Importing dependencies

```
import numpy as np
import pandas as pd
import seaborn as sns
import matplotlib.pyplot as plt
import plotly.express as px
import nltk
from sklearn.feature_extraction.text import CountVectorizer
from wordcloud import WordCloud, STOPWORDS
from nltk.stem import WordNetLemmatizer
from nltk.tokenize import word tokenize
import re,string,unicodedata
from sklearn.metrics import classification_report,confusion_matrix,accuracy_score,f1_score
from sklearn.model_selection import train_test_split
from string import punctuation
from nltk import pos tag
from nltk.corpus import wordnet
import re
import warnings
warnings.filterwarnings('ignore')
import matplotlib.pyplot as plt
```

Loading the data

```
df=pd.read_csv('/content/drive/MyDrive/Sentiment Analysis/Data/IMDB-Dataset.csv', encoding='latin-1')
```

Data Cleaning and Preprocessing

```
#Customize stopword as per data
nltk.download('stopwords')
stop_words = stopwords.words('english')
new_stopwords = ["would","shall","could","might"]
stop_words.extend(new_stopwords)
stop words.remove("not")
stop_words=set(stop_words)
print(stop_words)
    {'under', 'my', 'an', "that'll", 'been', "didn't", 'aren', 'the', "hasn't", 'most', "haven't", 'yourself', 'herself', 'didn', 'wasn
    [nltk_data] Downloading package stopwords to /root/nltk_data...
    [nltk_data] Unzipping corpora/stopwords.zip.
#Removing special character
def remove_special_character(content):
    return re.sub('\W+',' ', content )#re.sub('\[[^&@#!]]*\]', '', content)
# Removing URL's
def remove_url(content):
    return re.sub(r'http\S+', '', content)
#Removing the stopwords from text
def remove stopwords(content):
    clean_data = []
    for i in content.split():
        if i.strip().lower() not in stop_words and i.strip().lower().isalpha():
            clean_data.append(i.strip().lower())
    return " ".join(clean_data)
# Expansion of english contractions
def contraction expansion(content):
    content = re.sub(r"won\'t", "would not", content)
    content = re.sub(r"can\'t", "can not", content)
    content = re.sub(r"don\'t", "do not", content)
    content = re.sub(r"shouldn\'t", "should not", content)
```

```
content = re.sub(r"needn\'t", "need not", content)
    content = re.sub(r"hasn\'t", "has not", content)
content = re.sub(r"haven\'t", "have not", content)
content = re.sub(r"weren\'t", "were not", content)
     content = re.sub(r"mightn\'t", "might not", content)
     content = re.sub(r"didn\'t", "did not", content)
     content = re.sub(r"n\'t", " not", content)
     '''content = re.sub(r"\'re", " are", content)
    content = re.sub(r"\'s", " is", content)
content = re.sub(r"\'d", " would", content)
    content = re.sub(r"\'11", " will", content)
    content = re.sub(r"\'t", " not", content)
    content = re.sub(r"\'ve", " have", content)
content = re.sub(r"\'m", " am", content)'''
     return content
#Data preprocessing
def data_cleaning(content):
     content = contraction expansion(content)
     content = remove_special_character(content)
     content = remove_url(content)
     content = remove_stopwords(content)
     return content
#Applying data cleaning
pd.options.display.max_colwidth = 1000
#Data cleaning
df['Reviews_clean']=df['Reviews'].apply(data_cleaning)
df.head(5)
```

## Feature Engineering.ipynb - Colaboratory

não devem ser sérios, mas vamos lá, é o cinema 101 que se alguém f... many cameos sorry ass excuses films taking away jobs actors writers directors truly deserv...

I am writing this in hopes that this gets put over the previous review of this "film". How anvone can find this slop entertaining is completely beyond me. First of all a spoof film entitled "Disaster Movie", should indeed be a spoof on disaster films. Now I have seen 1 (yes count them, 1) disaster film being spoofed, that being "Twister". How does Juno, Iron Man, Batman, The Hulk, Alvin and the Chipmunks, Amy Winehouse, or Hancock register as Disaster films? Selzterwater and Failburg once again have shown that they lack any sort of writing skill and humor. Having unfortunately been tortured with Date Movie and Epic Movie I know exactly what to expect from these two...no plot, no jokes just bad references and cheaply remade scenes from other films. Someone should have informed them that satire is more than just copy and paste from one film to another, though I shouldn't say that because some of these actually just seem to be taken from trailers. There is nothing clever or witty or re...

u1010 III U10...

Estou escrevendo isso na esperança de que isso seja colocado sobre a revisão anterior deste "filme". Como alguém pode achar divertido esse desleixo estÃ; completamente além de mim. Antes de mais nada, um filme de parÃ3dia intitulado "Filme de desastre" deveria ser, de fato, uma parÃ3dia de filmes de desastre. Agora eu jÃ; vi 1 (sim, conte-os, 1) filme de desastre sendo falsificado. sendo "Twister". Como Juno, Homem de Ferro, Batman, O Hulk, Alvin e os Esquilos, Amy Winehouse ou Hancock se registram como filmes de Desastre? Selzterwater e Failburg mostraram mais uma vez que não possuem nenhum tipo de habilidade e humor de escrita. Infelizmente, tendo sido torturado com Date Movie e Epic Movie, sei exatamente o que esperar desses dois ... nenhum enredo, nenhuma piada, apenas más referÃancias e cenas refeitas de outros filmes. Alguém deveria ter informado a eles que a sátira é mais do que apenas copiar e colar de um filme para outro. embora eu não deva dizer

writing hopes gets put previous review film anyone find slop entertaining completely beyond first spoof film entitled disaster movie indeed spoof disaster films seen yes count disaster film spoofed twister iuno iron man batman hulk alvin chipmunks amy winehouse hancock register disaster films selzterwater failburg shown lack sort writing skill humor unfortunately tortured date movie epic movie know exactly expect two plot jokes bad references cheaply remade scenes films someone informed satire copy paste one film another though not say actually seem taken trailers nothing clever witty remotely smart way two write not believe people still pay see travesties insult audience though enjoy films doubt smart enough realize rating unfortunately not number low enough yes includes negatives rate deserves top worst films time right date movie epic faliure mean movie meet spartans rather forced hour manos hands fate marathon watch slop

Really, I could write a scathing

Feature Engineering

```
points I've deduced.There's iust
```

Disaster

Movie

turd sandwich instead

```
#Mapping rating data to Binary label 1 (+ve) if rating >=7 and 0 (-ve) if rating <=4 and 2 (neutral) if rating tabel'] = df['Ratings'].apply(lambda x: '1' if x >= 7 else ('0' if x<=4 else '2'))
#Removing
df=df[df.Label<'2']
data=df[['Reviews_clean','Label']]
print(data['Label'].value_counts())</pre>
```

isso porque algu...

Realmente, eu poderia escrever uma crÃtica

contundente sobre esse

0 60000 1 60000

Name: Label, dtype: int64

for a hovcott of these pieces of FILIVIES. FUR FAVUR, EU pulpascent appoving little

```
#Importing dependencies for feature engineering import sys import os from sklearn.feature_extraction.text import CountVectorizer from sklearn.feature_extraction.text import TfidfVectorizer from sklearn.model_selection import train_test_split from sklearn.linear_model import LogisticRegression from sklearn.ensemble import RandomForestClassifier import pandas as pd from prettytable import PrettyTable from nltk import word_tokenize from nltk.stem import WordNetLemmatizer
```

## Lemmatization

```
# lemmatization of word
class LemmaTokenizer(object):
   def __init__(self):
```

```
self.wordnetlemma = WordNetLemmatizer()
def __call__(self, reviews):
    return [self.wordnetlemma.lemmatize(word) for word in word_tokenize(reviews)]
```

Vectoization with Count Vectorizer and TDIDF Vectorizer with Unigram

```
import nltk
nltk.download('punkt')
nltk.download('wordnet')
train_test=train_test_split(data,test_size=.3,random_state=42, shuffle=True)
countvect = CountVectorizer(analyzer = "word", tokenizer = LemmaTokenizer(), ngram_range=(1,1), min_df=10,1
tfidfvect = TfidfVectorizer(analyzer = "word", tokenizer = LemmaTokenizer(), ngram range=(1,1),min df=10,ma
x train count = countvect.fit transform(train['Reviews clean']).toarray()
x test count = countvect.transform(test['Reviews clean']).toarray()
x_train_tfidf = tfidfvect.fit_transform(train['Reviews_clean']).toarray()
x_test_tfidf = tfidfvect.transform(test['Reviews_clean']).toarray()
y_train = train['Label']
y_test = test['Label']
    [nltk_data] Downloading package punkt to /root/nltk_data...
              Package punkt is already up-to-date!
    [nltk data]
    [nltk_data] Downloading package wordnet to /root/nltk_data...
```

Feature Importance with Logistic Regression and Count Vectorizer with unigram

```
lgr = LogisticRegression()
lgr.fit(x_train_count,y_train)
lgr.score(x_test_count,y_test)
lgr.coef_[0]
i=0
importantfeature = PrettyTable(["Feature", "Score"])
for feature, importance in zip(countvect.get_feature_names_out(), lgr.coef_[0]):
    if i<=200:
        importantfeature.add_row([feature, importance])
        i = i + 1
print(importantfeature)</pre>
```

```
Feature
                       Score
              0.09948021729583935
   ahle
absolutely
               0.04928181139341904
                -0.15698758988629533
 acting
                -0.16554860358454662
                0.2686694865338257
 action
                -0.12933328612077247
 actor
 actress
                -0.1489168697925077
 actually
               -0.052070130929095626
  add
                0.027070353095046004
  adult
                0.05954646965772197
                0.09771190095691933
   age
                -0.0721752881106565
  alien
  almost
               -0.013852048588960835
 along
                0.12262111059815697
 already
                -0.20171237379314463
                0.09685115820655628
  also
                0.19629354744205255
 although
 always
                 0.2018578524201237
 amazing
                 0.8421518297897805
 american
                0.05490888090162389
 annoying
                -0.7415920897196361
                -0.15261540989210784
 another
 anyone
               -0.018801393011886016
 anything
                -0.29270079300578816
                0.039398139882690836
 anyway
 around
                -0.09786505565645186
               -0.002824546854484584
  art
                -0.6738581933334602
attempt
attention
                 0.3022833083553928
 audience
               -0.009222501642938315
 average
                -0.27552710116327334
  away
                 0.0662190754650192
  awful
                 -1.1933746190676038
                -0.017925197253893986
                0.022902845995928983
   back
                 -0.34492919739614175
   bad
                0.09379241960512272
  based
```

```
beautiful
                 0.4260586136785764
                0.09103497829707141
  become
                -0.1130423217825764
 becomes
                -0.05036128319201348
 begin
                 0.169964075188926
beginning
 behind
               -0.039263205837075384
 believe
                -0.0005587913653516917
   best
                0.41066001589332657
  better
                -0.05624599552071519
                -0.01987374992124096
  big
                0.19924970223693375
                -0.023156394685004994
  black
                -0.06723193016262485
                -0.03681562140985229
  body
                -0.044476933676119594
  book
  boring
                 -1.0915821995627517
                0.013725984800562233
boy
```

Feature Importance with TFIDF vectorizer and Logistic Regression with Unigram

```
lgr = LogisticRegression()
lgr.fit(x_train_tfidf,y_train)
lgr.score(x_test_tfidf,y_test)
lgr.coef_[0]
i=0
importantfeature = PrettyTable(["Feature", "Score"])
for feature, importance in zip(tfidfvect.get_feature_names_out(), lgr.coef_[0]):
    if i<=100:
        importantfeature.add_row([feature, importance])
        i = i+1
print(importantfeature)</pre>
```

```
Feature
                      Score
  able
            0.39700755873095384
absolutely
               0.48054639840990787
  act
               -1.0488078209705092
  acting
               -1.6529223210920863
                2.661498410649932
  action
 actor
               -1.3612120300887194
 actress
               -1.0076219456773845
 actually
               -0.4711678536905498
                0.1548901563324264
  add
  adult
                0.6882768024887284
  age
                0.7577095272499967
  alien
               -0.3362334252148682
  almost
               -0.2930875737610137
  along
                0.7374473907997262
                -1.1274303477568333
 already
   also
                1.2142852251221006
 although
                1.2214036573549865
                1.7060017688032059
 always
                4.793428511865544
 amazing
                0.461586618743471
 american
                -3.8025854084696022
 annoying
 another
                -1.328014670919997
                -0.21234706315571122
 \hbox{anything}
                -2.1229963168743273
                0.13215048299969895
 anyway
                -0.7966348090365658
  around
                 0.3632181231416922
  art
                 -4.047793034178131
 attempt
attention
                 1.6863904729767933
audience
                0.42474496077471147
                -1.0920591134290885
 average
                0.5886410680859387
   awav
  awful
                -6.970830611496972
   b
                -0.06081964613796297
   back
                0.17153588391190128
                 -3.747434546237462
  bad
                0.5968891662547068
  based
                2.766550374408251
beautiful
                0.7464562458889129
 become
                -0.7759953047462301
 becomes
               -0.3778164648278749
 begin
                0.8735361482302675
beginning
 behind
               0.014016943320300752
 believe
               -0.005037036386458905
                 3.792732964739248
  better
                -0.46679086055047947
  big
                -0.06518111858919383
                1.818312976952132
  black
               0.02061498655822086
```

```
blood | -0.28435723025867005
body | -0.24305079174047806
book | 0.14493265537053093
boring | -6.6150764736277985
boy | 0.2518472727011538
```

Feature Importance with Logistic Regression and TFIDF Vectorizer with Bigram

```
lgr.fit(x_train_tfidf,y_train)
lgr.score(x_test_tfidf,y_test)
lgr.coef_[0]
i=0
importantfeature = PrettyTable(["Feature", "Score"])
for feature, importance in zip(tfidfvect.get_feature_names_out(), lgr.coef_[0]):
    if i<=50:
        importantfeature.add_row([feature, importance])
        i = i+1
print(importantfeature)</pre>
```

```
+----
              0.39700755873095384
    able
 absolutely | 0.48054639840990787
              -1.0488078209705092
   act
              -1.6529223210920863
   acting
               2.661498410649932
   action
              -1.3612120300887194
   actor
  actress
              -1.0076219456773845
  actually
              -0.4711678536905498
    add
               0.1548901563324264
   adult
               0.6882768024887284
               0.7577095272499967
    age
   alien
              -0.3362334252148682
   almost
              -0.2930875737610137
               0.7374473907997262
   along
              -1.1274303477568333
  already
    also
               1.2142852251221006
  although
               1.2214036573549865
   always
              1.7060017688032059
  amazing
               4.793428511865544
  american |
              0.461586618743471
              -3.8025854084696022
  annoying
  another
               -1.328014670919997
              -0.21234706315571122
   anyone
               -2.1229963168743273
  anything |
              0.13215048299969895
   anyway
              -0.7966348090365658
   around
    art
              0.3632181231416922
  attempt
               -4.047793034178131
 attention
               1.6863904729767933
  audience
              0.42474496077471147
              -1.0920591134290885
  average
    away
               0.5886410680859387
   awful
               -6.970830611496972
               -0.06081964613796297
     b
    back
              0.17153588391190128
    bad
                -3.747434546237462
   based
              0.5968891662547068
 beautiful
               2.766550374408251
   become
               0.7464562458889129
  becomes
              -0.7759953047462301
              -0.3778164648278749
   begin
 beginning |
              0.8735361482302675
              0.014016943320300752
   behind
  believe
             -0.005037036386458905
    best
               3.792732964739248
   better
              -0.46679086055047947
               -0.06518111858919383
    big
               1.818312976952132
    bit
   black
              0.02061498655822086
   blood
              -0.28435723025867005
            -0.24305079174047806
```

```
pd.options.display.max_colwidth = 1000
df[["Reviews","Ratings","Movies"]][(df['Ratings']>=9)&(df['Reviews_clean'].str.contains("bad review"))].her
```

	Reviews	Ratings	Movies	<u> </u>
120047	While I wouldn't call this the greatest movie ever made, it's not anywhere near as bad as other reviewers have made it out to be. An average rating of 5 or 6 stars would be fair, but 1.5 is harsh and totally undeserved.Ring of Terror feels like an episode of The Twilight Zone stretched to an hour. In fact, it's so much like a TV show that one wonders if it might not have been originally created as a pilot.If you're a fan of 1950s horror/suspense series like Thriller, The Veil, One Step Beyond, Tales of Tomorrow, and Alfred Hitchcock Presents, you'll likely find this a pleasant way to spend an hour, as I did.Normally I would only give this film 6 out of 10 stars, but because others have been panning it so unmercifully, I'm giving it a 9.	9	Ring of Terror	
120211	This movie was a blast for my little guys, they loved every minute of it, I have read all of the bad reviews, and could not disagree more. This movie, is pure and good. There is just enough action to keep the kids interested, and not so much that you leave the theater with them bouncing off the walls either. It is funny with jokes that everyone can appreciate. I think people have gotten used to so much violence and adult content in our kids movies that they are disappointed when it is missing, like the movie wasn't entertaining enough for the parents. Well, NEWS FLASHIt's a kids movie, and a perfect one at that. Kids need these kinds of movies, not Spongebob and the like which are more to entertain the parents.	9	Doogal	
120238	I am a huge horror buff and prefer pieces that delve into the characters psychological issues. This film was awesome on so many levels, the acting and writing were fantastic and creepy and I was afraid or and empathetic with the murderer the whole time. What an interesting study on the line between sick and a danger to others, and the line between being a mean girl and being psychotic. Set in a great location, a house full of creepy art, in the winter in Conneticut and with amazing performances from many of my favorite actresses. It actually shocks me that others have given this such a bad review, I loved this movie, I guess it goes to show you everyone will have a different opinion but I say don't miss this film!	9	#Horror	
120239	No idea why there are so many bad reviews here? I loved it; I thought it was a very advanced thoughtful film. The graphic were #killer. The comparison of video game culture and young girl culture was spot on. This film makes connections that I've never seen on the big screen but, do see in every day life. The casting was spot on, Hello 12 year-old girls are supposed to be a little annoying. I do wish that more directors would take color into more consideration the way this film does. T The highly stylized sets make the murder scenes more believable because everything is so unbelievable. How can you live in 2016 and not "get" a film about social media and accelerationism. #duh Someone explain this to me.	9	#Horror	
120273	What do you get when you cross Love Story with Star Wars with Blade Runner with Back to the Future with MTV? Love Story 2050, that's what. What a fun movie for the entire family. This fantasy of epic proportions is much, much better than AI, a similar sci-fi classic. The thrills are non-stop in this blockbuster, from its lead off car chase to bike racing stunts to the vantage point of a moving roller coaster to speeding hover-craftyou will be on the edge of your seat from beginning to end. The version I saw was only partially in English and I still was glued to the screen. I can't wait to see a version with subtitles. The mega budget special effects are out of this world and highly convincing. The future vision of XBox was hilarious. Those who are complaining about how long this movie is simply don't understand Bollywood. The three hours went by quickly; it seemed to be only an hour. There could have been a better twist with the Darth Vader character. For example, I suspected tha	9	Love Story 2050	
	Being a film watcher that looks for great acting, i surprised myself when i enjoyed this film. Being more a film fan than a martial arts fan i was expecting to be writing a bad review for this flick. No one can deny that van damme is a great martial artist, but his acting is so so the opposite. You have to look at it as a martial arts film (which it is) and accept the stunning fight sequences (especially the final fight scene which was			

Vectorization with Count Vectorizer and TFIDF Vectorizer with Trigram

```
are just the way he can express the great skins to an addiction recommend this min
import nltk
nltk.download('punkt')
nltk.download('wordnet')
train,test=train_test_split(data,test_size=.3,random_state=42, shuffle=True)
countvect = CountVectorizer(analyzer = "word", tokenizer = LemmaTokenizer(), ngram_range=(3,3), min_df=10,
tfidfvect = TfidfVectorizer(analyzer = "word", tokenizer = LemmaTokenizer(), ngram_range=(3,3),min_df=10,materizer(), ngram_range=(3,3),materizer(), n
x_train_count = countvect.fit_transform(train['Reviews_clean']).toarray()
x_test_count = countvect.transform(test['Reviews_clean']).toarray()
x_train_tfidf = tfidfvect.fit_transform(train['Reviews_clean']).toarray()
x_test_tfidf = tfidfvect.transform(test['Reviews_clean']).toarray()
y_train = train['Label']
y_test = test['Label']
             [nltk_data] Downloading package punkt to /root/nltk_data...
             [nltk_data] Package punkt is already up-to-date!
              [nltk_data] Downloading package wordnet to /root/nltk_data...
             [nltk_data] Package wordnet is already up-to-date!
```

Feature Importance with Logistic Regression and Count Vectorizer with Trigram

```
lgr = LogisticRegression()
lgr.fit(x_train_count,y_train)
lgr.score(x_test_count,y_test)
lgr.coef_[0]
i=0
importantfeature = PrettyTable(["Feature", "Score"])
for feature, importance in zip(countvect.get_feature_names_out(), lgr.coef_[0]):
    if i<=200:
        importantfeature.add_row([feature, importance])
        i = i + 1
print(importantfeature)</pre>
```

(=p.: : ::					
4					
Feature	Score				
+					
acting not bad	-0.41582443344090864				
acting not good	-1.0614028411735406				
acting not great	-0.46707395630784376				
acting pretty good	0.9624699253760244				
acting top notch	1.8034277974499235				
action movie not	1.0284974648276257				
action set piece	1.2171146811632634				
action take place	0.04259251365109098				
actor good job	0.596764841910835				
actually pretty good	0.3083612569919975				
actually quite good	-0.16354119748827142				
almost every scene	-0.31966198722624384				
b movie not	-0.04716888748028589				
bad acting bad	-2.3287081585210254				
bad bad bad	-1.7666009469066026				
bad guy not	0.16629388224472788				
bad horror movie	-1.025351468087346				
bad movie not	-0.6539660886638583				
bad not even	-1.6309771354996798				
bad special effect	-0.7680710806837042				
based true story	0.49087040504086865				
best film ever	1.0597205763936839				
best movie ever	1.7335209232441549				
best movie seen	1.8058104341454444				
best movie year	1.4959704711901778				
best part film	-0.004016531359990099				
best part movie	-0.34403424997231924				
best thing film	-0.4869700947142451				
best thing movie	-0.3083868653248926				
billy bob thornton	0.2884307029202007				
blah blah blah	0.007095611048698205				
blair witch project	-0.08529108091698837				
breath fresh air	1.7939117056463305				
budget horror film	0.10992199248210421				
ca not wait	1.400551992472707				
can not believe	-0.6265339467832575				
can not say	-0.0684256438974244   0.3379726050622202				
can not understand	1.9630279451434467				
character one dimensional	1.3001005883590102				
claude van damme	0.42246204356876227				
comic book movie	1.2236084630256583				
complete waste time	-2.134455149165938				
cuba gooding jr	-0.008237196651769706				
cutting room floor	-0.6996884736419002				
definitely worth watch	3.047267493628777				
definitely worth watching	2.602296157932083				
die hard fan	-0.20540327619197413				
done much better	-1.2610545026473492				
effect story comedy	-0.34626285732134815				
eight title brazil	1.9244976057248782				
even come close	-0.3927793208702641				
even though movie	0.09907622167408738				
even though not	0.3986668259650988				
ever made not	0.04364907312319447				

Feature Importance with Logistic Regression and TFIDF Vectorizer with Trigram

```
lgr = LogisticRegression()
lgr.fit(x_train_tfidf,y_train)
lgr.score(x_test_tfidf,y_test)
lgr.coef_[0]
i=0
importantfeature = PrettyTable(["Feature", "Score"])
for feature, importance in zip(countvect.get_feature_names_out(), lgr.coef_[0]):
    if i<=200:</pre>
```

```
importantreature.add_row([teature, importance])
i=i+1
print(importantfeature)
```

last not least 0.5342101052691458 laugh loud funny 1.1992626797244383 laugh loud moment 1.579982771508334 let not forget 0.2806708247087335 let start saying 0.22303161177052175 life never get -1.414401390247894 like first one 0.21391598082108368 like horror movie 0.3416935127070429 like low budget -0.7363102353575469 like movie not 0.4337066177177099 like year old -0.9046879860746775 long long time 0.890723950778871 long time ago -0.4400006101536415 long time since 1.0371833424687407 look like something -1.4612283968567106 looking forward seeing | 0.3420201866127275 low budget b -0.3493683725161391 low budget film -0.05025750828091194 low budget horror 0.16691606375730828 low budget movie -0.3777817886509993 -0.7954959319061509 low budget not made look like -0.8329059692183841 made tv movie -1.1992791868008246 main character not -0.35667938989585646 make bad movie -0.8343606236371462 make feel like 0.49557670809661575 make good movie -0.5957815838327223 make little sense -2.170742317406258 make look like -1.3731999730172837 -1.4266417661074398 make matter worse make movie like -0.053224269636337765 make much sense -0.9564228130327596 make sense not -0.8238547074105317 manos hand fate -1.8363526093917364 many people not 1.6192825842119478 0.09841002968252952 many year ago martial art movie 0.2835682066326356 may may not 0.18103770787015513 0.03571516987396411 minute running time movie bad not -1.9659211720089467 -0.4317660295502344 movie can not movie definitely not 0.11276141296999115 movie even though 0.345095789847708 movie ever made -0.020178030075973068 movie ever seen -0.22637931237367434 movie ever watched -0.3111217065248724 movie feel like -0.6180978288345567 -0.7818066093279746 movie felt like movie first time 0.6565489516266568 movie go see 1.663096145465962 movie last night 0.7952411643836983 movie like not 0.2901139773726702 movie like one 0.10774419034086645 movie long time 1.676402379746924 movie look like -1.1848619442151127 movie low budget 0.14194063408040242 1.3229603233644274 movie may not

√ 9s completed at 8:25 PM

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