
 'predictably': 1769, 'crafted': 1770, 'depressing': 1771, 'racism': 1772,
 'explanation': 1773, 'ms': 1774, 'hasnt': 1775, 'drag': 1776, 'wayne': 1777,
 'older': 1778, 'selfindulgent': 1779, 'hadnt': 1780, 'noteworthy': 1781,
 'blood': 1782, 'forth': 1783, 'jamie': 1784, 'genius': 1785, 'hence': 1786,
 'mishima': 1787, 'uninteresting': 1788, 'chilly': 1789, 'schrader': 1790, '80s':
 1791, 'realistic': 1792, 'talent': 1793, 'master': 1794, 'theme': 1795,
 'senses': 1796, 'june': 1797, 'angry': 1798, 'sour': 1799, 'matter': 1800,
 'complex': 1801, 'psychological': 1802, 'soul': 1803, 'gripping': 1804,
 'disturbing': 1805, 'jerky': 1806, 'witty': 1807, 'billy': 1808, 'ceases': 1809,
 'visually': 1810, 'spoiler': 1811, 'remaining': 1812, 'suffering': 1813,
 'smile': 1814, 'vomited': 1815, '25': 1816, 'unfolds': 1817, 'contrast': 1818,
 'sublime': 1819, 'offensive': 1820, 'poetry': 1821, 'masterful': 1822, 'nature':
 1823, 'disbelief': 1824, 'female': 1825, 'array': 1826, 'nuts': 1827,
 'dangerous': 1828, 'reactions': 1829, 'twist': 1830, 'shed': 1831, 'underneath':
 1832, 'wide': 1833, 'relationship': 1834, 'assistant': 1835, 'laugh': 1836,
 'de': 1837, 'taped': 1838, 'wholesome': 1839, 'portraying': 1840, 'taking':
 1841, 'forgetting': 1842, 'scared': 1843, 'attempts': 1844, 'situation': 1845,
 'bear': 1846, 'kinda': 1847, 'question': 1848, 'lucy': 1849, 'japanese': 1850,
 'composition': 1851, 'brian': 1852, 'largely': 1853, 'member': 1854, 'identify':
 1855, 'hustons': 1856, 'robert': 1857, 'ryans': 1858, 'murdered': 1859,
 'humour': 1860, 'brother': 1861, 'hollywood': 1862, 'thus': 1863, 'undoubtedly':

1864, 'popular': 1865, 'positive': 1866, 'unique': 1867, 'european': 1868,
 'circumstances': 1869, 'caught': 1870, 'angel': 1871, 'junkyard': 1872, 'dogs':
 1873, 'american': 1874, 'americans': 1875, 'pile': 1876, 'round': 1877,
 'continuity': 1878, 'corn': 1879, 'box': 1880, 'directorial': 1881, 'proud':
 1882, 'filmmaker': 1883, 'sand': 1884, 'sake': 1885, 'jobs': 1886, 'public':
 1887, 'unrecognizable': 1888, 'relations': 1889, 'stanwyck': 1890, 'surprising':
 1891, 'entirely': 1892, 'chow': 1893, 'cheesy': 1894, 'proceedings': 1895,
 'remotely': 1896, 'mercy': 1897, 'killing': 1898, 'overacting': 1899,
 'awkwardly': 1900, 'english': 1901, 'hackneyed': 1902, 'blah': 1903, 'wouldve':
 1904, 'length': 1905, 'air': 1906, 'afternoon': 1907, 'creates': 1908,
 'fascinating': 1909, 'humorous': 1910, 'filmed': 1911, 'dislike': 1912, 'began':
 1913, 'change': 1914, 'season': 1915, 'contains': 1916, 'reality': 1917, '20th':
 1918, 'century': 1919, 'implausible': 1920, 'jean': 1921, 'studio': 1922,
 'indoor': 1923, 'start': 1924, 'class': 1925, 'betty': 1926, 'aside': 1927,
 'mouse': 1928, 'famous': 1929, 'turkey': 1930, 'among': 1931, 'terribly': 1932,
 'deserving': 1933, 'shame': 1934, 'credit': 1935, 'version': 1936, 'dumb': 1937,
 'monster': 1938, 'lack': 1939, 'notable': 1940, 'opening': 1941, 'sequence':
 1942, 'gas': 1943, 'fair': 1944, 'credits': 1945, 'teeth': 1946, 'sum': 1947,
 'avoided': 1948, 'limited': 1949, 'sign': 1950, 'asleep': 1951, 'cartoons':
 1952, 'deserved': 1953, 'element': 1954, 'fifteen': 1955, 'volcano': 1956,
 'abysmal': 1957, 'vomit': 1958, 'miss': 1959, 'dedication': 1960, 'versus':
 1961, 'mature': 1962, 'brings': 1963, 'focus': 1964, 'underlying': 1965,
 'relationships': 1966, 'engaging': 1967, 'masters': 1968, 'errol': 1969,
 'flynn': 1970, 'dull': 1971, 'guests': 1972, 'surrounding': 1973, 'excellently':
 1974, 'tops': 1975, 'typical': 1976, 'revealing': 1977, 'africa': 1978,
 'process': 1979, 'shakespear': 1980, 'macbeth': 1981, 'brief': 1982, 'moral':
 1983, 'decay': 1984, 'forces': 1985, 'evil': 1986, 'adaptation': 1987,
 'costumes': 1988, 'ball': 1989, 'wilkinson': 1990, 'judging': 1991,
 'difference': 1992, 'documentaries': 1993, 'joes': 1994, 'watkins': 1995,
 'peter': 1996, 'hollow': 1997, 'expert': 1998, 'cole': 1999, 'disgrace': 2000,
 'sleep': 2001, 'achievement': 2002, 'tough': 2003, 'whenever': 2004, 'earth':
 2005, 'emily': 2006, 'prepared': 2007, 'compelling': 2008, 'sentiment': 2009,
 'trap': 2010, 'fulci': 2011, '70s': 2012, 'personally': 2013, 'thick': 2014,
 'blown': 2015, 'events': 2016, 'result': 2017, 'slightest': 2018, 'duet': 2019,
 'doctor': 2020, 'extraordinary': 2021, 'courtroom': 2022, 'highlights': 2023,
 'discovering': 2024, 'court': 2025, 'paced': 2026, 'understated': 2027,
 'smells': 2028, 'pack': 2029, 'phenomenal': 2030, 'opinion': 2031, 'neil': 2032,
 'delights': 2033, 'sample': 2034, 'deliver': 2035, 'sharply': 2036, 'tongue':
 2037, 'cheek': 2038, 'struggle': 2039, 'heads': 2040, 'reminded': 2041,
 'childhood': 2042, 'further': 2043, 'nut': 2044, 'lord': 2045, 'atrocious':
 2046, 'spoil': 2047, 'references': 2048, 'act': 2049, 'pacing': 2050,
 'consistent': 2051, 'dreams': 2052, 'uses': 2053, 'hopefully': 2054, 'hip':
 2055, 'loneliness': 2056, 'emilio': 2057, 'interplay': 2058, 'suggest': 2059,
 'natural': 2060, 'street': 2061, 'readers': 2062, 'miyazakis': 2063, 'hearts':
 2064, 'closed': 2065, 'depicts': 2066, 'provoking': 2067, 'wed': 2068,
 'reasons': 2069, 'ponyo': 2070, 'refreshing': 2071, 'traditional': 2072,
 'wants': 2073, 'wave': 2074, 'deep': 2075, 'lange': 2076, 'crust': 2077,
 'cashier': 2078, 'overwhelmed': 2079, 'bite': 2080, 'familiar': 2081, 'favor':

2082, 'grossed': 2083, 'char': 2084, 'attitudes': 2085, 'customers': 2086,
 'portion': 2087, 'attack': 2088, 'grill': 2089, 'downtown': 2090, 'scallop':
 2091, 'refill': 2092, 'appetizers': 2093, 'batter': 2094, 'finish': 2095, 'meh':
 2096, 'min': 2097, 'seasoned': 2098, 'opportunity': 2099, 'underwhelming': 2100,
 'grease': 2101, 'roast': 2102, 'sugary': 2103, 'six': 2104, 'die': 2105, 'bye':
 2106, 'serves': 2107, 'roasted': 2108, 'garlic': 2109, 'marrow': 2110,
 'bartender': 2111, 'lovers': 2112, 'preparing': 2113, 'indian': 2114, 'tuna':
 2115, 'bagels': 2116, 'dine': 2117, 'rarely': 2118, 'curry': 2119, 'bathrooms':
 2120, 'decorated': 2121, 'greeted': 2122, 'joint': 2123, 'overcooked': 2124,
 'charcoal': 2125, 'decided': 2126, 'dirt': 2127, 'gyros': 2128, 'valley': 2129,
 'bowl': 2130, 'disrespected': 2131, 'gold': 2132, 'puree': 2133, 'bug': 2134,
 'friend': 2135, 'shower': 2136, 'bisque': 2137, 'filet': 2138, 'cook': 2139,
 'dealing': 2140, 'cheeseburger': 2141, 'yum': 2142, 'building': 2143, 'creamy':
 2144, 'similar': 2145, 'sticks': 2146, 'tap': 2147, 'par': 2148, 'coffee': 2149,
 'boba': 2150, 'taco': 2151, 'bachi': 2152, 'salads': 2153, 'neighborhood': 2154,
 'soooo': 2155, 'stir': 2156, 'summer': 2157, 'toasted': 2158, 'serve': 2159,
 'mom': 2160, 'bites': 2161, 'omg': 2162, 'brick': 2163, 'oven': 2164,
 'pancakes': 2165, 'eggs': 2166, 'evening': 2167, 'lukewarm': 2168, 'eggplant':
 2169, 'stuffed': 2170, 'mall': 2171, 'perfection': 2172, 'impeccable': 2173,
 'pop': 2174, 'assure': 2175, 'professional': 2176, 'weve': 2177, 'nicest': 2178,
 'biscuits': 2179, 'cow': 2180, 'driest': 2181, 'tots': 2182, 'acknowledged':
 2183, 'margaritas': 2184, 'flower': 2185, 'group': 2186, 'crab': 2187, 'legs':
 2188, 'sliced': 2189, 'filling': 2190, 'choose': 2191, 'entrees': 2192, 'tapas':
 2193, 'vinegrette': 2194, 'helped': 2195, 'presentation': 2196, 'satisfying':
 2197, 'grilled': 2198, 'focused': 2199, 'promise': 2200, 'legit': 2201,
 'staying': 2202, 'fail': 2203, 'plate': 2204, 'serving': 2205, 'fly': 2206,
 'mid': 2207, 'definatly': 2208, 'flavorless': 2209, 'nachos': 2210, 'tribute':
 2211, 'fell': 2212, 'heat': 2213, 'undercooked': 2214, 'converter': 2215,
 'tied': 2216, 'minutesmajor': 2217, 'jiggle': 2218, 'hundred': 2219, 'owneryou':
 2220, 'seperated': 2221, 'mere': 2222, 'ft': 2223, 'excessive': 2224, 'garbled':
 2225, 'fooled': 2226, 'clicks': 2227, 'mechanism': 2228, 'followed': 2229,
 'directions': 2230, 'kindle': 2231, 'commercials': 2232, 'misleading': 2233,
 'earphone': 2234, 'breakage': 2235, 'unacceptable': 2236, 'ideal': 2237,
 'whose': 2238, 'sensitive': 2239, 'freeway': 2240, 'ac': 2241, 'juicehighy':
 2242, 'mins': 2243, 'phonebattery': 2244, '680': 2245, '2mp': 2246, 'pics':
 2247, 'arguing': 2248, 'bulky': 2249, 'usable': 2250, 'realworld': 2251,
 'useful': 2252, 'stream': 2253, 'submerged': 2254, 'microsofts': 2255,
 'faceplates': 2256, 'drawback': 2257, 'pause': 2258, 'activated': 2259,
 'suddenly': 2260, 'ipods': 2261, 'situations1': 2262, 'bmw': 2263, 'hearing':
 2264, 'd807wrongly': 2265, 'd807': 2266, 'everyday': 2267, 'intended': 2268,
 'runs': 2269, 'greater': 2270, 'buds': 2271, 'waaay': 2272, 'bluetooths': 2273,
 'listener': 2274, 'integrated': 2275, 'buyer': 2276, 'flush': 2277, 'toilet':
 2278, '375': 2279, 'prosgood': 2280, 'styles': 2281, 'correctly': 2282, '350':
 2283, 'jabra350': 2284, 'megapixels': 2285, 'renders': 2286, 'images': 2287,
 'purcashed': 2288, 'geeky': 2289, 'oozes': 2290, 'embedded': 2291, 'stylish':
 2292, 'qwerty': 2293, 'simpler': 2294, 'iam': 2295, 'disapoinment': 2296,
 'accompanied': 2297, 'nicely': 2298, 'damage': 2299, 'definitly': 2300,
 'buyerbe': 2301, 'majority': 2302, 'peachykeen': 2303, 'upstairs': 2304,

'basement': 2305, 'reccomendation': 2306, 'relative': 2307, 'items': 2308,
 'sudden': 2309, 'linking': 2310, '8530': 2311, 'curve': 2312, 'sketchy': 2313,
 'wellwell': 2314, 'web': 2315, 'browsing': 2316, 'significantly': 2317, 'build':
 2318, 'unlike': 2319, 'colors': 2320, 'goesthe': 2321, 'communications': 2322,
 'communicate': 2323, 'monkeys': 2324, 'dna': 2325, 'copy': 2326, 'boughth': 2327,
 'l7c': 2328, 'mode': 2329, 'bethe': 2330, 'file': 2331, 'browser': 2332,
 'needshandsfree': 2333, 'hs850': 2334, 'os': 2335, 'v115g': 2336, 'crawl': 2337,
 'recognizes': 2338, 'bluetoooth': 2339, 'thorn': 2340, 'abhor': 2341,
 'disconnected': 2342, 'mail': 2343, 'backlight': 2344, 'message': 2345,
 'toneoverall': 2346, 'lately': 2347, 'wit': 2348, 'pleather': 2349, 'deaf':
 2350, 'prettier': 2351, 'investment': 2352, 'ticking': 2353, 'noises': 2354,
 'electronics': 2355, 'available': 2356, 'fm': 2357, 'transmitters': 2358,
 'h500': 2359, 'mega': 2360, 'pixel': 2361, 'good7': 2362, 'transmit': 2363,
 'contacting': 2364, 'dollar': 2365, 'learned': 2366, 'lesson': 2367, 'online':
 2368, 'earbugs': 2369, 'roam': 2370, 'crack': 2371, 'infatuated': 2372,
 'freezes': 2373, 'frequently4': 2374, 'childlike': 2375, 'tick': 2376,
 'headbands': 2377, 'ericsson': 2378, 'purchases': 2379, 'shine': 2380,
 'calendar': 2381, 'sync': 2382, 'defeats': 2383, 'purpose': 2384, 'penny': 2385,
 'wallet': 2386, 'excrutiatingly': 2387, 'glove': 2388, 'durable': 2389, 'o':
 2390, 'factor': 2391, 'petroleum': 2392, 'stereo': 2393, 'absolutel': 2394,
 'potentially': 2395, 'reversible': 2396, 'contstruct': 2397, 'hinge': 2398,
 'installed': 2399, 'overnite': 2400, 'handset': 2401, 'attacked': 2402,
 'protective': 2403, 'destroying': 2404, 'razor': 2405, 'v3i': 2406, 'wise':
 2407, 'shouldve': 2408, 'invented': 2409, 'sooner': 2410, 'trythe': 2411,
 'engineered': 2412, 'complained': 2413, '2160': 2414, 'tracfone': 2415,
 'instruction': 2416, 'manual': 2417, 'alarm': 2418, 'clock': 2419, 'antena':
 2420, 'compared': 2421, 'state': 2422, 'usage': 2423, 'ngage': 2424, 'earbuds':
 2425, 'howeverthe': 2426, 'riingtones': 2427, 'rip': 2428, 'frequentlyly': 2429,
 'adhesive': 2430, 'concrete': 2431, 'knock': 2432, 'wood': 2433, 'transformed':
 2434, 'organizational': 2435, 'capability': 2436, 'vehicle': 2437, 'cradle':
 2438, 'jerks': 2439, 'starter': 2440, 'loudspeaker': 2441, 'option': 2442,
 'bumpers': 2443, 'lights': 2444, 'improve': 2445, 'leaks': 2446, 'according':
 2447, 'applifies': 2448, 'specially': 2449, 'transmission': 2450, 's11': 2451,
 'drivng': 2452, 'auto': 2453, 'reverse': 2454, 'tape': 2455, 'embarassing':
 2456, 'protects': 2457, 'operates': 2458, 'soyo': 2459, 'portraits': 2460,
 'exterior': 2461, 'mentioned': 2462, 'gadgets': 2463, 'magical': 2464,
 'comparablypriced': 2465, 'offering': 2466, 'encourage': 2467, 'recieve': 2468,
 'cradles': 2469, 'kits': 2470, 'excelent': 2471, 'cingulair': 2472, 'nicer':
 2473, 'hoursthe': 2474, 'thereplacement': 2475, '2000': 2476, 'yell': 2477,
 'iriver': 2478, 'spinn': 2479, 'fond': 2480, 'magnetic': 2481, 'strap': 2482,
 'psyched': 2483, 'appointments': 2484, 'sanyo': 2485, 'survived': 2486,
 'dozens': 2487, 'blacktop': 2488, 'earphones': 2489, 'cellular': 2490, 'awsome':
 2491, 'drained': 2492, 'earpad': 2493, 'onlyi': 2494, 'displeased': 2495,
 'defect': 2496, 'risk': 2497, 'restored': 2498, 'jx10': 2499, 'searched': 2500,
 'key': 2501, 'pad': 2502, 'lit': 2503, 'portable': 2504, 'colleague': 2505,
 'receptiona': 2506, 'bed': 2507, 'wifi': 2508, 'morning': 2509, 'hat': 2510,
 'shipment': 2511, 'surefire': 2512, 'gx2': 2513, 'bt50': 2514, 'buyers': 2515,
 'remorse': 2516, 'accessoryone': 2517, 'inexcusable': 2518, 'carriers': 2519,

'update': 2520, 'procedure': 2521, 'vx9900': 2522, 'env': 2523, 'rocketed':
 2524, 'destination': 2525, 'unknown': 2526, 'longwearing': 2527, 'conditions':
 2528, 'usefulness': 2529, 'verizons': 2530, 'bills': 2531, 'plans': 2532,
 'overnight': 2533, 'respect': 2534, 'stuck': 2535, 'max': 2536, 'mute': 2537,
 'hybrid': 2538, 'palmtop': 2539, 'excels': 2540, 'bt250v': 2541, '11': 2542,
 'bose': 2543, 'cancelling': 2544, 'commuter': 2545, 'unacceptableunless': 2546,
 'photo': 2547, 'ad': 2548, 'greatno': 2549, 'noted': 2550, 'happens': 2551,
 'frog': 2552, 'pushed': 2553, 'aluminum': 2554, 'vx': 2555, 'wellit': 2556,
 'protected': 2557, 'handheld': 2558, 'tools': 2559, 'sturdiness': 2560,
 'source': 2561, 'waterproof': 2562, 'sliding': 2563, 'pants': 2564, 'pockets':
 2565, 'shield': 2566, 'incredible': 2567, 'refuse': 2568, 'activate': 2569,
 'gentletouch': 2570, 'threw': 2571, 'window': 2572, 'inches': 2573, 'counter':
 2574, 'crackedi': 2575, 'laughing': 2576, 'trunk': 2577, 'carried': 2578,
 'hitch': 2579, 'directly': 2580, 'increase': 2581, 'shifting': 2582, 'bubbling':
 2583, 'peeling': 2584, 'scratch': 2585, 'nothingi': 2586, 'droid': 2587,
 'exercise': 2588, 'earset': 2589, 'outgoing': 2590, 'package': 2591, 'patient':
 2592, 'wirefly': 2593, 'stari': 2594, 'contact': 2595, 'inform': 2596,
 'practice': 2597, 'aggravating': 2598, 'virgin': 2599, 'muddy': 2600, 'casing':
 2601, 'wires': 2602, 'insert': 2603, 'glued': 2604, 'slid': 2605,
 'plantronincs': 2606, 'continues': 2607, 'disapointing': 2608, 'fourth': 2609,
 'fixes': 2610, 'accessing': 2611, 'downloading': 2612, 'performing': 2613,
 'functions': 2614, 'constantly': 2615, 'unacceptable': 2616, 'happening': 2617,
 'adapters': 2618, 'procedures': 2619, 'reset': 2620, 'wiping': 2621, 'strength':
 2622, 'louder': 2623, 'navigate': 2624, 'recessed': 2625, 'onid': 2626,
 'avoiding': 2627, 'brokeni': 2628, 'smoking': 2629, 'linked': 2630, 'possesed':
 2631, 'research': 2632, 'division': 2633, 'infuriating': 2634, 'walkman': 2635,
 'charges': 2636, 'europe': 2637, 'asia': 2638, 'clipping': 2639, 'deffinitely':
 2640, 'cents': 2641, 'upandcoming': 2642, 'behing': 2643, '5020': 2644,
 'comfortible': 2645, '24': 2646, 'pain': 2647, 'arrival': 2648, 'fraction':
 2649, 'samsungcrap': 2650, 'crappy': 2651, 'e715': 2652, 'seen': 2653,
 'screenthis': 2654, 'interface': 2655, 'decade': 2656, 'compete': 2657,
 'designs': 2658, '700w': 2659, 'transceiver': 2660, 'steer': 2661,
 'replacementr': 2662, 'pens': 2663, 'threepack': 2664, 'buyit': 2665, 'beats':
 2666, 'fingers': 2667, 'steep': 2668, 'haul': 2669, 'dissapointing': 2670,
 'originally': 2671, 'discarded': 2672, 'posted': 2673, 'detailed': 2674, 'grey':
 2675, 'existing': 2676, 'cds': 2677, 'currently': 2678, 'firstperson': 2679,
 'shooters': 2680, 'delay': 2681, 'messes': 2682, 'bitpin': 2683, 'program':
 2684, 'transfer': 2685, 'phonethe': 2686, 'accessory': 2687, 'manufacturer':
 2688, 'muffled': 2689, 'incoming': 2690, 'severe': 2691, 'windresistant': 2692,
 'replaceeasy': 2693, 'contacted': 2694, 'receipt': 2695, 'linksys': 2696,
 'refurb': 2697, 'snug': 2698, 'heavyit': 2699, 'promised': 2700, 'loop': 2701,
 'latch': 2702, 'visor': 2703, 'address': 2704, 'rebootsoverall': 2705,
 'tungsten': 2706, 'e2': 2707, 'flipphones': 2708, 'welldesigned': 2709, 'sins':
 2710, 'industrial': 2711, 'tracking': 2712, 'detachable': 2713, 'periodically':
 2714, 'upload': 2715, 'locks': 2716, 'screens': 2717, 'randomly': 2718,
 'locked': 2719, '325': 2720, 'wornout': 2721, 'ringer': 2722, 'acceptable':
 2723, 'upbeat': 2724, 'forgeries': 2725, 'abound': 2726, 'jack': 2727, 'ca42':
 2728, 'smallest': 2729, 'stays': 2730, 'drains': 2731, 'superfast': 2732,

'ergonomic': 2733, 'theory': 2734, 'clips': 2735, 'distracting': 2736, 'cbr': 2737, 'mp3s': 2738, 'preferably': 2739, 'windows': 2740, 'media': 2741, 'sos': 2742, 'signals': 2743, 'connect': 2744, 'miniusb': 2745, 'near': 2746, 'startac': 2747, 'regretted': 2748, 'outperform': 2749, 'china': 2750, 'v325i': 2751, 'sim': 2752, '3o': 2753, 'phonemy': 2754, 'replaced': 2755, '18': 2756, '4s': 2757, 'connecting': 2758, 'sources': 2759, 'imac': 2760, 'external': 2761, 'bells': 2762, 'whistles': 2763, 'slide': 2764, 'grip': 2765, 'prevents': 2766, 'slipping': 2767, 'onethis': 2768, 'exclaim': 2769, 'whoa': 2770, 'corded': 2771, 'functional': 2772, 'soft': 2773, 'tight': 2774, 'shape': 2775, 'copier': 2776, 'sent': 2777, 'anywhere': 2778, 'sold': 2779, 'units': 2780, 'krussel': 2781, 'tracfonewebsite': 2782, 'toactivate': 2783, 'good4': 2784, 'texas': 2785, 'dit': 2786, '5320': 2787, 'blueant': 2788, 'supertooth': 2789, 'pcs': 2790, 'schr450': 2791, 'slider': 2792, 'premium': 2793, 'plugs': 2794, 'capacity': 2795, 'confortable': 2796, 'periods': 2797, 'ant': 2798, 'hey': 2799, 'pleasantly': 2800, 'suprised': 2801, 'dustpan': 2802, 'indoors': 2803, 'disposable': 2804, 'puff': 2805, 'ride': 2806, 'smoother': 2807, 'nano': 2808, 'itmy': 2809, 'dissapointed': 2810, 'reccommend': 2811, 'antiglare': 2812, 'smartphone': 2813, 'atleast': 2814, 'amp': 2815, 'reoccurebottom': 2816, 'somewhere': 2817, 'methe': 2818, 'creaks': 2819, 'floor': 2820, 'apartment': 2821, 'inconspicuous': 2822, 'slowly': 2823, 'upgrade': 2824, 'securly': 2825, 'possibility': 2826, 'booking': 2827, 'entertainment': 2828, 'communication': 2829, 'managementoh': 2830, 'activesync': 2831, '42': 2832, 'optimal': 2833, 'synchronization': 2834, 'coupon': 2835, 'instance': 2836, 'ps3': 2837, 'cheapy': 2838, 'shouting': 2839, 'shiny': 2840, 'grtting': 2841, '744': 2842, 'v3c': 2843, 'exceeds': 2844, 'sight': 2845, 'improper': 2846, 'chargelife': 2847, 'palms': 2848, 'hoped': 2849, 'v265': 2850, 'pads': 2851, 'stops': 2852, 'intermittently': 2853, 'reaching': 2854, 'keys': 2855, 'be3': 2856, 'nightmare': 2857, 'speakerphone': 2858, 'cassette': 2859, 'cellphones': 2860, 'planning': 2861, 'autoanswer': 2862, 'products': 2863, 'sensor': 2864, 'reliability': 2865, 'beeping': 2866, 'dieing': 2867, 'ir': 2868, 'yearsgreat': 2869, 'cancellation': 2870, 'counterfeit': 2871, 'travled': 2872, 'swivel': 2873, 'dualpurpose': 2874, '8125': 2875, 'keeping': 2876, 'bottomm': 2877, 'lineanother': 2878, 'gimmick': 2879, 'opens': 2880, 'broken': 2881, 'causing': 2882, 'trust': 2883, 'loudglad': 2884, 'maintains': 2885, 'flawless': 2886, 'wrongfirst': 2887, 'devices': 2888, 'holder': 2889, 'landline': 2890, 'loops': 2891, 'owning': 2892, 'official': 2893, 'oem': 2894, 'loudest': 2895, 'competitors': 2896, 'saved': 2897, 'alot': 2898, 'unintelligible': 2899, 'restart': 2900, 'bend': 2901, 'leaf': 2902, 'metal': 2903, 'stress': 2904, 'leopard': 2905, 'print': 2906, 'saggy': 2907, 'floppy': 2908, 'looses': 2909, 'abovepretty': 2910, 'soundwise': 2911, 'snap': 2912, '8525': 2913, 'fliptop': 2914, 'wobbly': 2915, 'eventually': 2916, 'fulfills': 2917, 'requirements': 2918, 'rests': 2919, 'websites': 2920, 'cables': 2921, 'lap': 2922, 'controls': 2923, 'accessable': 2924, 'mine': 2925, 'satisified': 2926, 's710a': 2927, 'specs': 2928, 'armband': 2929, 'allot': 2930, 'clearer': 2931, 'keypads': 2932, 'reach': 2933, 'ericson': 2934, 'z500a': 2935, 'motor': 2936, 'center': 2937, 'voltage': 2938, 'humming': 2939, 'equipment': 2940, 'wake': 2941, 'styling': 2942, 'restocking': 2943, 'fee': 2944, 'darn': 2945, 'sweetest': 2946, 'securely': 2947, 'hook': 2948, 'canal': 2949, 'problemvery': 2950, 'videos':

2951, 'negatively': 2952, 'adapter': 2953, 'provide': 2954, 'assumed': 2955,
 'lense': 2956, 'text': 2957, 'messaging': 2958, 'tricky': 2959, 'lasted': 2960,
 'flops': 2961, 'smudged': 2962, 'infra': 2963, 'port': 2964, 'irda': 2965,
 'answer': 2966, 'slowmoving': 2967, 'aimless': 2968, 'distressed': 2969,
 'drifting': 2970, 'attempting': 2971, 'artiness': 2972, 'nonexistent': 2973,
 'gerardo': 2974, 'emptiness': 2975, 'science': 2976, 'teacher': 2977, 'owls':
 2978, 'florida': 2979, 'muppets': 2980, 'overdue': 2981, 'screenplay': 2982,
 'postproduction': 2983, 'structure': 2984, 'tightly': 2985, 'vitality': 2986,
 'occurs': 2987, 'content': 2988, 'superlative': 2989, 'require': 2990,
 'puzzlesolving': 2991, 'pulls': 2992, 'punches': 2993, 'th': 2994, 'insane':
 2995, 'unlockable': 2996, 'aye': 2997, 'doomed': 2998, 'conception': 2999,
 'minor': 3000, 'nonsequel': 3001, 'tone': 3002, 'pgrated': 3003, 'confirm':
 3004, 'exaggerating': 3005, 'trailer': 3006, 'carrell': 3007, 'costars': 3008,
 'freeman': 3009, 'helms': 3010, 'animals': 3011, 'integration': 3012,
 'greenscreen': 3013, 'translate': 3014, 'succeeds': 3015, 'meagre': 3016,
 'lesser': 3017, 'cancan': 3018, 'boasts': 3019, 'cutest': 3020, 'leading': 3021,
 'headoverheels': 3022, 'insipid': 3023, 'efforts': 3024, 'heche': 3025, 'sam':
 3026, 'shepards': 3027, 'gung': 3028, 'ho': 3029, 'marine': 3030, 'sobering':
 3031, 'riveted': 3032, 'resounding': 3033, 'hanks': 3034, 'fingernails': 3035,
 'chalkboard': 3036, 'unnecessary': 3037, 'train': 3038, 'roller': 3039,
 'coaster': 3040, 'grates': 3041, 'nerves': 3042, 'improved': 3043,
 'improvisation': 3044, 'worry': 3045, 'surroundings': 3046, 'crackles': 3047,
 'youthful': 3048, 'concentrate': 3049, 'meanders': 3050, 'builders': 3051,
 'cross': 3052, 'g': 3053, 'pg': 3054, 'noncliche': 3055, 'predict': 3056,
 'verbatim': 3057, 'chills': 3058, 'nevsky': 3059, 'whoever': 3060, 'planned':
 3061, 'dodge': 3062, 'stratus': 3063, 'makers': 3064, 'restrained': 3065,
 'québec': 3066, 'wordofmouth': 3067, 'promote': 3068, 'thoughtprovoking': 3069,
 'wellpaced': 3070, 'suited': 3071, 'bliss': 3072, 'horrendous': 3073,
 'retarded': 3074, 'girls': 3075, 'manna': 3076, 'evaluate': 3077, 'veteran':
 3078, 'nostalgia': 3079, 'ursula': 3080, 'burtons': 3081, 'nun': 3082, 'nuns':
 3083, 'shirley': 3084, 'jones': 3085, 'rendition': 3086, 'cotton': 3087,
 'unfaithful': 3088, 'gere': 3089, 'dialogs': 3090, 'shallow': 3091, 'insincere':
 3092, 'politically': 3093, 'idiotsavant': 3094, 'peaking': 3095, 'columbo':
 3096, 'ohsomature': 3097, 'neighbourgirl': 3098, 'misplace': 3099, 'weaker':
 3100, 'debated': 3101, 'sack': 3102, 'trumpeter': 3103, 'falsely': 3104,
 'murder': 3105, 'applause': 3106, 'prelude': 3107, 'villain': 3108, 'michael':
 3109, 'ironside': 3110, 'rocked': 3111, 'social': 3112, 'physical': 3113,
 'outlets': 3114, 'ben': 3115, 'affleck': 3116, 'leaving': 3117, 'wifetobe':
 3118, 'knocked': 3119, 'excruciatingly': 3120, 'wedding': 3121, 'agreed': 3122,
 'aired': 3123, 'dribble': 3124, 'imdb': 3125, 'mirrormask': 3126,
 'inexperience': 3127, 'meant': 3128, 'ineptly': 3129, 'stereotypically': 3130,
 'schoolers': 3131, 'cry': 3132, 'relate': 3133, 'sharing': 3134, 'confuses':
 3135, 'underwater': 3136, 'repeated': 3137, 'thousand': 3138, 'redeemed': 3139,
 'mst3k': 3140, 'fodder': 3141, 'anthony': 3142, 'horse': 3143, 'lifeoh': 3144,
 'walk': 3145, 'theatre': 3146, 'relief': 3147, 'pillow': 3148, 'tickets': 3149,
 '750': 3150, 'identifies': 3151, 'reversestereotypes': 3152, 'actorsan': 3153,
 'haggis': 3154, 'handle': 3155, 'strokes': 3156, 'storytellinga': 3157,
 'painted': 3158, 'crayons': 3159, 'crash': 3160, 'provokes': 3161, 'emotion':

3162, 'teaches': 3163, 'prejudice': 3164, 'empowerment': 3165, 'shutdown': 3166,
 'primal': 3167, 'impulse': 3168, 'selfpreservation': 3169, 'shattered': 3170,
 'recover': 3171, 'joins': 3172, 'revenge': 3173, 'boogeyman': 3174, 'zombiez':
 3175, 'hellish': 3176, 'trinity': 3177, 'distinction': 3178, 'artless': 3179,
 'endlessly': 3180, 'ugliest': 3181, 'is\x85was': 3182, 'charismafree': 3183,
 'merit': 3184, 'akin': 3185, 'atrocitiy': 3186, 'voyage': 3187, 'selfdiscovery':
 3188, 'unrecommended': 3189, 'garbo': 3190, 'bat': 3191, 'talents': 3192,
 'netflix': 3193, 'stocking': 3194, 'renowned': 3195, 'frances': 3196, 'marion':
 3197, 'suffered': 3198, 'heroes': 3199, 'shined': 3200, 'senior': 3201,
 'showcasing': 3202, 'punched': 3203, 'gallon': 3204, 'spew': 3205, 'foxx': 3206,
 'owns': 3207, 'spacek': 3208, 'coal': 3209, 'miners': 3210, 'quaid': 3211,
 'balls': 3212, 'himself': 3213, 'legendary': 3214, 'biographical': 3215,
 'musician': 3216, 'ironically': 3217, 'secondly': 3218, 'perfected': 3219,
 'chase': 3220, 'pandering': 3221, 'sabotages': 3222, 'rumbles': 3223,
 'desperately': 3224, 'depending': 3225, 'logic': 3226, 'unremarkable': 3227,
 'author': 3228, 'abstruse': 3229, 'culture': 3230, 'reenactments': 3231,
 'emotionally': 3232, 'adrift': 3233, 'stagy': 3234, 'sits': 3235, 'soldiers':
 3236, 'masculinity': 3237, 'pledge': 3238, 'hairsplitting': 3239, 'purity':
 3240, 'admiration': 3241, 'swords': 3242, 'kill': 3243, 'momentum': 3244,
 'quicker': 3245, 'resume': 3246, 'amateurish': 3247, 'fascinated': 3248,
 'inconsistencies': 3249, 'horrid': 3250, 'ballet': 3251, 'repertory': 3252,
 'developments': 3253, 'woa': 3254, 'sappiest': 3255, 'unwatchable': 3256,
 'filmography': 3257, 'site': 3258, 'chance': 3259, 'intentions': 3260,
 'themeat': 3261, 'wouldbe': 3262, 'undertone': 3263, 'fifties': 3264,
 'existential': 3265, 'worldweariness': 3266, 'ought': 3267, 'regrettably': 3268,
 'expression': 3269, 'celebration': 3270, 'patriotism': 3271, 'underlines': 3272,
 'allison': 3273, 'cinematographyif': 3274, 'thatsucked': 3275, 'concert': 3276,
 'sequences': 3277, 'ridiculousness': 3278, 'surface': 3279, 'stateoftheart':
 3280, 'conceptually': 3281, 'everybody': 3282, 'fantasy': 3283, 'actingwise':
 3284, 'considered': 3285, 'understood': 3286, 'identified': 3287,
 'noircrime drama': 3288, 'belmondo': 3289, 'lino': 3290, 'ventura': 3291,
 'portrayals': 3292, 'detailing': 3293, 'loyalty': 3294, 'treachery': 3295,
 'melville': 3296, 'manages': 3297, 'transcend': 3298, 'limitations': 3299,
 'indie': 3300, 'continually': 3301, 'subverting': 3302, 'emerge': 3303,
 'intense': 3304, 'crocododile': 3305, 'believed': 3306, 'crocs': 3307, 'swamp':
 3308, 'christopher': 3309, 'eccleston': 3310, 'tardis': 3311, 'continuation':
 3312, 'succeeded': 3313, 'heres': 3314, 'pi': 3315, 'witticisms': 3316, 'bob':
 3317, 'rise': 3318, 'finale': 3319, 'kieslowski': 3320, 'amaze': 3321,
 'colours': 3322, 'flag': 3323, 'connections': 3324, 'survivors': 3325, 'ferry':
 3326, 'valentine': 3327, 'solidifying': 3328, 'happiness': 3329, 'dealt': 3330,
 'anything a': 3331, 'roths': 3332, 'pearls': 3333, 'awarded': 3334, 'eloquently':
 3335, 'francis': 3336, 'ford': 3337, 'coppola': 3338, 'gradually': 3339,
 'develop': 3340, 'lies': 3341, 'nicolas': 3342, 'roeg': 3343, 'wih': 3344,
 'translating': 3345, 'strives': 3346, 'greatness': 3347, 'muddled': 3348,
 'disparate': 3349, 'accurately': 3350, 'defined': 3351, 'tolerate': 3352,
 'political': 3353, 'incorrectness': 3354, 'artistic': 3355, 'suspension': 3356,
 'slavic': 3357, 'outlandish': 3358, 'psychotic': 3359, 'lovable': 3360,
 'enjoyment': 3361, 'repair': 3362, 'bitchy': 3363, 'boss': 3364, 'tear': 3365,

'malta': 3366, 'settings': 3367, 'barren': 3368, 'hockey': 3369, 'defensemen':
3370, 'goalies': 3371, 'diving': 3372, 'net': 3373, 'superficial': 3374,
'stagey': 3375, 'farce': 3376, 'pyromaniac': 3377, 'waylaid': 3378, 'switched':
3379, 'yawn': 3380, 'educational': 3381, 'barney': 3382, 'duper': 3383, 'babie':
3384, 'bop': 3385, 'storm': 3386, 'trooper': 3387, 'potted': 3388, 'plants':
3389, 'shameful': 3390, 'television': 3391, 'writers': 3392, 'smack': 3393,
'bonus': 3394, 'showthese': 3395, 'episodes': 3396, 'latched': 3397,
'endearing': 3398, 'familys': 3399, 'sibling': 3400, 'bond': 3401, 'unneeded':
3402, 'controversy': 3403, 'damian': 3404, 'versatile': 3405, 'cutting': 3406,
'passion': 3407, 'ireland': 3408, 'horrified': 3409, 'sympathetic': 3410,
'movements': 3411, 'shelf': 3412, 'elias': 3413, 'koteasjack': 3414, 'palance':
3415, 'angelina': 3416, 'nakedbilly': 3417, 'cameo': 3418, 'sven': 3419, 'ole':
3420, 'thorsen': 3421, 'ebay': 3422, 'poler': 3423, 'cutebut': 3424, 'fort':
3425, 'steele': 3426, 'unrealistic': 3427, '70000': 3428, 'bell': 3429,
'higher': 3430, 'sink': 3431, 'slackers': 3432, 'excuses': 3433, 'actions':
3434, 'excerpts': 3435, 'designed': 3436, 'amazingstylized': 3437, 'exemplars':
3438, 'designer': 3439, 'powerful': 3440, 'explorations': 3441, 'politics':
3442, 'rendering': 3443, 'americas': 3444, 'imperial': 3445, 'faultless': 3446,
'underappreciated': 3447, 'keith': 3448, 'bully': 3449, 'teddy': 3450, 'vivid':
3451, 'sean': 3452, 'connerys': 3453, 'noble': 3454, 'brigand': 3455, 'candace':
3456, 'bergens': 3457, 'feisty': 3458, 'heroine': 3459, 'wily': 3460, 'hay':
3461, 'kanalys': 3462, 'spiffy': 3463, 'radiant': 3464, 'cando': 3465,
'lieutenant': 3466, 'roosevelts': 3467, 'stick': 3468, 'adventure': 3469,
'portrayed': 3470, 'schizophrenic': 3471, 'affected': 3472, 'apt': 3473, 'ryan':
3474, 'imitation': 3475, 'individual': 3476, 'oldfashioned': 3477, 'tuneful':
3478, 'rita': 3479, 'hayworth': 3480, 'pedestal': 3481, 'exploit': 3482,
'financial': 3483, 'gain': 3484, 'nonlinear': 3485, 'narration': 3486,
'flashbacks': 3487, 'articulated': 3488, 'monica': 3489, 'bellucci': 3490,
'commentary': 3491, 'todays': 3492, 'timers': 3493, 'laughs': 3494, 'feelgood':
3495, 'northern': 3496, 'community': 3497, 'represents': 3498, 'vivian': 3499,
'schilling': 3500, '95': 3501, 'theatres': 3502, 'screamy': 3503, 'masculine':
3504, 'casted': 3505, 'throwback': 3506, 'student': 3507, '1980s': 3508,
'experiences': 3509, 'abroad': 3510, 'interacting': 3511, 'nationalities': 3512,
'slightly': 3513, 'ticker': 3514, 'buildings': 3515, 'locations': 3516, 'hummh':
3517, 'excellentangel': 3518, 'adorablehis': 3519, 'yelps': 3520, 'scaredand':
3521, 'funniest': 3522, 'whenscamp': 3523, 'curtain': 3524, 'beforei': 3525,
'movieits': 3526, 'edition': 3527, '20the': 3528, 'lid': 3529,
'romanticcharminghilariousand': 3530, 'adorablethe': 3531, 'funnyall': 3532,
'specialtoo': 3533, 'laughedkids': 3534, 'itbuy': 3535, 'outit': 3536, 'chosen':
3537, 'tortured': 3538, 'blatant': 3539, 'propaganda': 3540, 'hatred': 3541,
'admitted': 3542, 'school': 3543, 'admins': 3544, 'thunderbirds': 3545,
'slowmotion': 3546, 'needlessly': 3547, 'repeats': 3548, 'backed': 3549,
'vehicles': 3550, 'flakes': 3551, 'bordered': 3552, 'stupidity': 3553, 'nor':
3554, 'hide': 3555, 'monumental': 3556, 'halfway': 3557, 'embarrassed': 3558,
'howell': 3559, 'nutbag': 3560, 'stephen': 3561, 'mchattie': 3562, 'lance':
3563, 'hendrikson': 3564, 'raging': 3565, 'cheekbones': 3566, 'actingenven':
3567, 'professionals': 3568, 'debbie': 3569, 'rochonwas': 3570, 'contributory':
3571, 'former': 3572, 'chimplike': 3573, 'tolerable': 3574, 'oyvey': 3575,

'simplifying': 3576, 'brevity': 3577, 'fulfilling': 3578, 'amusing': 3579,
'convoluted': 3580, 'convince': 3581, 'questioning': 3582, 'bela': 3583,
'lugosi': 3584, 'extraneous': 3585, 'intoning': 3586, 'decidely': 3587,
'universal': 3588, 'b': 3589, 'armand': 3590, 'assante': 3591, 'companys': 3592,
'tying': 3593, 'comprehensible': 3594, 'hang': 3595, 'camp': 3596, 'expecting':
3597, 'mollusk': 3598, 'loosely': 3599, 'moviegoing': 3600, 'string': 3601,
'lower': 3602, 'fox': 3603, 'scripts': 3604, 'victor': 3605, 'mclaglen': 3606,
'donlevy': 3607, 'taylor': 3608, 'president': 3609, 'unmoving': 3610, 'taylors':
3611, 'stanwycks': 3612, 'producer': 3613, 'gifted': 3614, 'cheerless': 3615,
'heist': 3616, 'characterisation': 3617, 'underbite': 3618, 'stoic': 3619,
'emoting': 3620, 'yun': 3621, 'tomorrow': 3622, 'abandoned': 3623, 'factory':
3624, 'executed': 3625, 'flying': 3626, 'judo': 3627, 'la': 3628, 'woo': 3629,
'squibs': 3630, 'america': 3631, 'derivative': 3632, 'hopeless': 3633, 'uneasy':
3634, 'composed': 3635, 'elderly': 3636, 'babbling': 3637, 'overwrought': 3638,
'pseudosatanic': 3639, 'gibberish': 3640, 'corny': 3641, 'teen': 3642, 'goth':
3643, 'blush': 3644, 'olde': 3645, 'latin': 3646, 'sloppy': 3647, 'balanced':
3648, 'underacting': 3649, 'competent': 3650, 'jerry': 3651, 'falwell': 3652,
'starring': 3653, 'jaclyn': 3654, 'smith': 3655, 'allstar': 3656, '110': 3657,
'lifetime': 3658, 'sells': 3659, 'musthave': 3660, 'assaulted': 3661,
'strident': 3662, 'cords': 3663, 'blare': 3664, 'pap': 3665, 'screened': 3666,
'punish': 3667, 'unemployed': 3668, 'understatement': 3669, 'universe': 3670,
'team': 3671, 'trond': 3672, 'fausa': 3673, 'aurvåg': 3674, 'bothersome': 3675,
'comment': 3676, '2006': 3677, 'move': 3678, 'initially': 3679, 'local': 3680,
'sites': 3681, 'buffalo': 3682, 'intrigued': 3683, 'applauded': 3684, 'lilt':
3685, 'duris': 3686, 'views': 3687, 'barcelona': 3688, 'famed': 3689, 'gaudi':
3690, 'towers': 3691, 'thoughts': 3692, 'despised': 3693, 'rough': 3694,
'draft': 3695, 'shooting': 3696, 'completed': 3697, 'personalities': 3698,
'twists': 3699, 'occur': 3700, 'irritating': 3701, 'indescribably': 3702,
'idiotic': 3703, 'idiot': 3704, 'cheesiness': 3705, 'unethical': 3706, 'nc17':
3707, 'zillion': 3708, 'washing': 3709, 'twirling': 3710, 'grade': 3711, 'z':
3712, 'foxs': 3713, 'road': 3714, '1948': 3715, 'silly': 3716, 'noir': 3717,
'unmitigated': 3718, 'blandly': 3719, 'edward': 3720, 'chodorov': 3721,
'negulesco': 3722, 'widmark': 3723, 'unintentionally': 3724, 'comical': 3725,
'marbles': 3726, 'marred': 3727, 'constant': 3728, 'exteriors': 3729,
'prompted': 3730, 'middleaged': 3731, 'upper': 3732, 'uptight': 3733,
'mistakes': 3734, 'jokes': 3735, 'offend': 3736, 'littered': 3737, 'overt':
3738, 'slurs': 3739, 'members': 3740, 'whites': 3741, 'depicted': 3742,
'morons': 3743, 'boobs': 3744, 'major': 3745, 'destroy': 3746, 'latifas': 3747,
'steamboat': 3748, 'willie': 3749, 'amazingly': 3750, 'plane': 3751,
'filmmostly': 3752, 'groundbreaking': 3753, 'tons': 3754, 'filmsomething': 3755,
'granted': 3756, 'pleaser': 3757, '1928': 3758, 'timeless': 3759, 'straw': 3760,
'cruel': 3761, 'crowdpleaserthis': 3762, 'mickeys': 3763, '80': 3764,
'bipolarity': 3765, 'thug': 3766, 'luvs': 3767, 'diaper': 3768, 'commercial':
3769, 'awards': 3770, 'accolades': 3771, 'body': 3772, '1947': 3773, 'garfield':
3774, 'ann': 3775, 'revere': 3776, 'lilli': 3777, 'plmer': 3778, 'william':
3779, 'conrad': 3780, 'leeand': 3781, 'cinematographers': 3782, 'screenjames':
3783, 'wong': 3784, 'howe': 3785, 'qualities': 3786, 'badwellits': 3787,
'thomerson': 3788, '1986': 3789, 'problems\x97the': 3790, 'professor': 3791,

'established': 3792, 'zombiestudents': 3793, 'necklace': 3794, 'containing':
 3795, 'meteorite': 3796, 'matthews': 3797, 'wrote': 3798, '1995': 3799, 'grim':
 3800, 'aspects': 3801, 'gore': 3802, 'convention': 3803, 'cg': 3804,
 'microsoft': 3805, 'slideshow': 3806, 'gods': 3807, 'explosion': 3808, 'tanks':
 3809, 'okay': 3810, 'critic': 3811, 'duethe': 3812, 'creature': 3813, 'gotta':
 3814, 'closeups': 3815, 'slimy': 3816, 'drooling': 3817, 'breeders': 3818,
 'ebola': 3819, 'virus': 3820, 'charisma': 3821, 'comedic': 3822, 'timing': 3823,
 'debts': 3824, 'popcorn': 3825, 'borders': 3826, 'lewis': 3827, 'blacks': 3828,
 'considerable': 3829, 'incendiary': 3830, 'unrestrained': 3831, 'sole': 3832,
 'bright': 3833, 'superbad': 3834, 'interim': 3835, 'originality': 3836,
 'freshness': 3837, 'offer': 3838, 'evidently': 3839, 'reflected': 3840,
 'belowpar': 3841, 'borrowed': 3842, 'filmiing': 3843, 'expansive': 3844,
 'convey': 3845, 'broad': 3846, 'sweep': 3847, 'landscapes': 3848, 'trashy':
 3849, 'sequel': 3850, 'precisely': 3851, 'proudly': 3852, 'classical': 3853,
 'wb': 3854, 'toons': 3855, 'delivered': 3856, 'underrated': 3857, 'murky': 3858,
 'related': 3859, 'sitcoms': 3860, 'oriented': 3861, 'teenagers': 3862,
 'peculiarity': 3863, 'excessively': 3864, 'phony': 3865, 'contrived': 3866,
 'sit': 3867, 'um': 3868, 'perabo': 3869, 'foolish': 3870, 'accents': 3871,
 'hypocrisy': 3872, 'rubbish': 3873, 'nonresearched': 3874, 'pitch': 3875,
 'omit': 3876, 'instant': 3877, 'catchy': 3878, 'simmering': 3879, 'boiling':
 3880, 'warts': 3881, 'poets': 3882, 'bohemian': 3883, 'wartime': 3884,
 'bombardments': 3885, 'london': 3886, 'outward': 3887, 'tranquillity': 3888,
 'welsh': 3889, 'coastal': 3890, 'retreat': 3891, 'borderlines': 3892,
 'friendship': 3893, 'lust': 3894, 'concerns': 3895, 'jealousy': 3896, 'rivalry':
 3897, 'cowardice': 3898, 'egotism': 3899, 'heroism': 3900, 'selfsacrifice':
 3901, 'suggests': 3902, 'tensions': 3903, 'inappropriate': 3904, 'smiling':
 3905, 'keira': 3906, 'knightley': 3907, 'prone': 3908, 'inventive': 3909,
 'closeup': 3910, 'pointillistic': 3911, 'behold': 3912, 'continuously': 3913,
 'bertolucci': 3914, 'sidelined': 3915, 'inexplicable': 3916, 'crew': 3917,
 'regardless': 3918, 'custer': 3919, 'alongside': 3920, 'olivia': 3921,
 'havilland': 3922, 'dads': 3923, 'grew': 3924, 'realised': 3925, 'jim': 3926,
 'oconnor': 3927, 'energetic': 3928, 'george': 3929, 'hosting': 3930,
 'voiceovers': 3931, 'monotonous': 3932, 'shenanigans': 3933, 'spy': 3934,
 'kidnapped': 3935, 'foreign': 3936, 'random': 3937, 'taxidermists': 3938,
 'stewart': 3939, 'hero': 3940, 'rips': 3941, 'climax': 3942, 'embassy': 3943,
 'brooding': 3944, 'menace': 3945, 'hitchcocks': 3946, 'lowbudget': 3947,
 'nevertheless': 3948, 'stable': 3949, 'sci': 3950, 'fi': 3951, 'scifis': 3952,
 'producers': 3953, 'scot': 3954, 'vandiver': 3955, 'nonetheless': 3956, 'campy':
 3957, 'mindbendingly': 3958, 'scares': 3959, 'medical': 3960, 'terminology':
 3961, 'iffy': 3962, 'insulin': 3963, 'dependant': 3964, 'diabetic': 3965,
 'complexity': 3966, 'task': 3967, 'challenges': 3968, 'facing': 3969,
 'attempted': 3970, 'truth': 3971, 'reconciliation': 3972, 'magnificent': 3973,
 'woven': 3974, 'splendid': 3975, 'view': 3976, 'subtitles': 3977, 'aversion':
 3978, 'therapy': 3979, 'jason': 3980, 'connery': 3981, 'moved': 3982, 'tears':
 3983, 'monolog': 3984, 'candle': 3985, 'sphere': 3986, 'helen': 3987,
 'baxendale': 3988, 'credible': 3989, 'cheerfull': 3990, 'naughty': 3991,
 'deadly': 3992, 'shakespears': 3993, 'lyrics': 3994, 'dr': 3995, 'seuss': 3996,
 'brilliantly': 3997, 'animated': 3998, 'upas': 3999, 'finest': 4000, 'academy':

4001, 'award': 4002, 'integral': 4003, 'helping': 4004, 'baileys': 4005, 'eiko':
 4006, 'ishioka': 4007, 'coppolas': 4008, 'dracula': 4009, '1971': 4010,
 'format': 4011, 'miniseries': 4012, 'baaaaaad': 4013, 'collect': 4014, 'extant':
 4015, 'austens': 4016, 'consolations': 4017, 'annes': 4018, 'speaking': 4019,
 'unbearably': 4020, 'kitchy': 4021, 'raw': 4022, 'sublimely': 4023,
 'theatrical': 4024, 'everyones': 4025, 'terror': 4026, 'lie': 4027,
 'escalating': 4028, 'monstrous': 4029, 'consequences': 4030, 'mesmerising':
 4031, 'elses': 4032, 'fumbling': 4033, 'hankies': 4034, 'faces': 4035, 'males':
 4036, 'females': 4037, 'alike': 4038, 'julian': 4039, 'fellowes': 4040,
 'triumphed': 4041, 'national': 4042, 'treasure': 4043, 'welldone': 4044,
 'phrase': 4045, 'owed': 4046, 'kris': 4047, 'kristoffersen': 4048, 'marriage':
 4049, 'errors': 4050, 'commented': 4051, 'cars': 4052, 'garage': 4053,
 'glassesthe': 4054, 'facial': 4055, 'configuration': 4056, 'inspiration': 4057,
 'overcome': 4058, 'rejection': 4059, 'punishment': 4060, 'park': 4061,
 'southern': 4062, 'california': 4063, 'desert': 4064, 'patent': 4065,
 'accessible': 4066, 'miserable': 4067, 'angela': 4068, 'bennett': 4069,
 'pretext': 4070, 'repeating': 4071, 'robotic': 4072, 'moves': 4073, 'delete':
 4074, 'ass': 4075, 'uncalled': 4076, 'geek': 4077, 'bible': 4078, 'thumper':
 4079, 'badass': 4080, 'pulling': 4081, 'equivalent': 4082, 'dickens': 4083,
 'carol': 4084, 'sensibility': 4085, 'success': 4086, 'depends': 4087, 'sydney':
 4088, 'greenstreet': 4089, 'yardley': 4090, 'eyepleasing': 4091, 'rpg': 4092,
 'selfrespecting': 4093, 'rpger': 4094, 'youtube': 4095, 'lassie': 4096,
 'painfully': 4097, 'dreary': 4098, 'timewaster': 4099, 'becomes': 4100,
 'forgettable': 4101, 'sobaditsgood': 4102, 'sobaditsmemorable': 4103, 'shell':
 4104, 'barking': 4105, 'transfers': 4106, 'relaxing': 4107, 'title': 4108,
 'handles': 4109, 'dignity': 4110, 'shocking': 4111, 'tvnever': 4112,
 'memorized': 4113, 'fishnet': 4114, 'stockings': 4115, 'astonishingly': 4116,
 'ham': 4117, 'fisted': 4118, 'irons': 4119, 'watson': 4120, 'unconditional':
 4121, 'wilkinsons': 4122, 'ordeal': 4123, 'progresses': 4124, 'anguish': 4125,
 'watsons': 4126, 'pans': 4127, 'reviewers': 4128, 'interview': 4129, 'vampire':
 4130, 'lestat': 4131, 'stuart': 4132, 'townsend': 4133, 'cruises': 4134,
 'aailiyah': 4135, 'akasha': 4136, 'entrance': 4137, 'mini': 4138, 'rices': 4139,
 'sensitivities': 4140, 'treatments': 4141, 'details': 4142, 'dysfunctionhe':
 4143, 'football': 4144, 'perplexing': 4145, 'skilled': 4146, 'meredith': 4147,
 'm': 4148, 'worthy': 4149, 'syrupy': 4150, 'indulgent': 4151, 'nine': 4152,
 'goremeister': 4153, 'lucio': 4154, 'subgenre': 4155, 'thrillers': 4156,
 'standout': 4157, 'unpleasant': 4158, 'technically': 4159, 'riz': 4160,
 'ortolani': 4161, 'recurring': 4162, 'unaccompanied': 4163, 'vocal': 4164,
 'distant': 4165, 'dustin': 4166, 'hoffmans': 4167, 'involving': 4168, 'issue':
 4169, 'tired': 4170, 'ps': 4171, 'jennifer': 4172, 'rubin': 4173, 'harris':
 4174, 'changes': 4175, 'nervous': 4176, 'starlet': 4177, 'situations': 4178,
 'coach': 4179, 'snow': 4180, 'ultracheap': 4181, 'exciting': 4182, 'uniqueness':
 4183, 'foreigner': 4184, '1973': 4185, 'stranger': 4186, 'astronaut': 4187,
 'considers': 4188, 'astronauts': 4189, 'ussr': 4190, 'scream': 4191, 'scare':
 4192, 'indictment': 4193, 'justice': 4194, 'system': 4195, 'fundamental': 4196,
 'legal': 4197, 'guilt': 4198, 'innocence': 4199, 'routine': 4200, 'factbased':
 4201, 'constantine': 4202, 'intensity': 4203, 'motivations': 4204, 'inspiring':
 4205, 'etcits': 4206, 'stinker': 4207, 'directtovideo': 4208, 'release': 4209,

'trek': 4210, 'v': 4211, 'frontier': 4212, 'includes': 4213, 'shatner': 4214,
'nimoy': 4215, 'washed': 4216, 'tacky': 4217, 'spock': 4218, 'rescue': 4219,
'kirk': 4220, 'jet': 4221, 'mountain': 4222, 'humor': 4223, 'dosent': 4224,
'involves': 4225, 'vulcan': 4226, 'stealing': 4227, 'enterprise': 4228, 'uhura':
4229, 'distract': 4230, 'male': 4231, 'guards': 4232, 'subjects': 4233, 'jay':
4234, 'adams': 4235, 'unfortunate': 4236, 'subject': 4237, 'evokes': 4238,
'grainy': 4239, 'enhanced': 4240, 'surprises': 4241, 'achille': 4242,
'philippa': 4243, 'sing': 4244, 'don': 4245, 'giovanni': 4246, 'describes':
4247, 'layers': 4248, '18th': 4249, 'jutland': 4250, 'instruments': 4251,
'general': 4252, 'loewenhielms': 4253, 'partaking': 4254, 'cailles': 4255, 'en':
4256, 'sarcophage': 4257, 'savor': 4258, 'impression': 4259, 'generates': 4260,
'austere': 4261, 'backdrop': 4262, 'wanting': 4263, 'notch': 4264, 'fleshed':
4265, 'grimes': 4266, 'blake': 4267, 'scripted': 4268, 'deadpan': 4269, 'angus':
4270, 'scrimm': 4271, 'gently': 4272, 'menacing': 4273, 'violinplaying': 4274,
'anatomist': 4275, 'entertained': 4276, 'phantasm': 4277, '1949': 4278,
'collective': 4279, 'concerning': 4280, 'kudos': 4281, 'lesserknown': 4282,
'superintelligent': 4283, 'juano': 4284, 'hernandez': 4285, 'supporting': 4286,
'murdering': 4287, 'trumbull': 4288, 'chanceit': 4289, 'huston': 4290,
'evinced': 4291, 'faithful': 4292, 'joyces': 4293, 'acclaimed': 4294, 'novella':
4295, 'feelings': 4296, 'thoughtsgabriels': 4297, 'danceall': 4298,
'intangibles': 4299, 'leap': 4300, 'viewers': 4301, 'grasp': 4302, 'wondered':
4303, 'shortlist': 4304, 'emperor': 4305, 'bigbudget': 4306, 'surely': 4307,
'coherent': 4308, 'force': 4309, 'obliged': 4310, 'creative': 4311, 'subplots':
4312, 'native': 4313, 'beall': 4314, 'endall': 4315, 'brainsucking': 4316,
'telly': 4317, 'savallas': 4318, 'boyle': 4319, '54': 4320, 'sheer': 4321,
'tedium': 4322, 'melodrama': 4323, 'sinking': 4324, 'decisions': 4325,
'establish': 4326, 'subplot': 4327, 'follows': 4328, 'band': 4329, 'latterday':
4330, 'mansonites': 4331, 'reporter': 4332, 'whos': 4333, 'anniversary': 4334,
'killings': 4335, 'indication': 4336, 'meld': 4337, 'volatile': 4338,
'temperaments': 4339, 'seamless': 4340, 'union': 4341, 'creativity': 4342,
'powerhouse': 4343, 'cultures': 4344, 'fascination': 4345, 'celebrity': 4346,
'interpretations': 4347, 'fame': 4348, 'forgotten': 4349, 'kevin': 4350,
'spacey': 4351, 'verbal': 4352, 'tsunami': 4353, 'buddy': 4354, 'ackerman':
4355, 'scripting': 4356, 'unmatched': 4357, 'ages': 4358, 'younger': 4359,
'galley': 4360, 'pm': 4361, '8pm': 4362, '815pm': 4363, 'forwarded': 4364,
'horrendously': 4365, 'buildup': 4366, 'captain': 4367, 'howdy': 4368, 'semi':
4369, 'truck': 4370, 'linda': 4371, 'cardellini': 4372, 'shes': 4373, 'poised':
4374, 'dee': 4375, 'snider': 4376, 'villains': 4377, 'sophisticated': 4378,
'miserably': 4379, 'unoriginal': 4380, 'cinematic': 4381, 'captured': 4382,
'celluloid': 4383, 'supernatural': 4384, 'zombie': 4385, 'thread': 4386, 'leni':
4387, 'parker': 4388, 'anita': 4389, 'laselva': 4390, 'taelons': 4391,
'idealogical': 4392, 'centers': 4393, 'puppet': 4394, 'flicks': 4395,
'explains': 4396, 'sinister': 4397, 'origins': 4398, 'f': 4399, 'x': 4400,
'insomniacs': 4401, 'heartwarming': 4402, 'chasing': 4403, 'nurse': 4404,
'unpredictability': 4405, 'labute': 4406, 'brutal': 4407, 'violence': 4408,
'seperate': 4409, 'boringpointless': 4410, 'secondary': 4411,
'incomprehensible': 4412, 'relation': 4413, 'primary': 4414, 'mystifying': 4415,
'shelves': 4416, 'moviemaking': 4417, 'warn': 4418, 'youdo': 4419, 'dumbest':

4420, 'hbo': 4421, 'cox': 4422, 'win': 4423, 'agree': 4424, 'jessica': 4425, 'onedimensional': 4426, 'elaborately': 4427, 'aesthetically': 4428, 'sculpture': 4429, 'soap': 4430, 'operas': 4431, 'prays': 4432, 'charismatic': 4433, 'paolo': 4434, 'sorrentino': 4435, 'tony': 4436, 'unforgettable': 4437, 'titta': 4438, 'di': 4439, 'girolamo': 4440, 'vision': 4441, 'estevezs': 4442, 'debut': 4443, 'estevez': 4444, 'charlie': 4445, 'kathy': 4446, 'bates': 4447, 'desperation': 4448, 'escapism': 4449, 'variation': 4450, 'fields': 4451, 'condescends': 4452, 'greatestespecially': 4453, 'arts': 4454, 'daughters': 4455, 'paint': 4456, 'photograph': 4457, 'poignant': 4458, 'movieit': 4459, 'alert': 4460, 'decipher': 4461, 'meanings': 4462, 'matrix': 4463, 'sequels': 4464, 'mindblowing': 4465, 'dream': 4466, 'rickman': 4467, 'stowe': 4468, 'hilt': 4469, 'childrens': 4470, 'subversive': 4471, 'tract': 4472, 'gloriously': 4473, 'accurate': 4474, 'raver': 4475, 'idyllic': 4476, 'downs': 4477, 'groove': 4478, 'antithesis': 4479, 'traffic': 4480, 'crowes': 4481, 'picked': 4482, 'government': 4483, 'scientist': 4484, 'argued': 4485, 'humanity': 4486, 'dwight': 4487, 'schultz': 4488, 'sincere': 4489, 'onscreen': 4490, 'critical': 4491, 'gorman': 4492, 'bechard': 4493, 'homework': 4494, 'characterage': 4495, 'appropriate': 4496, 'captures': 4497, 'essence': 4498, 'track': 4499, 'commands': 4500, 'contributing': 4501, 'seeing': 4502, 'threshold': 4503, 'hayao': 4504, 'eighth': 4505, 'ghibli': 4506, 'gake': 4507, 'ue': 4508, 'cliff': 4509, 'dominated': 4510, 'disney': 4511, 'pixars': 4512, 'cgi': 4513, 'comforting': 4514, 'miyazaki': 4515, 'relying': 4516, 'handdrawn': 4517, 'enchanted': 4518, 'remarkable': 4519, 'crayon': 4520, 'pencil': 4521, 'drawings': 4522, 'colorful': 4523, 'fanciful': 4524, 'drift': 4525, 'surf': 4526, '1998': 4527, 'impact': 4528, 'armageddon': 4529, 'choked': 4530, 'youve': 4531, 'vessel': 4532, 'taken': 4533, 'mighty': 4534, 'frost': 4535, 'bonuses': 4536, 'fest': 4537, 'spoiled': 4538, 'brat': 4539, 'babysitting': 4540, 'sundays': 4541, 'march': 4542, 'judith': 4543, 'cutie': 4544, 'confidence': 4545, 'wellbalanced': 4546, 'riot': 4547, 'hugo': 4548, 'weaving': 4549, 'sexobsessed': 4550, 'gay': 4551, 'estate': 4552, 'salesman': 4553, 'clients': 4554, 'houses': 4555, 'trysts': 4556, 'flaming': 4557, 'darren': 4558, 'hollander': 4559, 'flowed': 4560, 'malebonding': 4561, 'hoot': 4562, 'n': 4563, 'genre': 4564, 'jessice': 4565, 'clothes': 4566, 'virtue': 4567, 'regrettable': 4568, 'exceptionally': 4569, 'bank': 4570, 'holiday': 4571, 'rick': 4572, 'honesty': 4573, 'ahead': 4574, 'warmer': 4575, 'wayyy': 4576, 'cape': 4577, 'cod': 4578, 'ravoli': 4579, 'chickenwith': 4580, 'cranberrymmm': 4581, 'disgusted': 4582, 'shocked': 4583, 'indicate': 4584, 'cash': 4585, 'burritos': 4586, 'interior': 4587, 'rightthe': 4588, 'velvet': 4589, 'cakeohhh': 4590, 'hole': 4591, 'luke': 4592, 'sever': 4593, 'combos': 4594, 'blow': 4595, 'accident': 4596, 'grab': 4597, 'pub': 4598, 'hiro': 4599, 'melted': 4600, 'styrofoam': 4601, 'pucks': 4602, 'disgust': 4603, 'register': 4604, 'rib': 4605, 'section': 4606, 'firehouse': 4607, 'pink': 4608, 'mein': 4609, 'itfriendly': 4610, 'flatlined': 4611, 'strings': 4612, 'banana': 4613, 'petrified': 4614, 'receives': 4615, 'cocktails': 4616, 'handmade': 4617, 'military': 4618, 'dos': 4619, 'gringos': 4620, 'updatewent': 4621, 'tastings': 4622, 'jeff': 4623, 'milkshake': 4624, 'chocolate': 4625, 'milk': 4626, 'excalibur': 4627, 'common': 4628, 'cheated': 4629, 'experiencing': 4630, 'parties': 4631, 'smelled': 4632, 'pan': 4633, 'cakes': 4634, 'raving': 4635,

'tailored': 4636, 'palate': 4637, 'ratio': 4638, 'tenders': 4639,
'unsatisfying': 4640, 'omelets': 4641, 'sexy': 4642, 'outrageously': 4643,
'flirting': 4644, 'hottest': 4645, 'rock': 4646, 'casino': 4647, 'forward':
4648, 'bone': 4649, 'bloody': 4650, 'marys': 4651, 'mussels': 4652, 'reduction':
4653, 'buffets': 4654, 'tigerlilly': 4655, 'personable': 4656, 'sooooo': 4657,
'yama': 4658, '40min': 4659, 'arriving': 4660, 'actual': 4661, 'blandest': 4662,
'cuisine': 4663, 'worries': 4664, 'loving': 4665, 'venture': 4666, 'host': 4667,
'bitches': 4668, 'liking': 4669, 'reviewing': 4670, 'venturing': 4671, 'penne':
4672, 'vodka': 4673, 'meatloaf': 4674, 'crispy': 4675, 'lox': 4676, 'capers':
4677, 'meet': 4678, 'weekend': 4679, 'suggestions': 4680, 'bamboo': 4681,
'shoots': 4682, 'blanket': 4683, 'moz': 4684, 'ignore': 4685, 'fiancé': 4686,
'middle': 4687, 'mandalay': 4688, 'forty': 4689, 'vain': 4690, 'crostini': 4691,
'nigiri': 4692, 'flavored': 4693, 'voodoo': 4694, 'gluten': 4695, 'leftover':
4696, 'relocated': 4697, 'diverse': 4698, 'handsdown': 4699, 'hella': 4700,
'salty': 4701, 'spinach': 4702, 'avocado': 4703, 'ingredients': 4704, 'handed':
4705, 'listed': 4706, 'waitresses': 4707, 'lordy': 4708, 'khao': 4709, 'soi':
4710, 'accommodations': 4711, 'inspired': 4712, 'desired': 4713, 'maintaining':
4714, 'coziness': 4715, 'weekly': 4716, 'haunt': 4717, 'asking': 4718, 'verge':
4719, 'dressed': 4720, 'rudely': 4721, 'hits': 4722, 'quantity': 4723, 'lemon':
4724, 'raspberry': 4725, 'cocktail': 4726, 'imagined': 4727, 'crepe': 4728,
'bits': 4729, 'topvery': 4730, 'missing': 4731, 'joeys': 4732, 'voted': 4733,
'magazine': 4734, 'fridays': 4735, 'blows': 4736, 'exceeding': 4737, 'dreamed':
4738, 'servive': 4739, 'inviting': 4740, '1979': 4741, 'stepped': 4742, 'foot':
4743, 'mixed': 4744, 'mushrooms': 4745, 'yukon': 4746, 'beateous': 4747,
'climbing': 4748, 'tartar': 4749, 'jamaican': 4750, 'mojitos': 4751, 'rich':
4752, 'accordingly': 4753, 'rinse': 4754, 'nude': 4755, 'bussell': 4756,
'sprouts': 4757, 'risotto': 4758, 'pepperand': 4759, 'bodes': 4760, 'wrapped':
4761, 'dates': 4762, 'otto': 4763, 'welcome': 4764, 'mains': 4765, 'uninspired':
4766, 'muststop': 4767, 'worlds': 4768, 'drunk': 4769, 'patty': 4770,
'uploaded': 4771, 'sporting': 4772, 'walls': 4773, 'tvs': 4774, 'theyd': 4775,
'descriptions': 4776, 'eel': 4777, 'mayowell': 4778, 'sauces': 4779, 'hardest':
4780, 'rolled': 4781, 'providing': 4782, 'flavourful': 4783, 'freezing': 4784,
'ayce': 4785, 'mood': 4786, 'based': 4787, 'gratitude': 4788, 'privileged':
4789, 'silently': 4790, 'peanut': 4791, 'godfathers': 4792, 'recall': 4793,
'visited': 4794, 'proclaimed': 4795, 'wildly': 4796, 'veggitarian': 4797,
'platter': 4798, 'madison': 4799, 'ironman': 4800, 'chefs': 4801, 'dedicated':
4802, 'spots': 4803, 'jenni': 4804, 'goat': 4805, 'skimp': 4806, 'mac': 4807,
'burned': 4808, 'saganaki': 4809, 'disagree': 4810, 'fellow': 4811, 'yelpers':
4812, 'noodles': 4813, 'chip': 4814, 'count': 4815, 'servicecheck': 4816,
'greedy': 4817, 'corporation': 4818, 'dime': 4819, 'outdoor': 4820, 'muffin':
4821, 'untoasted': 4822, 'bus': 4823, 'figured': 4824, 'publicly': 4825,
'loudly': 4826, 'bbq': 4827, 'lighter': 4828, 'inhouse': 4829, 'downside': 4830,
'shawrrrrrrma': 4831, 'eyed': 4832, 'peas': 4833, 'unreal': 4834,
'vinaigrette': 4835, '400': 4836, 'honor': 4837, 'hut': 4838, 'coupons': 4839,
'unbelievably': 4840, 'covers': 4841, 'replenished': 4842, 'yucky': 4843, '17':
4844, 'delicioso': 4845, 'spaghetti': 4846, 'tucson': 4847, 'vegasthere': 4848,
'chipotle': 4849, 'succulent': 4850, 'baseball': 4851, 'app': 4852, 'genuinely':
4853, 'enthusiastic': 4854, 'sadly': 4855, 'gordon': 4856, 'ramseys': 4857,

'shall': 4858, 'offered': 4859, 'handling': 4860, 'rowdy': 4861, 'despicable': 4862, 'craving': 4863, 'ache': 4864, 'elegantly': 4865, 'customize': 4866, 'bean': 4867, 'outta': 4868, 'inconsiderate': 4869, 'hi': 4870, 'dinners': 4871, 'outshining': 4872, 'halibut': 4873, 'starving': 4874, 'def': 4875, 'ethic': 4876, 'andddd': 4877, 'located': 4878, 'crystals': 4879, 'shopping': 4880, 'aria': 4881, 'summarize': 4882, 'nay': 4883, 'transcendant': 4884, 'pneumatic': 4885, 'condiment': 4886, 'dispenser': 4887, 'ians': 4888, 'kiddos': 4889, 'bouchon': 4890, 'accountant': 4891, 'screwed': 4892, 'reminds': 4893, 'shops': 4894, 'san': 4895, 'francisco': 4896, 'buldogis': 4897, 'gourmet': 4898, 'frustrated': 4899, 'petty': 4900, 'iced': 4901, 'hungry': 4902, 'sore': 4903, 'companions': 4904, 'meeverything': 4905, 'ground': 4906, 'smeared': 4907, 'beensteppedinandtrackedeverywhere': 4908, 'bird': 4909, 'poop': 4910, 'furthermore': 4911, 'operation': 4912, 'connisseur': 4913, 'topic': 4914, 'jerk': 4915, 'strike': 4916, 'rushed': 4917, 'across': 4918, 'appetizer': 4919, 'absolutley': 4920, '15lb': 4921, '4ths': 4922, 'gristle': 4923, 'steiners': 4924, 'fs': 4925, 'pears': 4926, 'almonds': 4927, 'spicier': 4928, 'prefer': 4929, 'ribeye': 4930, 'mesquite': 4931, 'gooodd': 4932, 'connoisseur': 4933, 'mouthful': 4934, 'relaxed': 4935, 'venue': 4936, 'couples': 4937, 'groups': 4938, 'nargile': 4939, 'tater': 4940, 'southwest': 4941, 'vanilla': 4942, 'smooth': 4943, 'profiterole': 4944, 'choux': 4945, 'pastry': 4946, 'az': 4947, 'carlys': 4948, 'foodand': 4949, 'ventilation': 4950, 'upgrading': 4951, 'letdown': 4952, 'camelback': 4953, 'shop': 4954, 'cartel': 4955, 'trimmed': 4956, '70': 4957, 'claimed': 4958, 'jewel': 4959, 'las': 4960, 'boiled': 4961, 'toro': 4962, 'tartare': 4963, 'cavier': 4964, 'thinly': 4965, 'wagyu': 4966, 'truffle': 4967, 'attached': 4968, 'decide': 4969, 'humiliated': 4970, 'worker': 4971, 'mebunch': 4972, 'name': 4973, 'callings': 4974, 'daily': 4975, 'specials': 4976, 'tragedy': 4977, 'pancake': 4978, 'crawfish': 4979, 'moms': 4980, 'multigrain': 4981, 'pumpkin': 4982, 'pecan': 4983, 'fluffy': 4984, 'airline': 4985, 'noca': 4986, 'gyro': 4987, 'lettuce': 4988, 'pastas': 4989, 'cheesecurds': 4990, 'finger': 4991, 'beauty': 4992, 'greasy': 4993, 'unhealthy': 4994, 'similarly': 4995, 'apology': 4996, 'togo': 4997, 'tiramisu': 4998, 'cannoli': 4999, 'upway': 5000, 'sun': 5001, 'meats': 5002, 'frenchman': 5003, 'martini': 5004, 'gc': 5005, 'thirty': 5006, 'vacant': 5007, 'yellowtail': 5008, 'carpaccio': 5009, 'strangers': 5010, 'hello': 5011, 'donut': 5012, 'saving': 5013, 'disgraceful': 5014, 'suffers': 5015, 'greens': 5016, 'hankering': 5017, 'theft': 5018, 'eew': 5019, 'overhaul': 5020, 'witnessed': 5021, 'regularly': 5022, 'swung': 5023, 'efficient': 5024, 'sucker': 5025, 'olives': 5026, 'perpared': 5027, 'giant': 5028, 'slices': 5029, 'dusted': 5030, 'powdered': 5031, 'sugar': 5032, 'fo': 5033, 'accomodate': 5034, 'vegan': 5035, 'veggie': 5036, 'crumby': 5037, 'pale': 5038, 'croutons': 5039, 'itll': 5040, 'trips': 5041, 'crema': 5042, 'café': 5043, 'expanded': 5044, 'philadelphia': 5045, 'north': 5046, 'scottsdale': 5047, 'soooooo': 5048, 'freaking': 5049, 'papers': 5050, 'reheated': 5051, 'wedges': 5052, 'absolute': 5053, 'bloody': 5054, 'mary': 5055, 'businesses': 5056, 'yellow': 5057, 'saffron': 5058, 'seasoning': 5059, 'noncustomer': 5060, 'grandmother': 5061, 'ignored': 5062, 'hostess': 5063, 'boys': 5064, 'shirt': 5065, 'drastically': 5066, 'highquality': 5067, 'caesar': 5068, 'madhouse': 5069, 'proven': 5070, 'moods': 5071, 'macarons': 5072, 'insanely': 5073, 'informative': 5074, 'plater': 5075,

'relax': 5076, 'sitdown': 5077, 'screams': 5078, 'booksomethats': 5079, 'duo': 5080, 'violinists': 5081, 'requested': 5082, 'baklava': 5083, 'falafels': 5084, 'baba': 5085, 'ganoush': 5086, 'mgm': 5087, 'courteous': 5088, 'eclectic': 5089, 'onion': 5090, 'rings': 5091, 'nobu': 5092, 'google': 5093, 'smashburger': 5094, 'lover': 5095, 'plantains': 5096, 'spends': 5097, 'panna': 5098, 'cotta': 5099, 'atmosphere1': 5100, 'flavors': 5101, 'slaw': 5102, 'drenched': 5103, 'mayo': 5104, 'piano': 5105, 'amazingrge': 5106, 'fillet': 5107, 'relleno': 5108, 'sergeant': 5109, 'pepper': 5110, 'auju': 5111, 'hawaiian': 5112, 'breeze': 5113, 'mango': 5114, 'magic': 5115, 'pineapple': 5116, 'smoothies': 5117, 'mortified': 5118, 'anyways': 5119, 'dripping': 5120, '2007': 5121, 'hospitality': 5122, 'paradise': 5123, 'refrained': 5124, 'recommending': 5125, 'cibo': 5126, 'mouths': 5127, 'bellies': 5128, 'dough': 5129, 'elk': 5130, 'specialand': 5131, 'hooked': 5132, 'classics': 5133, 'sorely': 5134, 'quaint': 5135, 'deliciously': 5136, 'dylan': 5137, 'tummy': 5138, 'gratuity': 5139, 'larger': 5140, 'apple': 5141, 'juice': 5142, 'han': 5143, 'nan': 5144, 'edinburgh': 5145, 'revisiting': 5146, 'naan': 5147, 'pine': 5148, 'touched': 5149, 'airport': 5150, 'speedy': 5151, 'calligraphy': 5152, 'stood': 5153, 'guest': 5154, 'extensive': 5155, 'inflate': 5156, 'smaller': 5157, 'grow': 5158, 'rapidly': 5159, 'lil': 5160, 'fuzzy': 5161, 'wontons': 5162, 'spice': 5163, 'overwhelm': 5164, '30s': 5165, 'arepas': 5166, 'jalapeno': 5167, 'shoe': 5168, 'block': 5169, 'lowkey': 5170, 'nonfancy': 5171, 'affordable': 5172, 'soups': 5173, 'sunday': 5174, 'hunan': 5175, 'flair': 5176, 'bartenders': 5177, 'nutshell': 5178, 'restaraunt': 5179, 'sewer': 5180, 'girlfriends': 5181, 'veal': 5182, 'satisfying': 5183, 'join': 5184, 'email': 5185, 'colder': 5186, 'describing': 5187, 'tepid': 5188, 'chains': 5189, 'crowds': 5190, 'juries': 5191, 'lawyers': 5192, 'arrives': 5193, 'paying': 5194, '785': 5195, 'wienerschnitzel': 5196, 'maine': 5197, 'roll': 5198, 'law': 5199, 'hereas': 5200, 'event': 5201, 'held': 5202, 'pissd': 5203, 'surprise': 5204, 'golden crispy': 5205, 'hopes': 5206, 'bruschetta': 5207, 'devine': 5208, 'employee': 5209, 'lastly': 5210, 'mozzarella': 5211, 'negligent': 5212, 'unwelcome': 5213, 'packed': 5214, 'seasonal': 5215, 'fruit': 5216, 'peach': 5217, 'officially': 5218, 'containers': 5219, 'opposed': 5220, 'cramming': 5221, 'takeout': 5222, 'boxes': 5223, 'crêpe': 5224, 'delicate': 5225, 'kabuki': 5226, 'overhip': 5227, 'underservices': 5228, 'maria': 5229, 'article': 5230, 'spices': 5231, 'fucking': 5232, 'caballeros': 5233, 'oysters': 5234, 'qualified': 5235, 'foods': 5236, 'tolerance': 5237, 'polite': 5238, 'wash': 5239, 'biscuit': 5240, 'coconut': 5241, 'fella': 5242, 'huevos': 5243, 'rancheros': 5244, 'wines': 5245, 'pricey': 5246, 'tempi': 5247, 'prepare': 5248, 'bare': 5249, 'gloveseverything': 5250, 'oil': 5251, 'pleasure': 5252, 'plethora': 5253, 'sandwiches': 5254, 'seal': 5255, 'approval': 5256, 'college': 5257, 'cooking': 5258, 'besides': 5259, 'costcos': 5260, 'highlighted': 5261, 'grocery': 5262, 'dude': 5263, 'doughy': 5264, 'inch': 5265, 'wire': 5266, 'ourselves': 5267, 'albondigas': 5268, 'tomato': 5269, 'meatballs': 5270, 'occasions': 5271, 'medium': 5272, 'bloodiest': 5273, 'anymore': 5274, 'chai': 5275, 'latte': 5276, 'allergy': 5277, 'warnings': 5278, 'clue': 5279, 'contain': 5280, 'peanuts': 5281, 'mediterranean': 5282, 'beers': 5283, 'highlight': 5284, 'concern': 5285, 'mellow': 5286, 'mushroom': 5287, 'strawberry': 5288, 'unprofessional': 5289, 'loyal': 5290, 'patron': 5291, 'occasional': 5292,


```
'pats': 5293, 'mmmm': 5294, 'bellagio': 5295, 'anticipated': 5296, 'sals': 5297,
'fav': 5298, 'unexperienced': 5299, 'employees': 5300, 'chickens': 5301,
'steakhouse': 5302, 'concept': 5303, 'guacamole': 5304, 'puréed': 5305,
'postinos': 5306, 'poisoning': 5307, 'batch': 5308, 'yay': 5309, 'eve': 5310,
'caring': 5311, 'teamwork': 5312, 'degree': 5313, 'ri': 5314, 'calamari': 5315,
'fondue': 5316, 'itdefinitely': 5317, 'dennys': 5318, 'downright': 5319,
'waaaaaayyyyyyyyyyy': 5320, 'sangria': 5321, 'glass': 5322, 'brisket': 5323,
'trippy': 5324, 'hurry': 5325, 'reservation': 5326, 'stretch': 5327, 'cashew':
5328, 'chipolte': 5329, 'ranch': 5330, 'dipping': 5331, 'sause': 5332,
'watered': 5333, 'workers': 5334, 'douche': 5335, 'garden': 5336, 'con': 5337,
'spotty': 5338, 'ensued': 5339, 'apologize': 5340, 'binge': 5341, 'drinking':
5342, 'carbs': 5343, 'insults': 5344, 'profound': 5345, 'deuchebaggery': 5346,
'solidify': 5347, 'combo': 5348, 'ala': 5349, 'cart': 5350, 'blame': 5351,
'rave': 5352, 'herewhat': 5353, 'del': 5354, 'hamburger': 5355, 'services':
5356, 'yaall': 5357, 'fireball': 5358, 'disappointment': 5359, 'correction':
5360, 'heimer': 5361, 'prettyoff': 5362, 'brownish': 5363, 'ha': 5364, 'flop':
5365, '1199': 5366, 'bigger': 5367, 'sub': 5368, 'unwrapped': 5369, 'mile':
5370, 'brushfire': 5371, 'mirage': 5372, 'refried': 5373, 'dried': 5374,
'crusty': 5375, 'caterpillar': 5376, 'appetite': 5377, 'instantly': 5378,
'ninja': 5379, 'poured': 5380, 'wound': 5381, 'drawing': 5382}
```

```
[97]: # Reviews Encoded and Padded
print(reviews[0])
print(encoded_docs[0])
```

so there is no way for me to plug it in here in the us unless i go by a converter

```
[27, 49, 5, 60, 118, 12, 73, 6, 368, 7, 11, 67, 11, 1, 184, 640, 3, 77, 62, 4,
2215]
```

```
[98]: # view padded sequence for above example
print(padded_sequence[0])
```

```
[ 0  0  0  0  0  0  0  0  0  0  0  0  0  0
 0  0  0  0  0  0  0  0  0  0  0  0  0  0
 0  0  0  0  0  0  0  0  0  0  0  0  0  0
 0  0  0  0  0  0  0  0  0  0  0  0  0  0
 0  0  0  0  0  0  0  0  0  0  0  0  0  0
 0  0  0  0  0  0  0  0  0  0  0  0  0  0
 0  0  0  0  0  0  0  0  0  0  0  0  0  0
 0  0  0  0  0  0  0  0  0  0  0  0  0  0
 0  0  0  0  0  0  0  0  0  0  0  0  0  0
 0  0  0  0  0  0  0  0  0  0  0  0  0  0
 0  0  0  0  0  0  0  0  0  0  0  27  49  5
60 118 12  73  6 368  7 11  67 11  1 184 640  3
77  62  4 2215]
```

```
[99]: # Splitting the data into training and test set.
X = np.array(description_list)
y = review_df.label.values

from sklearn.model_selection import train_test_split
X_train, X_test, y_train, y_test = train_test_split(X, y, test_size = 0.20,
    ↪ random_state = 15, stratify = y)

X_train, X_validation, y_train, y_validation = train_test_split(X_train,
    y_train,
    random_state = 73,
    test_size = 0.20,
    stratify = y_train)

y_train = pd.Series(y_train)
y_test = pd.Series(y_test)

# View the training and testing sample sizes
print("Training size: ", X_train.shape)
print("Testing size: ", X_test.shape)
```

Training size: (1758,)
 Testing size: (550,)

```
[100]: print("X Shape: ",X.shape)
print("y Shape: ",y.shape)
print("X_train Shape: ",X_train.shape)
print("X_test Shape: ",X_test.shape)
print("y_train Shape: ",y_train.shape)
print("y_test Shape: ",y_test.shape)
```

X Shape: (2748,)
 y Shape: (2748,)
 X_train Shape: (1758,)
 X_test Shape: (550,)
 y_train Shape: (1758,)
 y_test Shape: (550,)

```
[101]: #tokenizer = Tokenizer(oov_token='<UNK>')
tokenizer = Tokenizer(oov_token='<OOV>')

#Fit Commentary Dict Based on Frequency
keras_token.fit_on_texts(X_train)

word_count = keras_token.word_index # Create Dict Var
```

```

print('Size of data vocab: ', len(word_count)+1) # Print Word Count + 1 for 0
↳ index
list(word_count.items())[2015:2022] # Random Sample

tokenizer.fit_on_texts(X_train)

vocab_size=len(tokenizer.word_index)+1
word_index=tokenizer.word_index
train_sequences=tokenizer.texts_to_sequences(X_train)
test_sequences=tokenizer.texts_to_sequences(X_test)
train_padded=pad_sequences(train_sequences, padding='post',
↳ maxlen=max_review_length)
test_padded=pad_sequences(test_sequences, padding='post',
↳ maxlen=max_review_length)

```

Size of data vocab: 5571

```

[102]: # Verify Shapes
print('X_train Shape: {} \nX_test Shape: {} \nX_Validation Shape: {}'.
↳ format(X_train.shape, X_test.shape, X_validation.shape))

```

X_train Shape: (1758,)
X_test Shape: (550,)
X_Validation Shape: (440,)

```

[103]: sequences_train = tokenizer.texts_to_sequences(X_train)
sequences_train

```

```

[103]: [[184, 222, 507, 64, 185, 33],
[15, 156, 170],
[645, 1449, 223, 33],
[67, 102, 646],
[29, 157, 899, 508, 49, 41],
[4, 10, 158],
[509, 255, 900, 115, 3],
[2, 116, 44],
[18, 89, 10, 901, 510, 1450, 12, 25, 647, 1451, 902, 1452],
[67, 2, 3],
[903, 1453, 1454],
[303, 350, 256, 46, 2, 904, 1455, 7, 186],
[905, 257, 9, 511, 7, 11, 906, 512, 1456, 97, 47, 907, 908, 28, 46, 138],
[513, 1457, 224, 171, 139, 159, 79],
[103, 1458, 34, 18, 909, 1459, 648, 6],
[15, 3, 44],
[22, 421, 304],
[3, 126, 187, 2, 1460, 910, 1461, 68, 649],

```

[49, 30, 3, 911, 117],
 [351, 912, 127, 350, 13, 913, 514],
 [914],
 [9, 41, 304],
 [10, 3],
 [160],
 [225, 915, 5, 73, 305, 1462, 226, 916],
 [917, 23, 26],
 [918, 1463, 919, 1464, 2, 1465, 79],
 [422, 650, 423, 24, 651, 652],
 [47, 11, 5, 1466, 920, 55, 5, 11, 9],
 [3, 515, 30],
 [42, 921, 516, 306, 16],
 [922, 30, 80, 2, 2, 653],
 [923, 517, 55, 81, 1467, 924, 1468, 925, 8, 188, 352, 307],
 [46, 104, 518, 1469, 189, 190, 69, 41],
 [4, 1470, 1471],
 [10, 58, 3, 42, 74, 519, 80],
 [42, 191, 30],
 [59, 172, 14, 25],
 [15, 223],
 [173, 308, 258, 424, 1472, 1473],
 [23, 425, 157, 75, 518, 6, 192, 4],
 [140, 39, 654, 161, 309, 1474, 926, 1475, 426],
 [1476, 1477, 927, 6, 1478, 117],
 [128, 1479, 427],
 [1480, 928, 929, 655, 930, 174, 931, 175],
 [310, 129, 129, 927, 1481, 9, 353, 16, 19],
 [520, 656, 48, 41],
 [193,
 932,
 1482,
 933,
 1483,
 1484,
 1485,
 934,
 935,
 521,
 936,
 259,
 522,
 523,
 36,
 194,
 76,
 1486,

141],
 [32, 311],
 [5, 1487, 354, 657, 524],
 [1488, 105],
 [227,
 5,
 658,
 176,
 3,
 228,
 659,
 1489,
 1490,
 1491,
 52,
 45,
 937,
 1492,
 312,
 142,
 9,
 195],
 [660, 661, 50, 118, 1493, 1494, 1495, 662],
 [67, 260, 663, 229, 26, 355, 428, 356, 938],
 [1496, 939],
 [525],
 [117],
 [36, 230, 12, 940, 526, 1497, 941, 942, 48, 943, 261],
 [303, 353, 90, 7, 664, 1498, 527, 1499, 1500, 20, 143, 90],
 [1501, 6, 27, 82],
 [313, 1502, 314, 6, 429],
 [223, 33],
 [83, 1503, 1504, 944, 1505, 2, 430, 312, 2, 105],
 [84, 262, 162, 27, 357, 162, 2, 1506, 144, 315, 263, 1507],
 [2, 116, 76, 358, 34, 945, 34],
 [264, 665, 104, 316, 666, 3, 52],
 [6, 431, 1508],
 [4, 10, 359, 360, 163, 1509, 946, 317, 947, 432],
 [528, 948, 318, 48, 949, 1510],
 [529, 26],
 [5, 950, 1511, 1512, 1513, 196, 1514, 1515, 433, 7],
 [51, 667, 361, 530, 951, 258, 1516, 668, 1517],
 [669, 3, 119],
 [13, 12, 669, 1518],
 [670, 106, 1519, 952, 1520, 77, 1521],
 [265, 98, 1522, 7],
 [231, 434, 515],

[14, 2, 37, 65, 58, 531, 526, 145, 1523, 362, 1524, 1525, 1526, 1527],
 [5, 32, 69, 953, 311],
 [49, 30, 174, 37, 33, 31, 99, 319, 435, 319, 33, 31, 99],
 [10, 107, 52, 363],
 [670, 56, 23, 26],
 [954, 128, 532, 127, 671, 91, 127, 364, 2, 436, 1528, 672, 146],
 [100, 1529, 917, 266, 267],
 [437, 1530, 34, 16, 4],
 [188, 2, 9, 533, 955, 956, 1531, 2, 1532, 116, 1533],
 [79, 1534],
 [156, 41, 5, 1535],
 [157, 673, 38, 32, 147, 31, 120, 41, 40, 39, 1536, 268],
 [957],
 [320, 321, 1537, 365, 84, 19, 1538, 192, 44],
 [313, 5, 11],
 [2, 115, 108, 60],
 [15, 11, 44, 321, 1539, 1540, 60, 70, 534],
 [43, 164, 148, 3, 30, 322, 65],
 [6, 84, 46, 104, 1541, 958, 535, 48, 269, 196],
 [118, 1542, 163, 366, 21, 674, 536, 675],
 [1543, 1544, 438],
 [107, 6],
 [12, 85, 3, 959],
 [676, 1545, 35, 677, 960, 961, 962, 1546, 1547],
 [513, 678, 678, 367, 66, 679, 270],
 [64, 963, 35, 197, 64, 680, 368, 25, 537, 323, 130],
 [18, 62, 92],
 [87, 439, 440],
 [12, 2, 538],
 [17, 3, 106, 189, 1548, 539, 83, 681, 540, 682, 2, 105, 964, 965, 2, 20, 3],
 [683, 1549, 271, 953, 966, 1550, 35, 81],
 [10, 102, 8, 351, 967, 145],
 [121, 369],
 [272, 968, 684, 685],
 [273, 1551, 1552, 53, 1553],
 [686, 5],
 [969, 2, 8],
 [50, 7],
 [87, 30, 14],
 [687, 92, 426],
 [232, 101, 272],
 [16, 1554, 688, 1555, 970, 1556, 1557, 1558, 541],
 [324, 1559, 971],
 [29, 41, 325],
 [272, 3, 264, 43, 972, 1560, 1561],
 [689, 690, 973, 1562, 351, 45, 1563, 441, 7, 1564, 1565, 35],
 [5, 2, 198, 103, 1566, 233, 66, 53],

[691, 542, 55, 274, 974],
 [321, 353, 84, 439, 30, 147, 31, 86],
 [975, 1567, 3, 6, 149],
 [976, 1568],
 [442, 977, 2, 76, 543, 978],
 [1569, 275, 148],
 [43, 1570, 8, 75, 234],
 [979, 2, 20, 42],
 [1571, 7, 544, 545],
 [37, 131],
 [1572,
 1573,
 20,
 260,
 3,
 131,
 651,
 980,
 546,
 370,
 1574,
 1575,
 1576,
 1577,
 1578,
 981],
 [358, 1579, 982, 983],
 [29, 36, 984, 199, 985],
 [28, 443, 692, 693, 444, 694, 195],
 [326, 547, 986, 1580, 1581, 108],
 [18, 62, 92, 8],
 [3, 1582, 445, 28, 987, 7, 102, 350],
 [5,
 1583,
 200,
 695,
 1584,
 74,
 1585,
 1586,
 1587,
 196,
 1588,
 1589,
 1590,
 988,
 695,

989,
 29,
 36,
 235,
 1591,
 201,
 61,
 1592,
 276,
 202,
 1593,
 990,
 258,
 17,
 695,
 434,
 988,
 991,
 1594],
 [1595, 696, 1596, 683, 109, 1597, 371, 1598, 1599],
 [1600, 1601, 1602, 1603, 2, 697, 548, 446, 1604, 992],
 [165, 236, 26],
 [1605,
 993,
 994,
 1606,
 7,
 1607,
 1608,
 1609,
 1610,
 995,
 995,
 1611,
 1612,
 549,
 447,
 996,
 45,
 997],
 [14, 1613],
 [237, 32, 277, 1614],
 [428, 1615, 1616, 1617],
 [1618, 1619, 70, 448],
 [28, 998, 33, 9, 31, 1620, 278],
 [999, 192, 203, 93, 185, 1000, 132, 9, 22, 31, 29, 25, 550],
 [372, 65, 1621, 373, 21, 1622, 449, 1001, 1623, 1624],

[150, 374, 1625, 1626],
 [1627, 26, 327, 8, 2, 47, 71],
 [279, 2, 1628, 450, 1629, 1002, 375, 1630, 2, 161],
 [1631, 1632, 1633, 551, 2, 1634],
 [22, 1003, 376, 1635, 14, 942, 75, 449],
 [177, 4],
 [108, 42, 552, 3, 34, 81],
 [97, 11, 1004, 7, 204, 5, 11, 5],
 [1636, 21, 50, 553, 238, 205, 554, 1005],
 [142, 195, 164],
 [1637, 698],
 [1006, 48],
 [1007, 555, 681, 1638, 1639, 1640, 1008, 166, 370, 1641, 206, 122, 267],
 [1642, 1643, 147, 31],
 [1644,
 128,
 1009,
 1009,
 239,
 132,
 128,
 1645,
 239,
 271,
 132,
 128,
 328,
 1646,
 377,
 693,
 239],
 [27, 28, 13, 5, 163, 5],
 [1647, 1648, 1649, 1650, 1651, 684, 1652, 29, 178, 151, 677, 3],
 [47, 378, 43, 207, 224, 24, 16, 19, 25, 1653],
 [545, 328, 2, 166, 943, 73, 1654, 1010],
 [22, 6, 556],
 [1011,
 70,
 1012,
 129,
 699,
 1655,
 557,
 1656,
 1657,
 1013,
 1658,

1659,
 1014,
 1660,
 46,
 1015,
 700,
 1661,
 1662,
 1663,
 1664,
 1665,
 1666,
 1667,
 1668,
 1669,
 1670,
 28,
 1016,
 204,
 72,
 1017,
 1018,
 1671,
 1672,
 1673,
 1674,
 1675,
 1017,
 1676,
 1677],
 [279, 422, 144, 208, 2, 1678],
 [91, 92, 26],
 [24, 314, 10, 1679, 1680],
 [167, 150, 1019, 379],
 [82, 451, 1681],
 [31, 223, 33, 168, 28],
 [107, 18, 62, 8, 92],
 [558,
 28,
 5,
 13,
 13,
 7,
 52,
 103,
 67,
 9,

13,
9,
5,
280,
2,
4,
30,
7,
662,
380,
1020,
240,
110,
559,
5,
688,
130,
1682,
1683,
179,
27,
152,
1684,
98,
130,
56,
209,
50,
1685,
380,
1020,
7,
15,
18,
50,
123,
38,
329,
5,
18,
56,
29,
25,
133,
5,
560,
452,

1014,
70,
448,
241,
24,
41,
193,
923,
1021,
5,
1686,
204,
16,
15,
656,
1022,
132,
40,
73,
15,
11,
35,
84,
1687,
210,
1688,
1023,
24,
1689,
1690,
330,
1691,
1692,
236,
561,
562,
131,
281,
1024,
1693,
7,
1694,
550,
1695,
1696,
1025,
1697,

550,
 4,
 1026,
 1027],
 [508, 4, 156, 56, 701, 22, 148, 29, 39, 111, 225, 46, 272],
 [47, 1028, 1698, 1029, 32, 508, 453, 18, 702, 55, 1699, 1700, 191, 282],
 [703, 9, 704, 331, 62, 92],
 [17, 1701, 1030, 1031, 1702, 1703],
 [229, 67, 330],
 [283],
 [1704, 7, 1705, 555, 1706, 1707, 1708, 1709, 35],
 [1710, 1711, 2, 1032, 454, 180],
 [24, 61, 1033, 284, 1712, 563, 16, 1034, 1713, 1714, 23, 1035],
 [376, 1715, 449],
 [2, 564, 21],
 [455, 171, 2, 4, 65],
 [237, 705, 706, 126, 3, 1716, 1717, 1718, 73, 91, 158, 1719, 381, 707],
 [456, 33],
 [68, 106],
 [275, 31],
 [211, 31, 37],
 [1720, 1721, 5, 58, 13],
 [256, 2, 1722, 62, 8, 1036, 24, 61, 123, 25, 50, 7],
 [1037, 1038, 52, 1039, 382],
 [383, 1723, 1040, 693, 2, 105],
 [384, 138, 18, 62, 8, 92, 9, 13, 112],
 [105, 14, 275, 325],
 [457, 85, 1724, 1041, 708, 652],
 [63, 177, 51, 1725, 212, 2, 385, 1726, 450, 52, 709, 134, 3],
 [4, 162],
 [255, 1022, 659, 113, 1042, 1727, 1728, 1729, 1730],
 [157, 64, 1043, 190],
 [1731, 21, 4, 1732, 74, 710, 131, 4],
 [1733, 1734, 3],
 [15, 275, 44, 151],
 [1044, 711, 34, 957, 1735],
 [15, 366, 1736, 672, 5, 32, 5, 712, 1045, 565, 332],
 [1737, 242, 44, 23, 1046, 566, 1738, 1739, 112, 1740],
 [10, 17, 69, 1047, 544, 1741],
 [10, 1742, 1048],
 [713, 74, 80, 22, 12, 25, 665],
 [15, 283],
 [3, 44, 19, 39],
 [68, 714, 243, 1049, 958],
 [3, 285, 234],
 [2, 117, 5, 157, 1743],
 [149, 333, 6],

[244, 22, 6, 29, 25],
 [1744, 3],
 [18, 56, 229, 386, 26, 1745, 1746, 330, 12],
 [65, 56, 10, 24, 48, 213, 1050],
 [567, 178, 1747, 26, 66, 357, 153],
 [387, 214],
 [42, 328, 458],
 [1748, 1749, 215, 1051, 715, 4, 176, 168, 334, 196, 15, 19],
 [6, 192, 113],
 [10, 2, 459, 12, 444, 1750],
 [78, 190, 716, 1052, 6],
 [87, 127, 8, 131],
 [567, 82, 38, 388, 1751, 53, 1752],
 [53, 335, 84, 169],
 [1053, 1054, 133, 9, 993, 7, 47, 384, 717, 39, 132, 1055, 72],
 [14, 2, 1753, 67, 61, 1754],
 [94, 1755, 2, 118, 12, 165],
 [308,
 38,
 718,
 568,
 1056,
 41,
 1756,
 1757,
 1758,
 81,
 2,
 1056,
 127,
 308,
 104,
 206,
 932,
 559,
 2,
 334,
 1759,
 129,
 568],
 [200, 1760, 152],
 [34, 216, 427],
 [1761, 149],
 [142, 1762, 1763, 569, 716, 1764, 1765],
 [95],
 [1766, 142, 195, 2, 719, 79],
 [274, 336, 1767, 16, 135, 1768, 200, 1057],

[447, 570],
 [37, 44, 460, 148],
 [18, 62, 92],
 [18,
 271,
 231,
 720,
 1058,
 1769,
 49,
 389,
 228,
 721,
 1770,
 101,
 1771,
 2,
 331,
 1059,
 1772],
 [64, 1060, 1773, 158, 1774],
 [45, 42],
 [20, 382, 1061, 1775, 1776, 722, 1777, 723, 71, 1778, 165],
 [31, 16, 1779],
 [538, 6, 13, 34, 81, 1780, 571, 1062],
 [20, 101, 245, 54, 1781, 947],
 [78, 1028, 461, 572, 1782],
 [124, 272],
 [239, 2, 697],
 [59, 9, 563],
 [88, 573, 98],
 [14, 179, 2, 3],
 [143, 44, 223, 274, 33],
 [136, 7, 286, 1783],
 [100, 1063],
 [360, 188, 1064, 53, 112, 9, 513],
 [1784, 18, 27, 62, 8],
 [1065, 699, 7, 724, 1785, 1786, 574, 462],
 [105, 149, 21, 442, 141, 6],
 [360, 571, 97],
 [6, 1787, 725, 4, 725, 319, 6, 2, 173, 201, 1788, 232, 267, 257, 128],
 [159, 1066],
 [1789, 54, 122, 120],
 [15, 91, 32, 72, 3, 9],
 [7, 1067, 1790, 441, 1791, 1068, 907, 1792, 1793, 213, 683, 41, 1069],
 [94, 1794, 1795],
 [34, 81, 121, 1796],

[159, 195, 76, 26, 27, 463],
 [311, 2],
 [427, 6, 281, 1797],
 [1798, 1070, 1799, 1071, 118, 1072, 537, 317, 1800, 1070, 1801],
 [464, 1802, 1803],
 [11, 1073, 1804, 1805, 1806, 6],
 [36, 76, 26],
 [319, 1040, 1807, 1010, 2, 1074],
 [100, 335, 23, 26],
 [78, 63],
 [91, 1075, 575, 1808, 12, 195, 10],
 [700, 77, 1809],
 [287, 1810],
 [4, 374],
 [68, 1811],
 [726, 85, 51, 8, 727, 465, 145, 38, 275, 30, 12, 14],
 [728, 2, 1812, 1813, 1076, 256, 553, 8],
 [535, 1077, 729, 283, 5],
 [84, 12, 1814, 36, 730, 924, 1815, 731, 2, 666],
 [564, 1816, 1817],
 [732, 243],
 [16, 4],
 [2, 48, 1078, 6, 1818, 2, 22, 311],
 [178, 23, 285, 2, 1819],
 [576, 577, 1820, 23, 1821, 95],
 [1822, 733, 325, 447, 180, 1823, 1824, 119, 1825, 119],
 [1826, 151, 1827, 578, 12, 2, 236, 165, 8],
 [11, 191, 45, 284, 1828, 60, 31, 58, 1829, 268, 124, 154, 217, 1830, 60],
 [34, 17, 81],
 [2, 287, 1831, 72, 90, 7, 188, 3, 64, 124, 1832, 1833],
 [10, 466, 332],
 [1834, 35, 260, 1835, 1836],
 [9, 91, 1837, 214, 1838, 547, 5, 1839, 1840, 1841, 9, 544, 1079],
 [63, 44, 1842],
 [1843, 1844, 218, 15, 1845, 33],
 [9, 40, 313, 1846, 274, 387, 126],
 [79, 320, 150, 579, 1847],
 [734, 929, 77, 978, 1848],
 [40, 735, 288, 21, 236, 522, 163],
 [10, 51, 443, 2, 71],
 [22, 14, 12, 25, 1849, 155, 2, 3, 137, 39, 154],
 [28,
 312,
 166,
 558,
 1002,
 1080,

1081,
350,
5,
11,
36,
736,
511,
511,
383,
17,
574,
35,
206,
991,
1850,
371,
580,
1851,
289,
5,
96,
1852,
77,
96,
1853,
581,
11,
677,
46,
104,
1854,
1855,
436,
737,
1856,
1857,
738,
582,
133,
18,
62,
8,
99,
5,
259,
739,
263,

90,
73,
265,
35,
740,
741,
1858,
1082,
583,
73,
16,
2,
1859,
5,
246,
235,
2,
90,
205,
213,
7,
35,
1860,
742,
2,
69,
11,
743,
1861,
8,
1862,
1863,
1082,
2,
1083,
73,
269,
744,
141,
1864,
584,
73,
337,
50,
73,
1084,
27,

1085,
125,
290,
9,
150,
1865,
15,
3,
140,
163,
1866,
368,
46,
104,
1867,
67,
316,
944,
1868,
58,
170,
1869,
1870,
745,
288,
181,
1871,
1872,
27,
13,
55,
32,
746,
549,
96,
5],
[5, 67, 538, 747],
[37, 80, 1873, 4, 14, 1086, 171, 200, 371],
[1874, 1875],
[15,
182,
88,
138,
1876,
1877,
2,
1045,

1878,
 123,
 17,
 1879,
 1880,
 1881,
 435,
 390],
 [1087],
 [9, 10, 748, 24, 1088, 23, 26],
 [585, 1882],
 [728, 1089],
 [28, 391, 586],
 [314, 749],
 [449, 376],
 [187, 137, 335, 8, 510, 107, 9, 27, 57, 1883, 51, 53],
 [85, 467, 675, 468, 157, 47, 587, 40, 1884, 2, 1885, 1886],
 [1031, 469, 155, 2, 588, 589, 4, 14],
 [135, 6, 197, 93, 1887, 1888, 203, 213, 219, 1889],
 [750, 180, 239, 134, 11, 575, 751],
 [27, 1890, 45, 160],
 [2, 52, 590],
 [1891, 470, 9, 1892],
 [66, 591, 35, 2, 522, 1090, 592, 1893],
 [9, 247, 593, 392, 1091, 1894],
 [10, 11, 1895, 41],
 [159, 57, 18, 11, 752, 18, 91, 9, 265, 7, 102, 8],
 [517, 64, 124],
 [167, 13, 13, 1071, 1896, 1897, 393, 1092, 50, 753, 1093, 1898, 5],
 [1899, 446, 1094, 666, 173, 1032, 454],
 [280, 754, 2, 331, 69, 394, 525],
 [1900, 165],
 [1901, 8, 390, 935],
 [21, 110, 220],
 [522, 694, 1095, 1902, 471, 1096, 2, 1044, 1097, 755, 465, 109],
 [2, 673],
 [594, 1098, 8, 756, 746, 8, 1903, 144, 1904, 84, 9],
 [48, 79, 338],
 [377, 184, 1099, 1905, 31, 24, 388, 60],
 [5, 3, 1906, 757, 81],
 [10, 2, 42, 1907],
 [18, 23],
 [8, 126, 80, 2, 173, 463, 2, 595],
 [144, 1908, 105, 1100],
 [12, 30, 17, 107],
 [100,
 718,

5,
 1909,
 1910,
 1101,
 77,
 1911,
 1101,
 758,
 596,
 1912,
 170,
 1913,
 28,
 1914,
 112,
 1915,
 17,
 75,
 218],
 [1004, 5, 42, 1916, 8, 1917, 72, 472, 1918, 1919, 1920, 395, 1102, 1921, 333],
 [4, 6],
 [303, 759, 760, 396, 1922, 397, 387],
 [1103, 156, 1923, 40, 177],
 [79, 34],
 [51, 8, 473, 111],
 [540,
 682,
 222,
 398,
 174,
 168,
 1924,
 1925,
 761,
 1926,
 1927,
 244,
 76,
 210,
 1104,
 1928,
 1929,
 1930],
 [12, 339, 57, 68, 1105, 1931, 332],
 [1932],
 [597, 34, 3, 149],
 [1933, 142, 63, 86, 1934, 340, 3, 1106, 1107, 1108, 1935],

[86, 527, 1936, 1937, 149, 34],
 [275, 89, 1109, 154, 1024, 1110, 1938, 204, 564, 1939, 109, 762],
 [1940, 14],
 [598, 2, 381, 399, 1111, 1941, 1111, 1942],
 [70, 400],
 [2, 11, 1112, 1113],
 [288, 205, 248, 1114],
 [10, 2, 763, 459, 12, 281, 125, 102],
 [1943, 3],
 [764, 6, 474, 1944, 1945, 243, 1946],
 [55, 243],
 [1947, 2, 71],
 [1948, 1949, 430, 70, 475],
 [380,
 1950,
 1951,
 1952,
 1953,
 1954,
 1955,
 1956,
 1957,
 1958,
 1115,
 9,
 599,
 1959,
 25,
 1960,
 1961,
 1962,
 1963],
 [1116, 445, 1117, 71, 264],
 [188,
 124,
 21,
 12,
 169,
 80,
 12,
 2,
 1964,
 733,
 1965,
 2,
 386,
 238,

11,
 2,
 201,
 1118],
 [88, 401, 161],
 [590, 765, 2, 580, 19],
 [236, 4],
 [155, 438, 335, 1966, 155, 1967, 341],
 [12, 1968, 139, 1969],
 [6, 58, 431, 29, 36, 402, 82],
 [232, 435, 1119, 249],
 [157, 1970, 162, 222, 330, 1033],
 [291, 381, 41, 41, 766, 9, 29, 1120, 566],
 [714, 18, 175, 290, 358, 27, 1971, 1121],
 [14, 2, 1972],
 [322, 30],
 [47, 1122, 600, 152, 121, 369, 324, 1973, 475],
 [1974, 383, 4, 767, 1975, 308, 312, 1976],
 [94, 4, 8, 1977],
 [231, 43, 768, 262, 1123, 18, 27, 323, 1978, 371],
 [80, 325, 2, 769],
 [38, 61],
 [1979, 1980, 1124, 22, 40, 320],
 [169, 14, 2, 58, 292],
 [1981, 1982, 601, 70, 1983, 654, 1984],
 [28, 770, 1985],
 [37],
 [353, 21, 312, 1125, 4, 724, 1986, 97, 1987, 1988],
 [377, 1126, 1989],
 [14, 2, 316, 137],
 [712, 112, 476, 208, 1990, 1127, 208, 121, 61, 10, 123, 248],
 [14, 2, 1991],
 [7, 17, 1992, 45],
 [193, 1993, 1994, 20, 1995, 771, 571, 1128, 5, 1996, 772, 122, 89, 959, 7],
 [477, 5, 392, 204, 773, 1997, 1998, 16, 279, 463],
 [14, 2, 105],
 [6, 403, 404],
 [4, 119, 4, 126, 4, 756, 71, 405],
 [307, 439, 1999, 208, 759, 2000, 260, 327, 51, 1129, 43, 293],
 [2, 115, 79, 395, 2001, 305, 774, 1130],
 [65, 2, 3, 467, 775, 2, 3, 148],
 [198, 237, 379, 119],
 [2002, 1131, 9, 2003, 22, 977, 2004, 2005],
 [2006, 90],
 [13, 30],
 [24, 23, 26],
 [2007, 729, 592, 214, 4, 7, 250, 86],

[29, 732, 2008, 478, 2009, 770, 2010, 1132],
 [4, 776, 234],
 [6, 2011, 216, 21, 2012],
 [2013, 2014, 342, 2, 20, 339],
 [29, 543, 1120, 99, 479],
 [2015, 2016, 51, 5, 1021, 1133, 74, 356, 602],
 [241, 2017, 23, 26],
 [343, 1134, 365, 951, 777, 6, 260],
 [85, 603, 2018, 17, 2019, 278, 6, 51, 40, 2020, 2, 15, 13, 14],
 [3, 152],
 [660, 661, 19, 480, 1135, 1136],
 [3, 40, 2, 406, 2, 407, 343, 2021, 1137, 276],
 [604, 228, 2022, 201, 1113],
 [2023, 778, 4, 2024, 375, 605],
 [584, 143, 10],
 [18, 56, 79],
 [1138, 481, 33, 21, 110, 220, 32, 262, 2025, 48, 2026],
 [365, 45, 446, 1139, 1140],
 [44, 258, 482, 375, 2027, 60, 606],
 [197, 57, 304, 2028, 56, 21, 337, 10, 381, 115, 69],
 [191, 3],
 [9, 22, 146, 12, 145],
 [405, 2029, 2030, 2, 71],
 [64, 2031, 2032, 2033, 263, 2034, 2035, 2036, 2037, 49, 31],
 [10, 30, 221, 30, 80],
 [408, 2038, 1141, 86, 483, 2039, 107, 2040, 2041],
 [279, 779, 10, 24, 438, 362, 2042, 73, 33, 2043, 780],
 [430],
 [43, 116, 2044, 12],
 [2045, 187, 392, 41, 257, 2046],
 [28, 734, 1142, 2047, 2048, 9],
 [24, 61, 224, 123],
 [2, 452],
 [59, 70, 400, 25, 521, 603, 172, 14],
 [161],
 [781, 1143, 249],
 [251, 11, 2049, 1137],
 [2050, 2051, 36, 50, 132, 2052],
 [5, 17, 173, 409, 77, 74, 523],
 [3, 34, 84, 15, 292],
 [309,
 782,
 960,
 35,
 2053,
 480,
 2054,

2055,
 20,
 1131,
 1144,
 771,
 1051,
 2056,
 9,
 24,
 175,
 4,
 607],
 [203, 28, 23, 26],
 [16, 4],
 [108, 268, 19, 241, 482, 593, 219, 54],
 [2057, 464, 2058, 3],
 [2059, 5, 58, 48, 341],
 [96, 6, 2060],
 [58, 3, 410, 455],
 [2061, 61],
 [78, 120],
 [2062, 338, 484, 395, 485, 2, 47, 2063, 232, 1145, 2064, 2, 1003],
 [251, 608, 20, 13, 266, 2065],
 [43, 207, 103, 2066, 2, 103, 55, 783, 134, 1146, 10],
 [540,
 682,
 35,
 206,
 1147,
 2067,
 783,
 101,
 1148,
 244,
 88,
 2068,
 4,
 98,
 142,
 131,
 32,
 134,
 35,
 2069,
 1149],
 [83, 2, 2070, 1150, 152, 408, 411, 2071, 2072, 5],
 [176, 94, 609, 610],

[406, 2, 588, 137, 2073],
 [481, 33, 11],
 [1151, 17, 22, 172, 14, 2074],
 [2, 275, 50, 38, 1152, 19, 2075, 2076, 784, 2077, 648],
 [179, 1153, 1154, 2, 430, 2078, 17, 153, 412, 785, 98],
 [42, 2079, 2080, 384, 134, 11, 2, 220, 258, 1155, 12],
 [1156, 217, 2081, 545, 2082, 1157],
 [314, 749],
 [59, 14, 786, 413, 2083],
 [10, 787, 9, 95, 17, 12],
 [788, 34, 461, 2084, 212, 587],
 [1000, 270, 251, 329, 440, 1158, 33],
 [47, 2, 274, 84, 150, 2085, 789],
 [2086, 486, 385, 209, 50, 123, 2087, 2088, 606],
 [4, 6],
 [307],
 [38, 101, 536, 8, 30, 2, 87],
 [319, 514, 249, 2089, 611, 251, 15, 329, 249, 474],
 [88, 138, 201, 414],
 [766, 790, 251, 415, 2, 423],
 [2090, 86, 141, 169, 2, 402, 2091, 2092, 2093, 612, 2094, 2095],
 [2096, 2097, 67, 10, 112, 26, 66],
 [44, 427, 153, 78, 55, 437, 1159, 190, 791, 2, 2098, 33],
 [1160, 5, 21, 408],
 [2099, 2100, 2101, 482, 7, 475, 792],
 [59, 751, 25],
 [416, 457, 139, 2, 1161, 38, 241, 2102, 129, 457, 1162, 2, 241, 238],
 [4, 2103],
 [134, 326, 417, 2, 2104, 2105, 1049, 418, 2106, 326, 14, 2, 226, 22],
 [146, 278, 6, 306, 100, 231, 290],
 [207, 139, 405, 27, 305, 1163, 2107, 2108, 2109, 2110],
 [2111, 2112, 916],
 [246, 310, 158, 1164, 1165, 47, 2113],
 [181, 6],
 [276, 11, 2114, 1166, 741, 487, 100, 335, 793, 435, 344],
 [116, 31, 1167],
 [31, 2115, 2116, 164, 148],
 [488, 488, 7, 2, 1168, 1169],
 [1170, 42, 2117, 120, 2118, 489, 210, 3, 2119],
 [51, 8, 25, 85, 71, 72, 47, 194, 97, 117, 1171, 2],
 [246, 95, 49, 30],
 [36, 25, 23, 26],
 [558, 28, 446],
 [63, 5, 161],
 [794, 10, 613, 2120],
 [490, 795, 2121, 2122, 464, 150, 2123],
 [14, 2, 294, 226],

[796, 466, 462],
 [787, 95],
 [185, 130, 144, 183, 2124],
 [147, 78, 16, 6, 797, 130, 2125, 32, 99, 2126, 798, 2127],
 [9, 794, 148, 25],
 [67, 24, 158],
 [2, 236, 71],
 [18, 62, 8, 90, 2128, 2129, 7],
 [20, 32, 799, 189],
 [107, 107, 2130],
 [225, 333, 53, 99, 800, 533, 2, 248, 146],
 [5, 2131, 2132, 801, 2133, 802, 183, 176, 679, 345, 215, 2134, 2135, 2136],
 [252, 2137, 7, 803, 16, 2, 293, 2138, 167],
 [2139],
 [2, 20, 86, 1172, 2140, 28],
 [2141, 17, 614, 34, 1173],
 [2142, 7, 250, 199, 85, 475],
 [2143, 2144, 165],
 [182, 464, 2145, 1127],
 [78, 21, 41, 211, 440, 6, 29],
 [804, 402, 2146, 291, 908, 60],
 [89, 246],
 [29, 36, 1174, 13],
 [181, 54, 788, 1175, 130, 21, 805],
 [5, 548, 74, 226, 51],
 [5, 78, 37, 110, 1176, 2147, 2148, 240, 2149, 2150, 806, 1177],
 [168, 1174, 807, 202],
 [229, 2151, 521, 31, 2152, 1178, 479],
 [85, 386, 109, 664, 1179, 287, 1180, 169],
 [2153, 139, 52, 615, 11, 610, 1181, 612, 586, 1182, 391, 28],
 [12, 2, 3],
 [26, 129, 8, 330],
 [3, 255, 20, 32, 2154, 2155, 45, 200],
 [136, 11, 10, 69],
 [29, 41, 2156, 1183, 1184, 234, 27, 2157, 443],
 [127, 427, 172, 14],
 [121, 2158],
 [23, 50, 5, 352, 2159, 912, 726, 291, 1185],
 [148, 6],
 [43, 295, 79],
 [149, 91, 33, 784],
 [2160, 256, 261],
 [214, 2161, 1186, 227, 1018, 808, 1187, 1188, 10],
 [36, 84],
 [15, 160],
 [34, 81, 47, 103, 55, 321, 2162, 614],
 [99, 533, 6, 112, 130, 23, 183, 59, 809, 1178, 2163],

[810, 508, 59, 25, 2164],
 [232, 1035],
 [429, 96, 52],
 [730, 3, 40, 10, 2165, 66, 366, 38, 2166],
 [2, 52, 710],
 [2167, 33, 262, 736],
 [37, 7],
 [2168, 212, 16, 4],
 [146, 145, 25, 2169, 1189, 1190, 811],
 [3, 14, 459, 653, 786],
 [72, 2, 96, 2, 2170, 147, 31, 2, 48, 108, 111, 284, 514],
 [20, 22, 790, 616, 613],
 [9, 150, 2171, 812, 468, 387, 6, 483, 258, 351, 2172, 1191, 308, 797, 327],
 [555, 20, 107, 2173, 50, 15, 15, 13, 98, 411],
 [1192, 2, 2174, 2175],
 [136, 686, 5, 789],
 [10, 363, 2176, 1183, 15, 363],
 [813, 296, 2177, 315, 162, 114, 2178],
 [6, 21, 157, 57, 1193],
 [328, 55, 166, 186],
 [381, 1194, 91, 669, 443],
 [44, 2, 37, 16, 41, 603, 9, 1195, 2, 949],
 [655, 60, 18, 33, 1196, 2179, 2180],
 [48, 1197, 11, 2181, 608, 928],
 [373, 2, 331],
 [29, 41, 1198, 2182, 425],
 [15, 145, 113, 326, 93, 86, 171, 2183, 476, 65, 2184],
 [94, 93, 2185, 31, 2186, 1199, 407],
 [176, 2187, 98, 2188, 465],
 [814, 3, 227, 491, 245, 32, 45],
 [171, 94, 2189, 12, 30, 76, 14, 294, 226],
 [774, 1200, 54, 2, 2190, 2, 69, 492, 417, 126],
 [47, 13, 617, 2191, 2192, 210, 2193, 245],
 [18, 89, 618, 5, 2194, 2195, 5, 17, 412, 202, 196, 270, 619],
 [107, 1001, 802, 172, 127, 9, 172, 18, 329, 12],
 [112, 26, 66, 8, 43, 145],
 [305, 64, 244, 2196, 2197, 620, 2198, 2199, 104, 2200, 75, 620, 191],
 [5, 1201, 69, 2201, 22, 39, 45, 605],
 [54, 22, 196, 2202, 245, 1202, 219, 2203, 27, 930, 245, 1202, 6],
 [2204, 2205, 815, 11, 795, 530, 731, 556, 2206],
 [2, 2207, 176, 20, 2208, 167, 2209, 48, 813, 383],
 [164],
 [70, 493, 2, 25, 674, 401, 83, 88, 35, 2210, 202, 389, 2211, 397],
 [2212, 2213, 2214, 1100, 2215, 2216, 110],
 [4, 54, 65],
 [170],
 [6, 2217, 316],

[2218, 2219, 621, 253, 2220, 816],
 [252, 2, 3],
 [65, 531, 261, 234, 239, 306, 39, 2221, 2222, 2223],
 [323, 994, 614, 1008, 11, 226, 2224, 797, 66],
 [722, 2, 20, 15, 3, 58, 402],
 [2225, 2226, 37, 110, 167],
 [16, 11, 773, 16, 2227],
 [135, 395, 753, 1186, 2228, 2229, 2230, 403, 19, 817, 1076, 418, 2231],
 [11, 346, 477, 2232, 60, 213, 362],
 [708, 2233, 2234, 432, 259, 21, 2235, 113, 131, 1203],
 [50, 241, 576, 1204],
 [21, 362, 558, 116, 10],
 [2236, 2237, 1205, 7, 2, 1115, 2238, 2239],
 [82, 60, 2240, 39, 571, 818, 344, 404],
 [273, 273, 273],
 [2241, 17, 2242, 1206, 142, 113, 131],
 [4, 8, 270, 471, 2243, 208],
 [273, 124, 2, 421, 38, 220, 8, 41, 306],
 [2244, 10, 52, 32, 1207, 103, 2245, 24, 111],
 [2, 622, 954],
 [83, 1208, 354, 521, 19, 422, 2246, 1209, 38, 334, 41, 68, 456, 163],
 [414, 13, 163],
 [88, 138, 160],
 [51, 8, 76, 56, 318, 412, 819],
 [609, 2247],
 [303, 2, 48, 1210, 2248, 2, 266, 652],
 [1211, 667, 2249, 285],
 [78, 120, 566, 2250, 2251, 222, 51, 8, 178, 315],
 [12, 165, 328, 55, 207, 435, 2252, 2253, 52],
 [223, 163],
 [419, 2254, 3, 584, 144, 26],
 [820, 36, 21, 53, 26],
 [2, 333, 489, 70, 154, 47, 118, 458, 19, 19, 2255],
 [364, 128, 41, 289, 2256, 2257, 17, 86],
 [229, 27, 57, 1157],
 [2, 241, 2258],
 [157, 34, 2259, 491, 43, 164, 148],
 [691, 160],
 [162, 177, 357, 216, 821, 437, 6],
 [136, 2, 79, 30, 12, 2260],
 [3, 6],
 [822, 1212, 48, 2261, 2262, 125, 339],
 [272, 494, 421],
 [108, 60],
 [1179, 128, 2, 376, 27, 2263, 13, 12, 290],
 [15, 61, 2264, 153, 45, 42, 1213, 181],
 [173, 2265, 163, 130, 17, 74, 2266, 96, 2267, 2268],

[58, 181, 24, 57],
 [178, 365, 572, 1214, 16, 113],
 [28, 45, 134, 2269, 2270],
 [18, 149, 44],
 [2, 2271, 512, 397, 221, 146, 30, 4, 14, 292, 12, 2272],
 [108],
 [2273, 461, 6, 27, 507, 359, 737, 64],
 [1087, 2274, 511, 5, 493, 411],
 [368, 419, 233, 140, 2275, 57, 233, 150, 8, 27, 2276, 2277, 823],
 [316, 1189, 33, 214, 2278, 2279, 135, 791, 2280, 370],
 [415, 71],
 [342, 824, 1215, 2281, 342, 394, 25, 647],
 [607, 2282, 2283, 360, 2284, 144, 401, 623],
 [274, 13, 825, 45, 10, 2285, 826],
 [342, 254, 725, 827, 11, 2286, 1170],
 [47, 115, 286, 609, 1216],
 [2287, 12, 2, 67, 1143, 65, 337, 175],
 [297, 66, 593, 2288, 1217, 1218, 379, 9, 2289, 5, 29, 133],
 [1219, 347, 2, 116, 3, 52],
 [155,
 2,
 105,
 143,
 319,
 28,
 2290,
 1210,
 2291,
 1220,
 828,
 492,
 249,
 132,
 1220,
 23],
 [2292, 2293, 5, 2294, 2295, 559, 206],
 [325, 1109, 1221, 2296, 367, 2297],
 [2298, 2299, 2, 2300, 446, 2301],
 [59, 72, 25],
 [2302, 2303, 249],
 [2, 1222, 346, 188, 53, 2304, 132, 53, 21, 2305, 343, 1223, 40],
 [16, 278, 6, 315, 274, 162],
 [470, 38, 345, 485, 21, 26, 92],
 [2306, 1224, 829, 547, 624, 11, 38, 830, 2307, 2308, 820, 1225],
 [225, 2309, 225, 2310, 569, 2311, 447, 529, 9, 9],
 [37, 2312, 31],
 [242, 616, 49],

[418, 2313, 22],
 [155, 2, 42, 27, 152, 624, 74, 1118, 305, 1226, 1227, 137, 174],
 [3, 1228, 78, 32, 6, 2314],
 [378, 124, 622, 2, 599, 974],
 [102, 768, 2315],
 [1229,
 2316,
 2317,
 2318,
 1080,
 1112,
 2319,
 980,
 2320,
 246,
 2321,
 1230,
 1142,
 542,
 1231,
 282,
 210,
 32,
 286],
 [124, 560, 470, 38, 352, 26],
 [55, 128, 2322, 831, 7],
 [37, 1232, 336, 1233, 6, 2323],
 [442, 2324, 1234, 401],
 [832, 2325, 2326],
 [687, 92, 8, 10, 356],
 [833, 2327, 483, 126, 28],
 [17, 103, 579, 2, 295, 1235],
 [240],
 [151, 221, 2328, 67, 194, 1236, 3, 12, 13, 12, 2, 385, 13, 12],
 [834,
 74,
 625,
 626,
 69,
 42,
 2329,
 2330,
 2331,
 2332,
 2333,
 368,
 1114,

2334,
 2335,
 106,
 2336,
 2337],
 [2, 25, 5, 657, 2338, 2339],
 [48, 3, 12, 145, 134, 2340, 2341, 298, 1116, 76, 765, 338],
 [121, 369],
 [1167, 147, 2342, 149],
 [1052, 242, 49, 2343, 2344, 127],
 [2345, 2346, 3, 5, 15, 32, 1236],
 [4, 6],
 [2347, 2348, 2349, 186, 2350, 77, 35],
 [627, 2351, 1237],
 [7, 33, 257, 2352, 703, 2353, 2354],
 [35, 286, 91, 156, 541, 5, 23, 56, 97, 940, 78, 122, 32],
 [54, 1139, 70, 1238, 17, 483, 126, 1228, 628],
 [105, 2355],
 [221, 1239, 314, 10, 429],
 [420],
 [2356, 16],
 [21, 337, 279],
 [2357, 106, 73, 2358, 48, 7, 2, 372, 565, 2359, 1240],
 [4, 228, 658, 2360],
 [1241, 7, 2361, 96, 2362, 39, 433, 5, 2363, 11, 2364, 2365],
 [20, 6, 399, 54, 76, 2366, 2367, 399, 210],
 [100, 23, 397, 12],
 [2368, 82],
 [224, 105, 16, 299],
 [439, 2369, 2370, 2371, 37],
 [288, 264, 94, 495, 69, 4, 126, 254, 778, 2372],
 [119, 611, 1169, 22, 1242, 2373],
 [32, 2374, 2375, 832, 174, 99],
 [2376, 1208],
 [2377, 156, 290, 13, 57],
 [416, 11, 2378, 38, 194, 39, 2379, 8, 343, 2380],
 [457, 2381, 71],
 [22, 2382, 2383, 2384, 2385],
 [28, 6, 1243, 17, 69, 218],
 [2386, 2387, 2, 201, 2388, 2389, 1244, 138],
 [62, 92],
 [122, 110],
 [3, 44, 3, 528],
 [89, 32],
 [15, 114, 2390, 366, 72, 41],
 [40, 144, 397, 2391, 2392],
 [5, 2393, 329, 835, 204],

[14, 2394, 22],
 [295, 414],
 [42, 54, 134, 3, 244],
 [37, 256, 7],
 [496, 39, 2395],
 [199, 375, 760],
 [28, 218, 717, 2396],
 [111, 300, 53, 186, 195, 33, 2397, 319, 17, 6, 82],
 [19, 39, 223, 1245, 6, 17, 1243, 2398, 629, 1246],
 [18, 32, 311],
 [416, 4, 2, 1247],
 [70, 448, 222, 6, 154],
 [159, 1066],
 [96, 44, 62, 92],
 [18, 2399, 2400, 102, 74, 2401, 2402],
 [22, 31, 93],
 [286,
 1248,
 1249,
 1250,
 94,
 3,
 1005,
 2403,
 126,
 469,
 203,
 28,
 50,
 1250,
 2404,
 2405,
 2406,
 2407,
 836,
 630,
 127,
 2408,
 2409],
 [520, 2, 240],
 [1251, 77, 5, 2, 181, 1065, 35, 156, 417, 1048],
 [97, 51, 2410, 7, 631, 56, 37, 110],
 [204, 332, 17, 1206, 2411, 2412, 925, 549, 2413, 2414],
 [837, 2415, 1252, 2416, 26, 798, 632],
 [20, 510, 838, 496, 723, 306, 39, 416, 457, 464, 295, 2417, 358, 3],
 [2418, 633, 419, 834, 7],
 [28, 135, 15, 58, 3, 30],

[14, 20, 745],
 [2, 452],
 [40, 125, 839, 2, 2419, 18, 11, 2420, 840],
 [187, 20, 137, 2421],
 [12, 2, 3, 14, 2, 3, 65, 3],
 [2422,
 122,
 89,
 32,
 2423,
 409,
 5,
 841,
 2424,
 1231,
 9,
 2,
 2425,
 2426,
 167,
 150,
 1241,
 92],
 [396, 2, 842, 45, 390],
 [138, 489, 515, 63, 397],
 [1121, 413, 266, 2427],
 [634, 2428, 92, 2429, 114],
 [1037, 2430, 2431, 59, 97, 672, 2432],
 [62, 8],
 [13,
 168,
 356,
 1253,
 73,
 702,
 2433,
 545,
 1016,
 30,
 1254,
 151,
 41,
 7,
 244,
 1155,
 379],
 [38, 269, 300, 2434, 200],

[57, 12, 2, 71],
 [266, 25, 231, 2435, 1255],
 [726, 635, 146, 216, 843, 72],
 [89, 11, 80, 596],
 [2436,
 2437,
 17,
 480,
 118,
 88,
 2438,
 2439,
 17,
 1256,
 9,
 2440,
 35,
 133,
 5,
 727,
 46],
 [38, 21, 636, 55, 844],
 [450, 68, 2441, 7, 47, 1257, 1104, 720, 22, 7, 27, 118, 46],
 [257, 842],
 [22, 147, 556],
 [11, 1258, 93, 359, 361, 422, 87, 2442],
 [1259, 2443, 24, 724, 109, 1260],
 [18, 2444, 845, 18, 175, 407, 2445],
 [37, 14],
 [242, 1261, 99, 103, 34, 81, 103, 552],
 [520, 134, 11, 304, 371, 2446, 2447, 2448, 1184, 1247],
 [90, 7, 532, 1262, 16, 2449],
 [2450, 60, 1263, 589, 627, 628],
 [224, 177, 4, 222, 185, 33],
 [26],
 [75, 34, 16, 4, 6],
 [13, 72],
 [2, 719, 116, 35, 334],
 [22, 162, 133, 556, 271],
 [2451,
 2452,
 2453,
 98,
 334,
 2454,
 370,
 129,

7,
 2455,
 1264,
 183,
 206,
 1265,
 2456,
 215,
 206,
 806],
 [320, 415, 497, 85, 19, 220],
 [43, 15, 79, 162, 122, 16],
 [18, 62, 8],
 [229, 101, 637, 471, 2457, 426],
 [62],
 [20, 85, 26, 307, 109, 2458, 37, 14],
 [136, 18, 56, 24, 101, 1266, 10, 39, 2459, 711, 2460, 199],
 [69, 846, 106, 114, 1267, 2461, 114, 687, 46, 997, 1268, 662],
 [6, 16, 4],
 [27, 2462, 86],
 [2463, 6, 217, 2464],
 [5, 20, 1176],
 [1269, 2465, 827, 230],
 [7,
 392,
 68,
 2466,
 1270,
 2467,
 2468,
 93,
 721,
 295,
 2469,
 57,
 413,
 57,
 2470,
 2471,
 2472],
 [1271, 416, 1272, 3, 2473, 975, 2474, 1064],
 [100, 57, 55, 3, 40, 10],
 [54, 24, 139, 132],
 [20, 75, 82],
 [20, 68, 649, 50, 2475, 981, 581, 839, 2476],
 [279, 283, 2477, 2478, 2, 680],
 [252, 223, 1273, 2479, 2480, 387, 1273, 367, 6, 210, 1274],

[23, 10, 847],
 [348, 72, 2, 1166, 56, 19, 23, 2481, 221, 141, 8],
 [17, 218, 91],
 [43, 47, 2482, 6],
 [2483, 56, 4],
 [518, 2484, 848, 365, 16, 6],
 [532],
 [24, 112, 26, 221, 2485, 145],
 [4, 10, 2486, 117, 415, 410],
 [43, 15, 207, 2487, 2, 2488, 22, 838, 758, 970, 1053, 748, 2489],
 [164, 151],
 [4, 12, 65, 418, 30, 598, 39],
 [24, 67, 61, 284, 2490, 614, 227, 2491, 440, 4, 65],
 [735, 95, 12, 364, 645, 2492, 4, 519, 47, 1110, 109, 158],
 [1275, 118, 228, 581],
 [43, 150, 324, 2493, 554, 5, 914, 2494, 2495],
 [338, 190, 2496, 2497, 47, 349, 849, 26],
 [41, 615, 175],
 [272, 265, 498, 17, 129, 2498, 2499, 386, 238, 11, 342, 638, 489],
 [276, 26],
 [850, 95, 24, 142, 850, 95],
 [1276,
 843,
 2500,
 2501,
 2502,
 1277,
 2503,
 2504,
 2505,
 2506,
 851,
 2507,
 2508,
 2509],
 [345],
 [186, 587, 58, 277, 151, 2510, 433, 524, 7, 23],
 [398, 2511, 2512, 1278, 145, 236, 2513, 595, 80],
 [189, 190, 103, 8, 852, 108, 2514, 2515, 30, 49, 1279],
 [4, 1214],
 [847, 2, 634, 2516],
 [36, 2517, 35, 3, 1046, 398, 680, 82],
 [2518, 853, 2519, 9, 53, 853, 714, 141, 53, 2520, 2521, 976, 216, 782],
 [3, 301, 16, 113, 854, 1280, 848, 262, 317, 606],
 [139],
 [855, 681],
 [444, 1007, 20, 490, 565, 499, 389, 17, 6],

[21, 236, 107, 211, 2522, 6, 82],
 [254, 639, 2, 22, 4],
 [87, 709],
 [120, 11, 2523, 636, 1281, 2524],
 [22, 10, 23, 339, 1282, 443],
 [3, 7, 1283, 4, 2525, 28],
 [2526, 82],
 [13, 131, 205, 2527, 2528, 572, 972, 306, 8],
 [764, 19, 2529],
 [252, 1284, 186, 89, 1285, 99, 213, 482, 218, 6, 1286, 2530],
 [102, 646],
 [135, 15, 11, 5],
 [133, 5, 67, 61],
 [856, 60],
 [2531, 2532, 1232, 78, 2533],
 [6, 2, 2534, 2, 75],
 [12, 2, 713, 65, 531],
 [60, 2535, 205, 228, 9, 60],
 [20, 1287, 55, 120, 2536, 2537, 921, 516, 217, 1288, 54],
 [391, 4],
 [39, 431],
 [265, 10, 4, 809, 331, 1289, 2538, 221],
 [155, 4, 110, 2539, 402, 2540, 169],
 [107, 2541, 8],
 [1290, 39, 148],
 [63, 13],
 [12, 71],
 [728, 5, 213, 1291, 1192, 292, 386, 8, 78, 71, 110],
 [394, 2, 58, 580, 1292, 2542, 2543, 1293],
 [1128, 342, 590, 119, 857, 8, 794],
 [160, 289, 2544, 1294, 168, 21, 436, 384, 68, 62, 547, 8],
 [34, 1295, 19],
 [143, 1296, 955, 103, 70, 2545, 2546],
 [338, 948, 44, 1297, 16, 19],
 [1298, 248, 500, 2547, 101, 309, 1298, 355, 18, 527, 2548, 168, 50],
 [140, 24, 783, 715, 840, 757, 24, 201, 317, 2549],
 [117, 75, 45, 403],
 [2550, 202, 94, 495, 1259],
 [83, 348, 176, 38, 323, 789, 2551, 299, 1294, 2552],
 [2553, 2554, 2555, 2, 1299, 283, 2556, 1292, 2557, 215, 2558],
 [10, 158, 1102, 24, 25, 345, 384, 746],
 [453, 96, 172, 14, 21, 337],
 [534, 393, 243, 115, 322],
 [27, 408, 2559],
 [4, 6],
 [102, 66, 2560],
 [28, 10, 495, 234, 91, 596, 1075, 1237, 2561, 261],

[11, 2562, 542, 134, 11, 146],
 [33, 44, 2563, 858, 2564, 69, 418, 2565, 2566, 2567, 16, 4],
 [156,
 5,
 1300,
 27,
 1011,
 57,
 704,
 462,
 453,
 93,
 195,
 32,
 780,
 1286,
 1301,
 282,
 2568,
 195,
 32,
 780,
 40],
 [37, 2569, 1199, 31],
 [12, 2, 266, 1074, 209, 859, 378, 155, 352, 109],
 [73, 56, 627, 589, 407],
 [1193, 182, 10],
 [466, 261, 548, 1302, 580],
 [3, 44, 240, 301],
 [6, 1287, 375, 860, 200],
 [303, 2, 277, 83, 409, 361, 16, 1172, 40],
 [36, 89, 2570, 237, 55, 86, 501, 8, 1132, 91],
 [67, 2571],
 [144, 1303, 845, 2572, 502, 38, 21, 810],
 [375, 17, 2573, 34, 2574, 2575, 268, 651, 945, 411, 8],
 [51, 5, 29, 349, 46],
 [2576, 46, 1095, 157, 477, 270],
 [2, 1156, 1304, 51, 2577, 2578, 359, 482, 569],
 [834, 610, 2579],
 [329, 264, 776],
 [1305, 147, 31],
 [219, 804, 287, 86, 40, 388, 60],
 [633, 53, 7, 263, 327, 179],
 [453, 82, 2580],
 [1306, 20, 16, 19, 2581, 97, 592, 2582, 63],
 [1030, 21, 21, 154, 2, 2583],
 [7, 17, 922, 218],

```

[252, 16],
[4],
[34, 192, 19, 1307, 358, 85, 6, 46, 861],
[114, 2584, 192, 298],
[346, 2585, 815, 11, 2586, 2587],
[4, 1308, 346, 3, 112, 66, 1308, 2588, 817],
[2589, 1305, 1309, 31, 1310],
[63, 2, 166, 208],
[2590, 2591, 76, 637, 428, 2592, 112],
[16, 3],
[130, 1099, 150, 931, 2593, 2594, 19, 55, 135, 30, 37, 135, 6],
[36, 23, 26, 10, 36, 25, 369, 10, 123],
[64, 46, 287, 1311, 313, 6],
[28, 1312, 29, 36, 133, 5, 862],
[22, 77, 5, 2, 2595, 310, 156, 308, 291, 386, 638],
[2596, 262, 162, 78, 16],
[620, 4, 110, 38, 20, 32, 770, 717, 2597, 2598, 217, 478, 461],
[36, 290, 2599],
[597, 2600, 209],
[35, 2601, 27, 3, 364, 336, 13, 364],
[20, 164, 65],
[43, 164],
[12, 3],
[179, 615, 2602, 390, 21, 3, 221, 10, 15, 495, 234, 208],
[45, 4, 636],
[102],
[56, 2, 3, 2603],
[13, 186, 102, 350, 479],
[175, 3],
[1077, 2604, 168, 2605, 382, 11, 1039, 1313, 2606, 2607, 1296, 46, 104],
[297, 2608, 1314, 1315, 414, 70, 434],
[28, 40],
[20, 391, 217, 663, 59, 391, 29, 25],
[473, 1316, 2609, 24, 2610, 938, 1256, 30, 967],
[784, 503, 1317, 2611, 2612],
[43, 298],
[84, 6, 238, 174, 197, 43, 216, 2613],
[10, 2614, 2615, 145, 618, 29, 673, 156, 814, 633, 46, 472],
...]

```

```

[104]: # Train
sequences_train = tokenizer.texts_to_sequences(X_train)
padded_train = train_padded #pad_sequences(sequences_train, maxlen=max_length,
    ↪padding=padding_type, truncating=trunc_type)

# Test
sequences_test = tokenizer.texts_to_sequences(X_test)

```



```

padded_test = test_padded #pad_sequences(sequences_test, maxlen=max_length,
↳padding=padding_type, truncating=trunc_type)

# Display the Padded Sequence
np.set_printoptions(threshold=sys.maxsize)
padded_train[1]

```

```

[104]: array([ 15, 156, 170,  0,  0,  0,  0,  0,  0,  0,  0,  0,  0,
              0,  0,  0,  0,  0,  0,  0,  0,  0,  0,  0,  0,
              0,  0,  0,  0,  0,  0,  0,  0,  0,  0,  0,  0,  0,
              0,  0,  0,  0,  0,  0,  0,  0,  0,  0,  0,  0,  0,
              0,  0,  0,  0,  0,  0,  0,  0,  0,  0,  0,  0,  0,
              0,  0,  0,  0,  0,  0,  0], dtype=int32)

```

```

[105]: # Convert padded data to numpy array to be used in model.
training_padded = np.array(padded_train)
training_label = np.array(y_train)
test_padded = np.array(padded_test)
test_label = np.array(y_test)

```

```

[106]: # Export padded train/test data
pd.DataFrame(X_train).to_csv('./Output/X_training_df.csv')
pd.DataFrame(X_test).to_csv('./Output/X_testing_df.csv')
pd.DataFrame(y_train).to_csv('./Output/y_training_df.csv')
pd.DataFrame(y_test).to_csv('./Output/y_testing_df.csv')
pd.DataFrame(X_validation).to_csv('./Output/X_validation_df.csv')
pd.DataFrame(y_validation).to_csv('./Output/y_validation_df.csv')

```

```

[107]: # B4 - Sentiment Analysis

activation = 'sigmoid' #'softmax'
loss = 'binary_crossentropy' #'categorical_crossentropy'
optimizer = 'adam' #rmsprop

num_epochs = 20

# Define early_stopping_monitor
early_stopping_monitor=EarlyStopping(patience=2)

model = tf.keras.Sequential([
    tf.keras.layers.Embedding(vocab_size, embedding_dim,
↳input_length=max_length),
    tf.keras.layers.Dropout(.2, input_shape=(2,)),
    tf.keras.layers.GlobalAveragePooling1D(),
    tf.keras.layers.Dense(100, activation='relu'),
    tf.keras.layers.Dense(50, activation='relu'),
    tf.keras.layers.Dense(1, activation=activation)

```

```

])

model.compile(loss=loss, optimizer=optimzer, metrics=['accuracy'])

model.summary()

```

Model: "sequential_1"

Layer (type)	Output Shape	Param #
embedding_1 (Embedding)	(None, 72, 32)	115264
dropout_1 (Dropout)	(None, 72, 32)	0
global_average_pooling1d_1 (GlobalAveragePooling1D)	(None, 32)	0
dense_3 (Dense)	(None, 100)	3300
dense_4 (Dense)	(None, 50)	5050
dense_5 (Dense)	(None, 1)	51

Total params: 123,665
 Trainable params: 123,665
 Non-trainable params: 0

```

[108]: history = model.fit(training_padded, training_label, batch_size=32,
    ↪ epochs=num_epochs, validation_split = 0.3,
    ↪ callbacks=[early_stopping_monitor], verbose=True)

```

```

Epoch 1/20
39/39 [=====] - 0s 4ms/step - loss: 0.6937 - accuracy:
0.4829 - val_loss: 0.6929 - val_accuracy: 0.5095
Epoch 2/20
39/39 [=====] - 0s 2ms/step - loss: 0.6930 - accuracy:
0.5341 - val_loss: 0.6928 - val_accuracy: 0.5152
Epoch 3/20
39/39 [=====] - 0s 2ms/step - loss: 0.6919 - accuracy:
0.5293 - val_loss: 0.6914 - val_accuracy: 0.5114
Epoch 4/20
39/39 [=====] - 0s 2ms/step - loss: 0.6865 - accuracy:
0.6049 - val_loss: 0.6858 - val_accuracy: 0.5852
Epoch 5/20
39/39 [=====] - 0s 2ms/step - loss: 0.6558 - accuracy:
0.7659 - val_loss: 0.6497 - val_accuracy: 0.7765

```

```

Epoch 6/20
39/39 [=====] - 0s 2ms/step - loss: 0.5394 - accuracy:
0.8837 - val_loss: 0.5765 - val_accuracy: 0.7008
Epoch 7/20
39/39 [=====] - 0s 2ms/step - loss: 0.3639 - accuracy:
0.9089 - val_loss: 0.4895 - val_accuracy: 0.7841
Epoch 8/20
39/39 [=====] - 0s 2ms/step - loss: 0.2313 - accuracy:
0.9382 - val_loss: 0.4681 - val_accuracy: 0.7841
Epoch 9/20
39/39 [=====] - 0s 2ms/step - loss: 0.1619 - accuracy:
0.9455 - val_loss: 0.4839 - val_accuracy: 0.8068
Epoch 10/20
39/39 [=====] - 0s 2ms/step - loss: 0.1368 - accuracy:
0.9537 - val_loss: 0.4809 - val_accuracy: 0.7898

```

```

[109]: # Verify Model Accuracy on Test Data
score = model.evaluate(test_padded, test_label, verbose=0)
print(f'Test Loss: {score[0]} / Test Accuracy: {score[1]}')

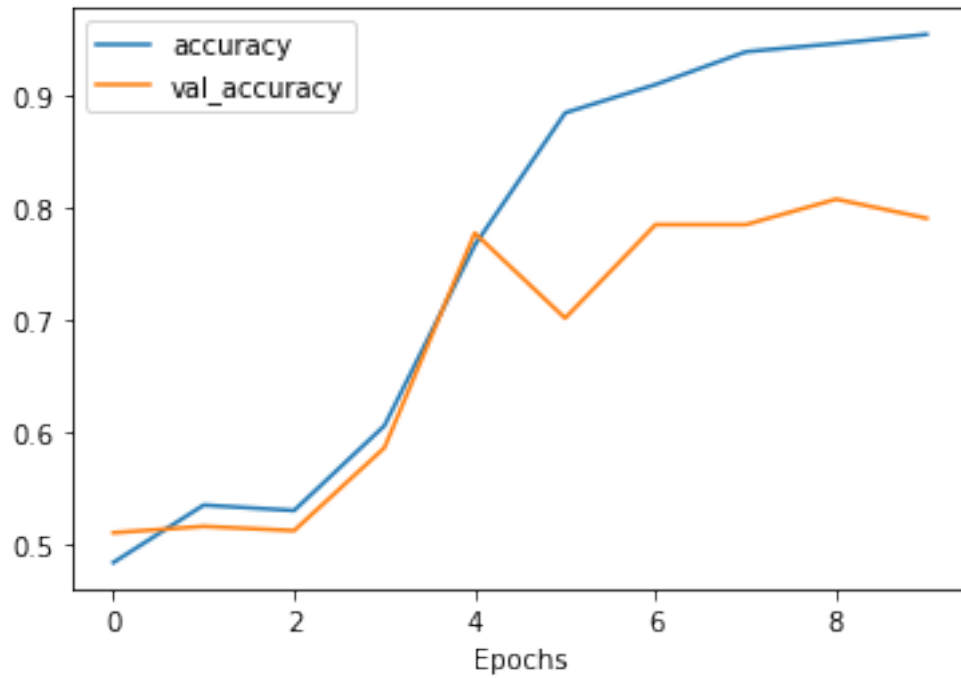
```

Test Loss: 0.5053887367248535 / Test Accuracy: 0.7654545307159424

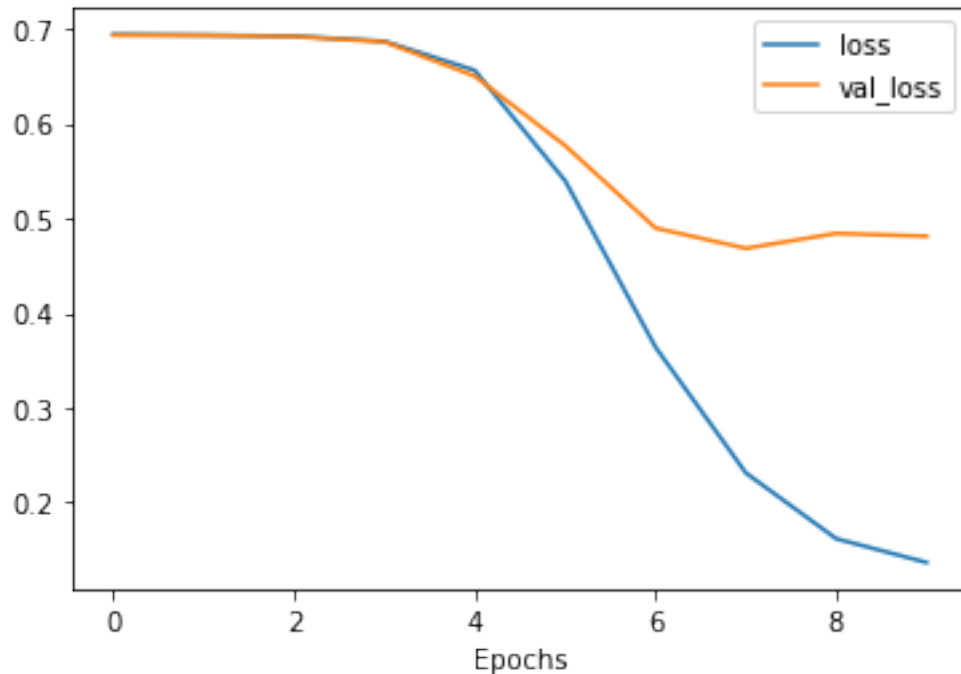
```

[110]: plt.plot(history.history['accuracy'], label='accuracy')
plt.plot(history.history['val_accuracy'], label='val_accuracy')
plt.xlabel('Epochs')
plt.legend()
plt.savefig('./Output/AccuracyPlot.png')
plt.show()

```



```
[111]: plt.plot(history.history['loss'], label='loss')
plt.plot(history.history['val_loss'], label='val_loss')
plt.xlabel('Epochs')
plt.legend()
plt.savefig('./Output/LossPlot.png')
plt.show()
```



```
[112]: def predict_sentiment(review):
        tw = tokenizer.texts_to_sequences([review])
        tw = pad_sequences(tw, maxlen=72)
        prediction = int(model.predict(tw).round().item())
        if prediction == 0:
            return "Negative"
        elif prediction == 1:
            return "Positive"
        else:
            return "Houston, we have a problem"
        print("Prediction Label: ", sentiment_label[1][prediction])
```

```
[113]: test_sentence_one = "I enjoyed my journey with this class, I hope to leverage_
        ↪NLP skills at work soon!"
        print("Sentence One Prediction: ", predict_sentiment(test_sentence_one))
        test_sentence_two = "I hated this class, I'll never use NLP and hope to never_
        ↪take touch this subject again!"
        print("Sentence Two Prediction: ", predict_sentiment(test_sentence_two))
```

Sentence One Prediction: Positive
Sentence Two Prediction: Negative

```
[114]: # Save the Model
        model.save('./Output/JWillis_D213_PA2_SentimentAnalysisModel.h5')
```

0.1 End