Sentiment Analysis on IMDB Movie Reviews

What do people really think about movies?

Not everyone rates movies on these platforms.

Kenneth "El Toro" @KenZaRioja98 · 8h ⌄
Replying to @catturd2
@catturd2 it's the promise of free 💩, while loaded on drugs and telling our #Zombie youth it's ok to be a #Parasite because you are a victim too.

💬   ⟲   ♡   ↑

CRESCENDO @hotsokiem · 8h ⌄
Не думаю что в Америке(да и в любой другой стране, которой чужды принципы и традиции жизни корейцев) смогут верно передать идею фильма

#ParasiteMovie #Parasite

💬   ⟲   ♡   ↑

Show this thread

A___a @Alvieyunnie · 8h ⌄
Parasite didn't disappoint me. #ParasiteMovie #Parasite #Movie

💬   ⟲   ♡   ↑

E___h @EmmeberiecNixon · 8h ⌄
#Parasite @thedukescinema - if you haven't seen it, you should!

💬 1   ⟲   ♡ 1   ↑

mkitrain poland @m___ · 8h ⌄
nasungcityboy : bong should hit me up
#parasite instagram.com/p/B9OS0JPJaBt/...

💬   ⟲   ♡   ↑

Although they do talk about them here.

Recep Ivedik 5 (2017)

⭐ **3.3**/10
12,972

☆ Rate This

1h 54min | Comedy | 16 February 2017 (Turkey)

TURKEY

3:21 | Trailer   1 VIDEO | 56 IMAGES

Recep continues his adventure with international athletic games.

Director: Togan Gökbakar
Writers: Sahan Gökbakar, Togan Gökbakar
Stars: Sahan Gökbakar, Orkan Varan, Deniz Ceylan | See full cast & crew »

Recep Ivedik 5

A boorish and socially inappropriate man takes on the job of driving a sports team to a tournament.

⭐ **8.5**

Second movie on the list:

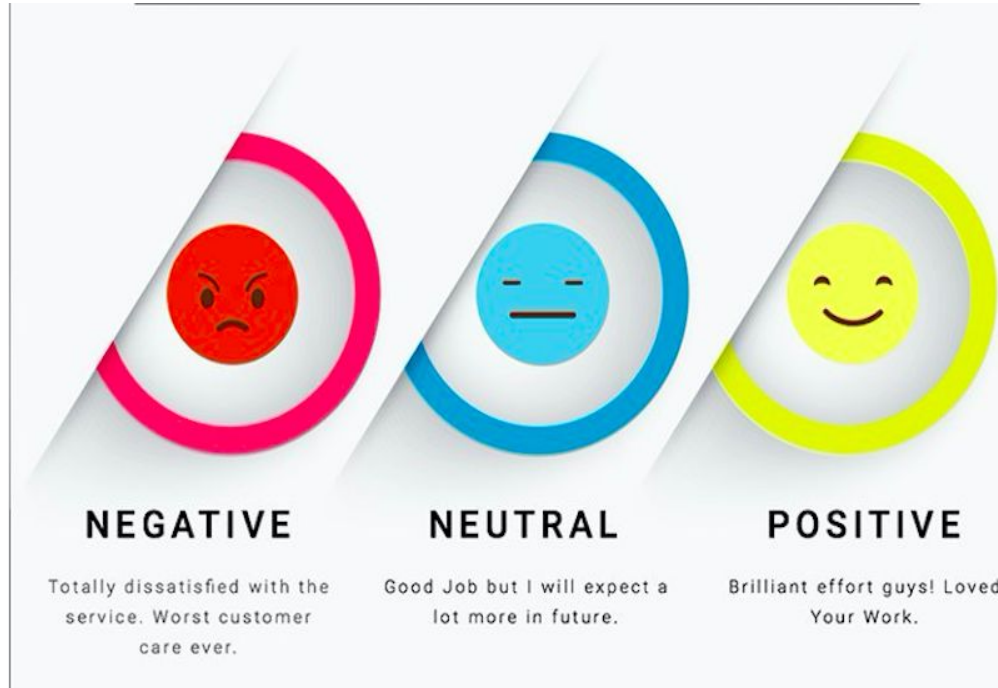Ayla, 8.5 IMDB rating

Ayla vs. Recep Ivedik

Revenue difference:

3 Million GBP

Rank	Movie Name	Release Date	Total Revenue	Total Viewer
1	Recep Ivedik 5	16.02.17	85.986.157	7.437.050
2	Ayla	15.04.17	62.858.615	5.287.656
3	Aile Arasinda	01.12.17	43.404.778	5.289.051
4	Calgi Cengi Ikimiz	06.01.17	32.540.648	2.798.016
5	Hizli ve Ofkeli 8	13.04.17	31.761.048	2.656.286

Viewer difference:

More than 2 Million people

Sentiment analysis refers to the use of natural language processing, text analysis, computational linguistics, and biometrics to systematically identify, extract, quantify, and study affective states and subjective information.

NEGATIVE
Totally dissatisfied with the service. Worst customer care ever.

NEUTRAL
Good Job but I will expect a lot more in future.

POSITIVE
Brilliant effort guys! Loved Your Work.

This is how the machine learns from labeled data.

waiters diary @DiaryWaiters · 2m

#thegentleman is so far the best film in 2020. @realguyritchie made a #Tarantino film, which is simply better in all respects, simply has more class #Cinema
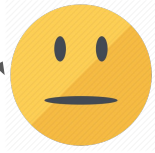
Lisa @LisaOx · 1 Mar

I just walked out of #TheGentleman, and it's definitely a return to form for Guy Ritchie. A bunch of quirky brits do crime and things get messy. It's easily my favorite of his since Snatch.

♡ 4

Lisa @LisaOx · 5 Jan

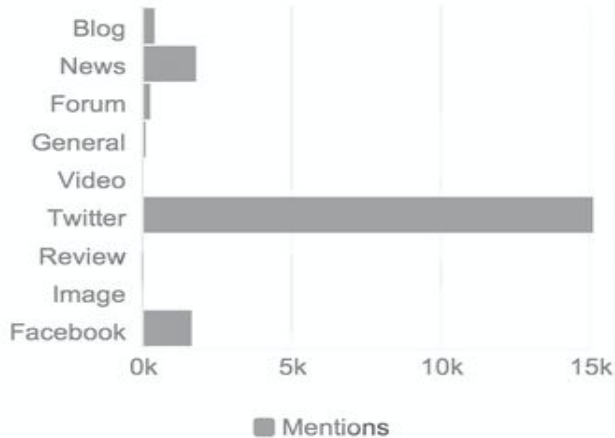Just come home from watching #TheGentleman. Quick bath then ready for the West Ham game! #COYI

♡ 5   ♡ 20

MACHINE LEARNING

You can derive some statistical facts of public opinion about the movie.

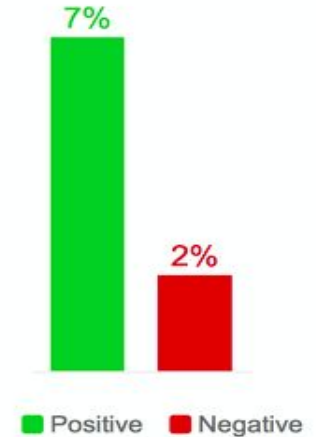**Mentions**
19K

Positive
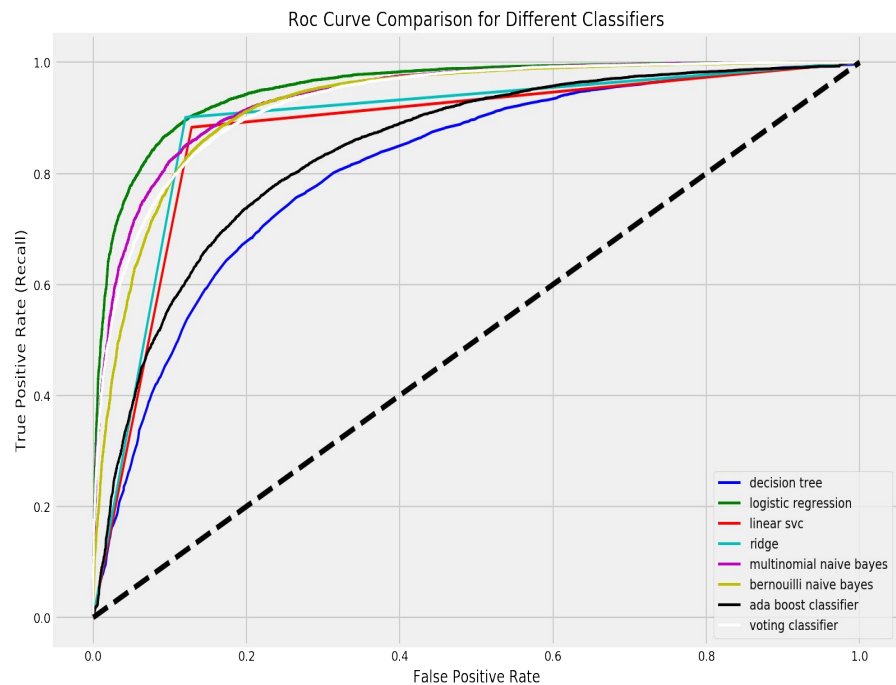**1286**

Negative
450

Where From	⑦

Blog
News
Forum
General
Video
Twitter
Review
Image
Facebook

0k   5k   10k   15k

■ Mentions

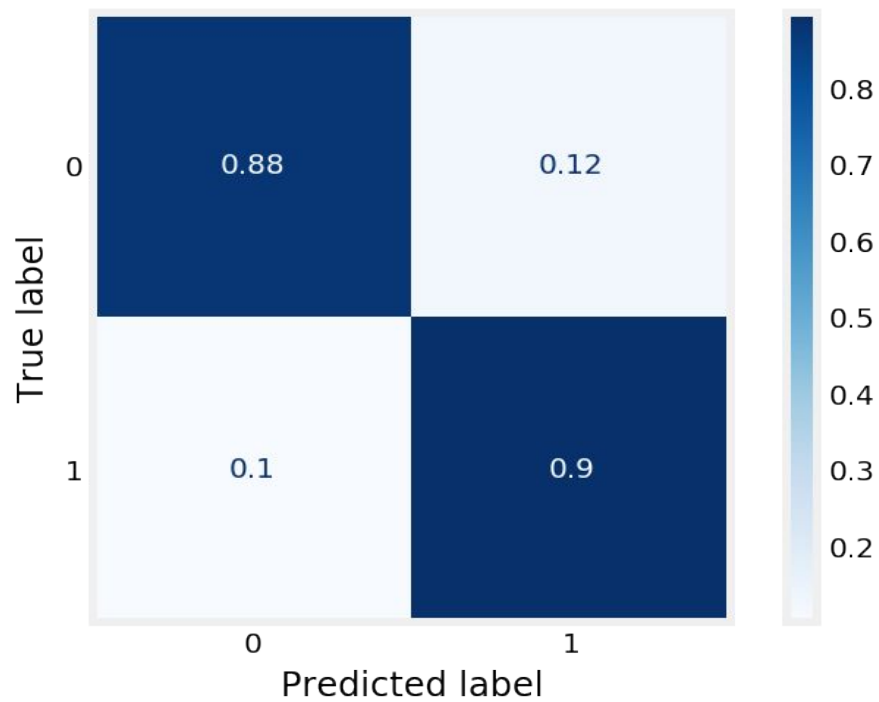| Which Sites		⑦
twitter.com		15076
www.facebook.com		1655
www.hotheadlines.com.au		54
www.entertainmentwise.com		38
www.bbc.co.uk		34
www.couchtuner.eu		30
www.fiso.co.uk		29
metro.co.uk		24
www.tumblr.com		21
www.youtube.com		20
Total for top sites		**16981**

Sentiment	⑦

7%

2%

■ Positive   ■ Negative

Model Comparison
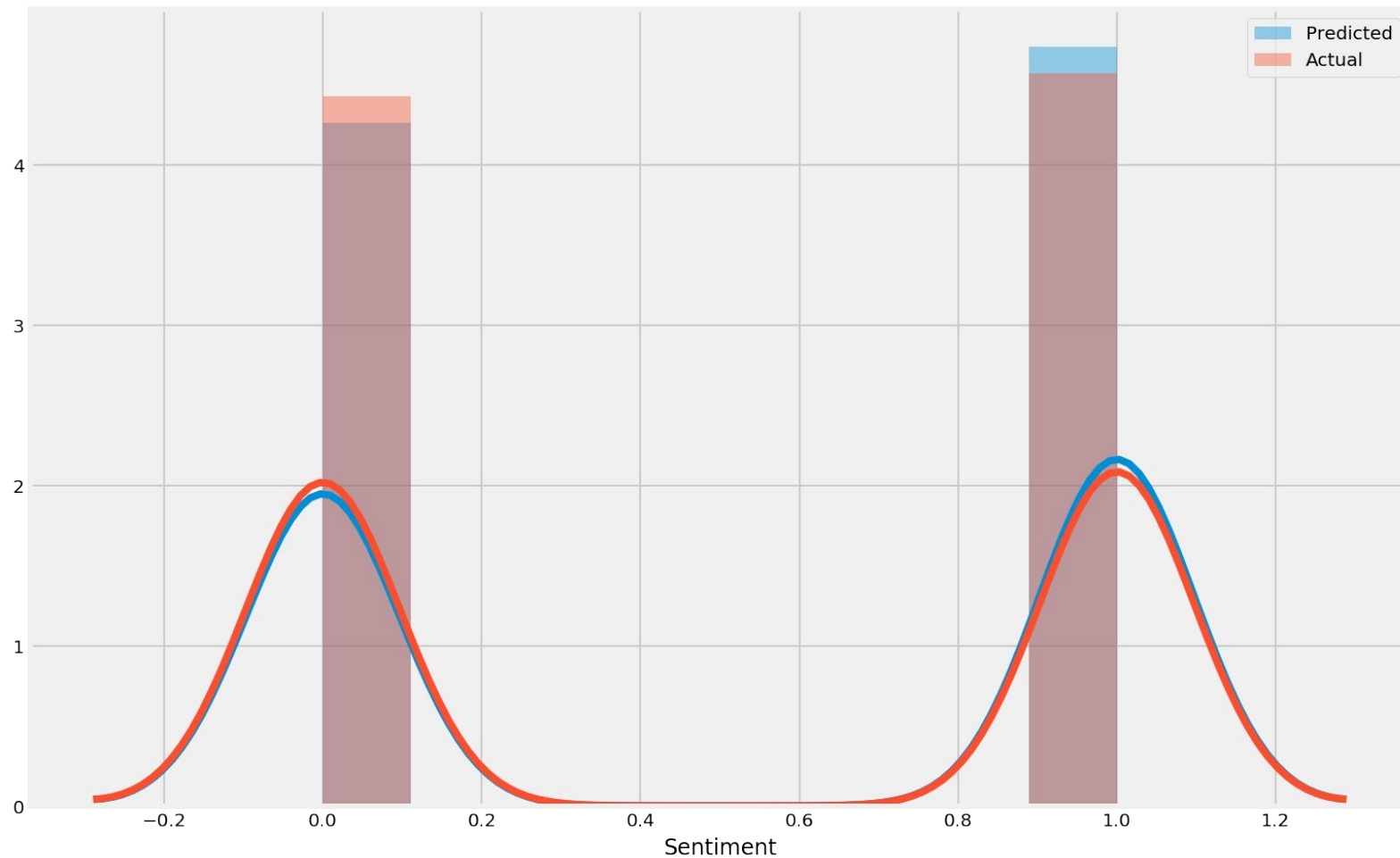

Roc Curve Comparison for Different Classifiers

Final Model Performance

Distribution of Sentiments on IMDB Movie Reviews Test Data

Thank you!

Sezgin Isguzar