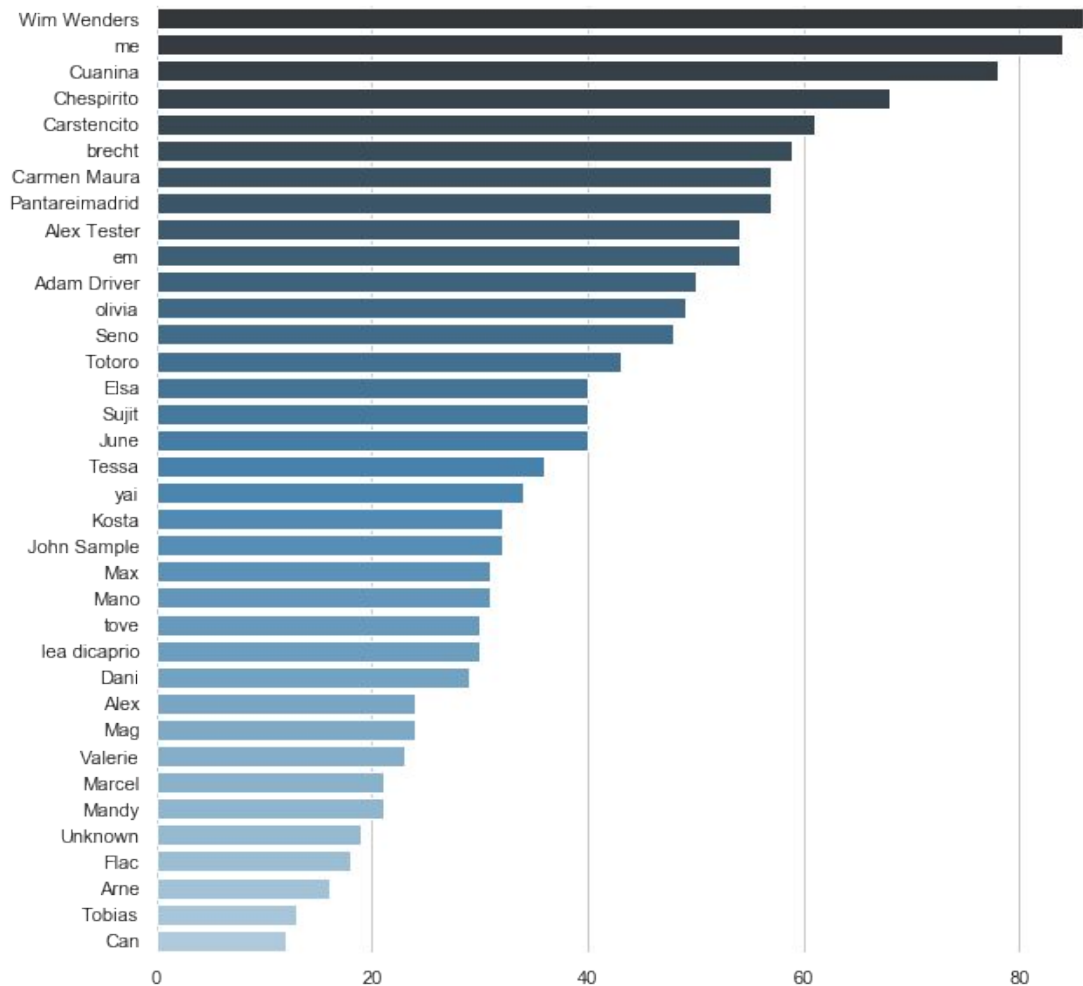# Movie-Matching

How were the movies selected for the survey?

- Popular enough
- Diverse enough (minimise sequel effect)
- Focus in the last 10 years
    - Streaming explosion
    - No nostalgia effect

Survey link: https://forms.gle/KNghKyg24BSTTaBD6
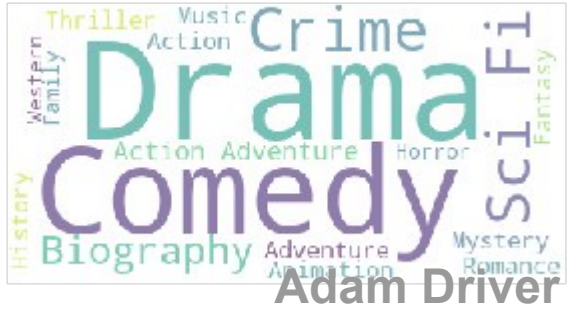
Ranking of moviegoers

Max

Adam Driver

Olivia

Brecht

Can

Arne

Tessa

Valerie

Mandy

2-PCA scatter plot

2-PCA
scatter plot

Only 29% of the variance is described in this scatter plot
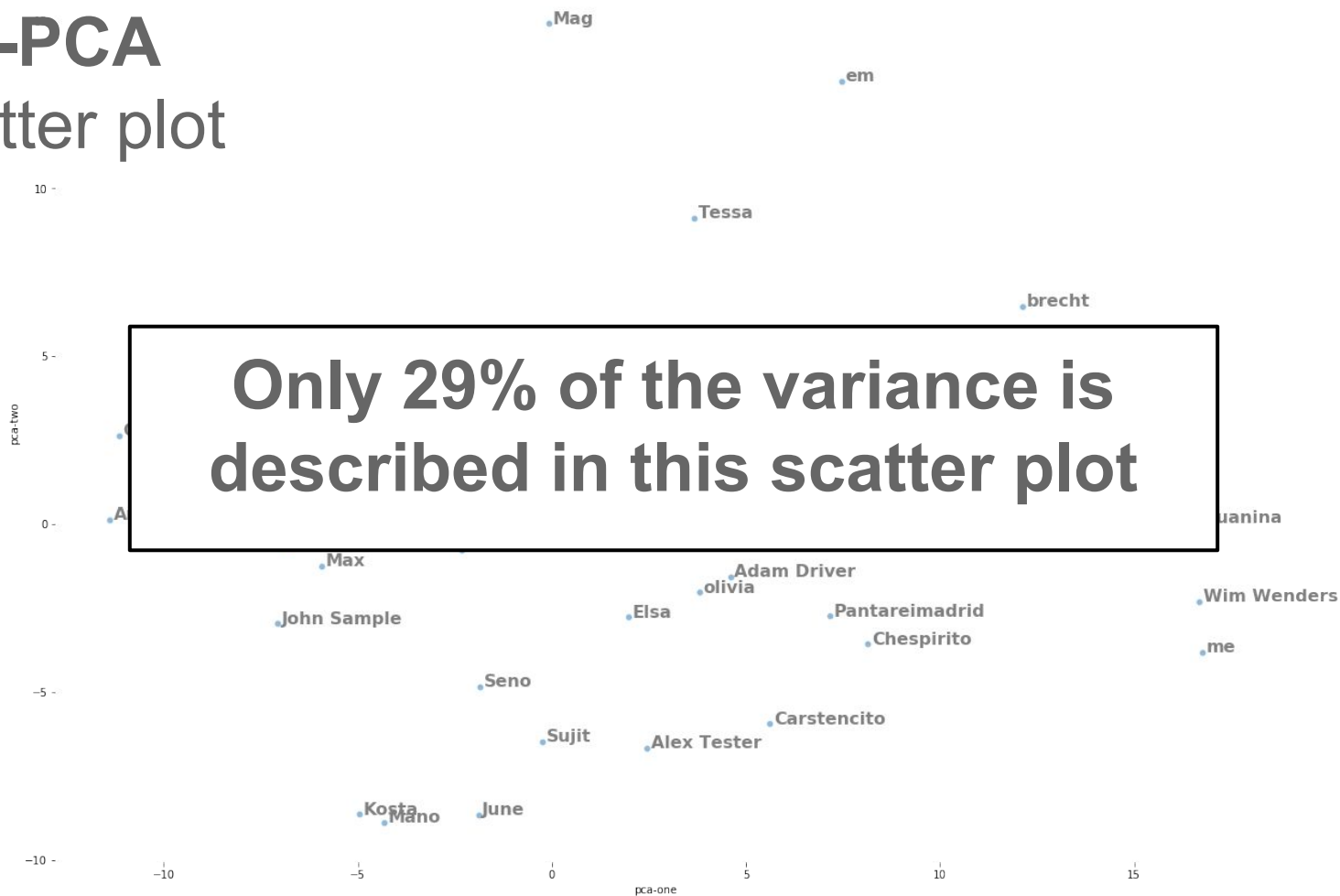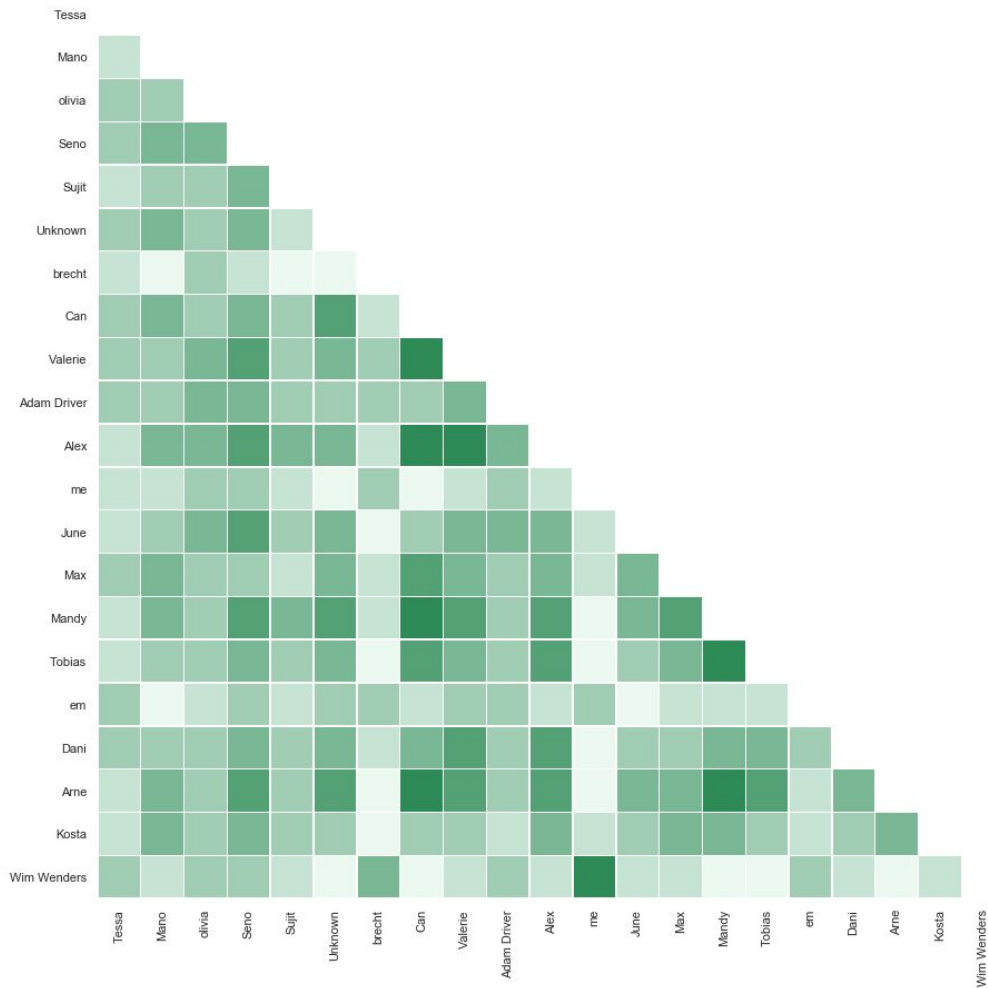
Heatmap
Ironhackers
(euclidian distance)

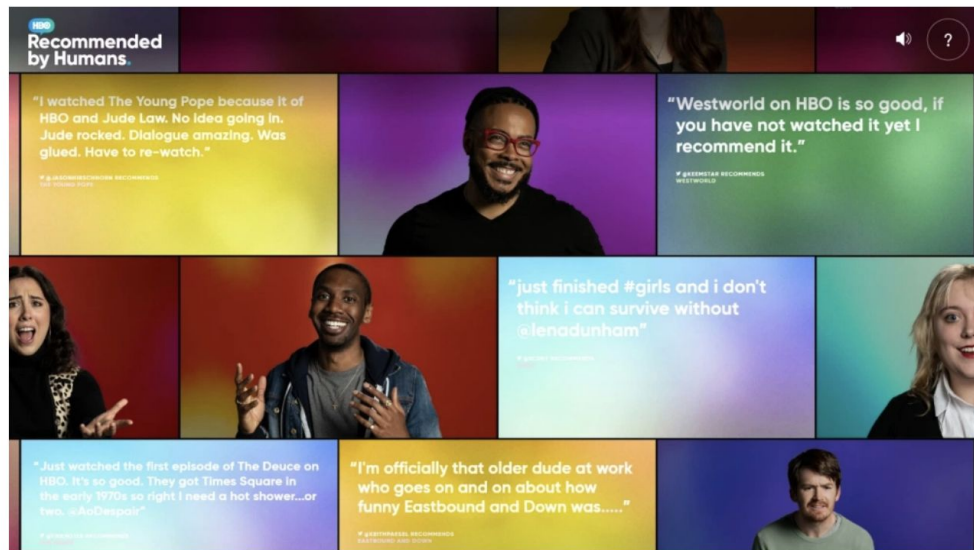Get_companion function in **python**

HBO Launches 'Recommended by Humans' Streaming Site in Dig at Netflix
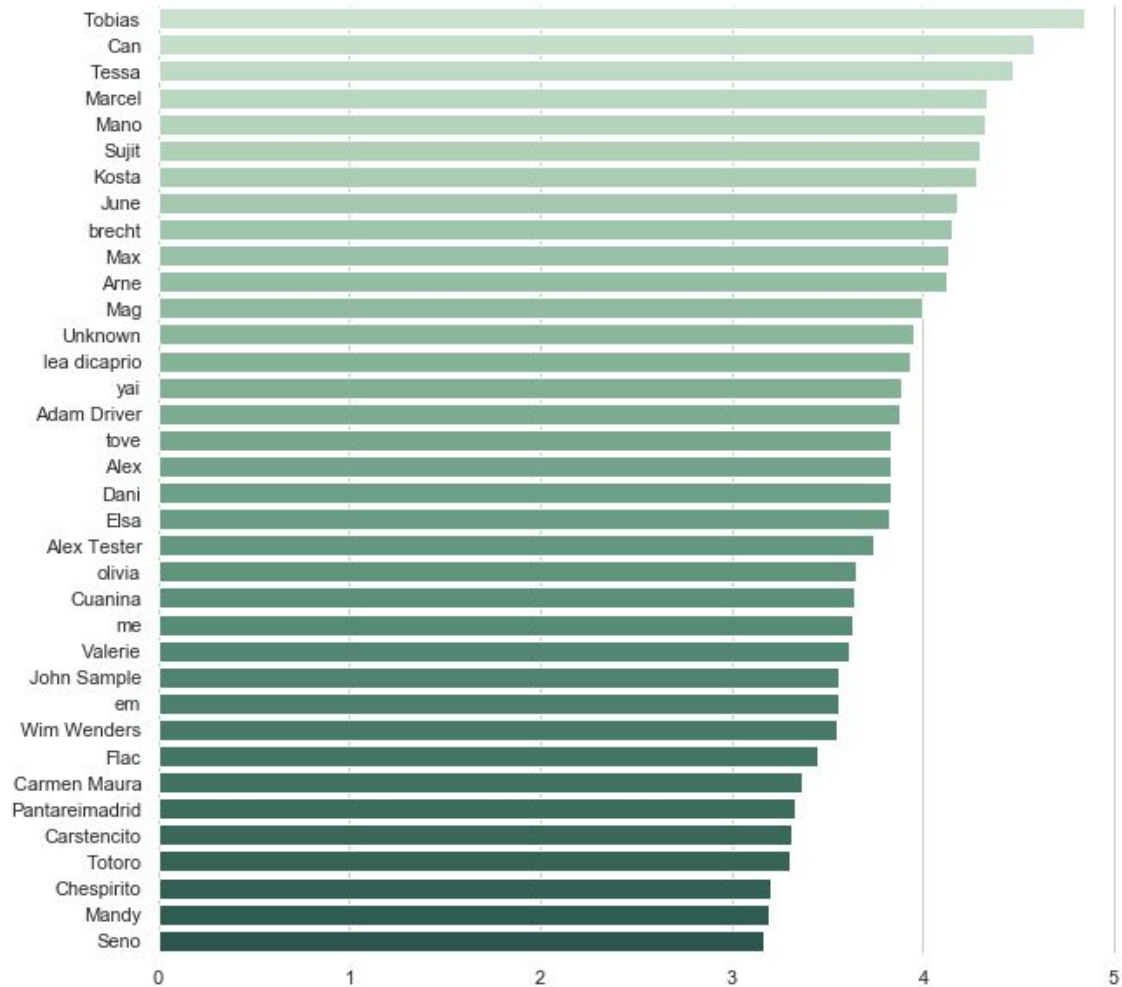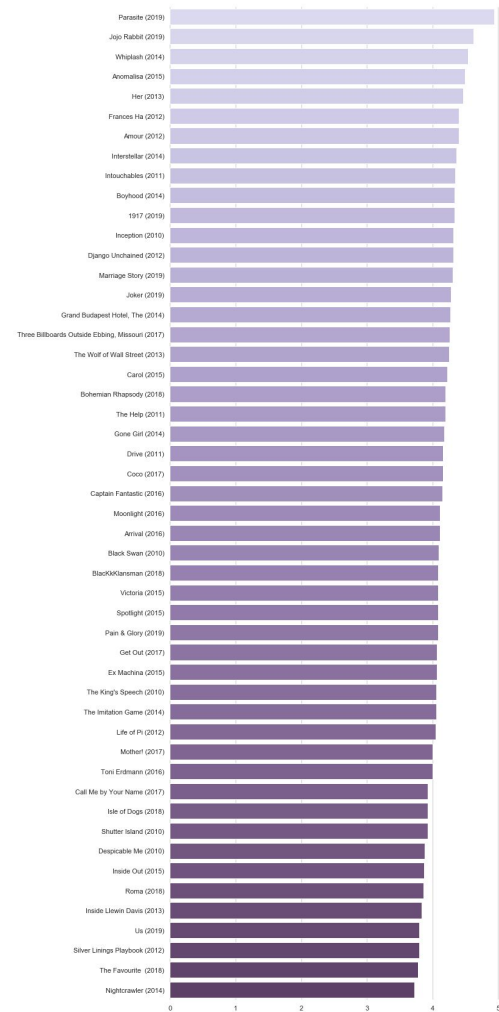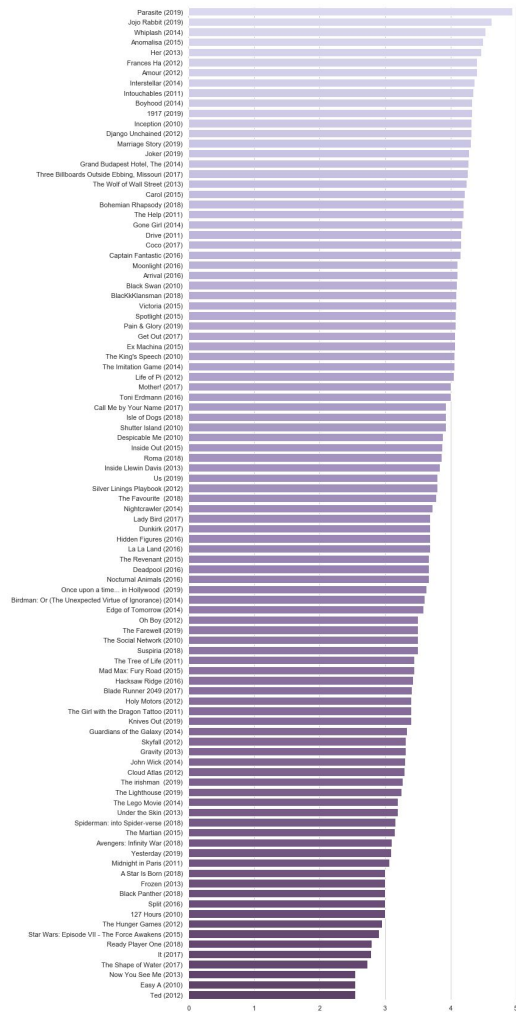
By **TODD SPANGLER** ✛

https://variety.com/2019/digital/news/hbo-recommended-by-humans-streaming-site-netflix-1203293780/
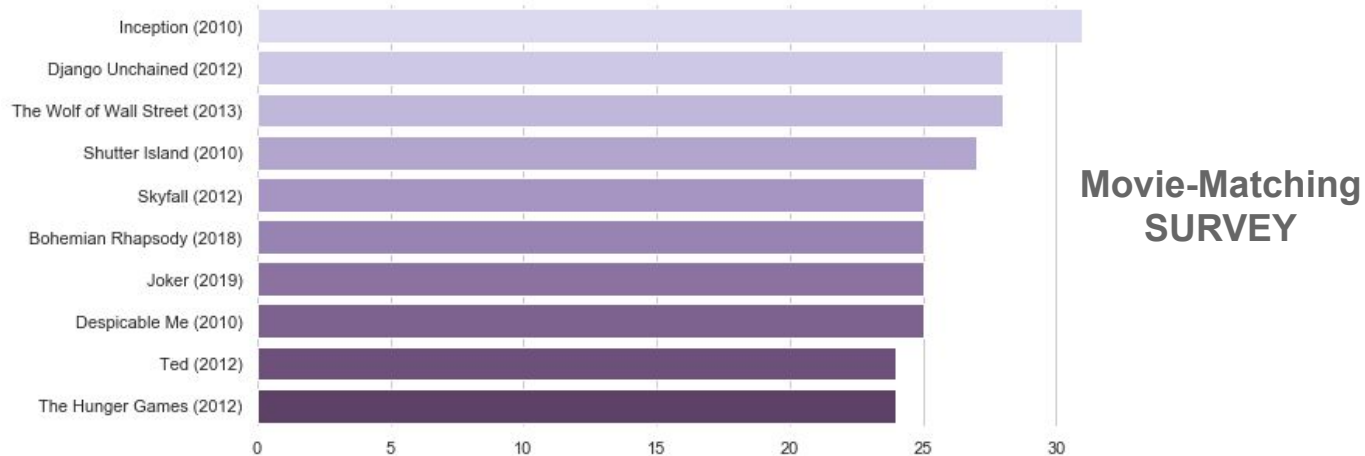
Thank **you** very much

Average ratings

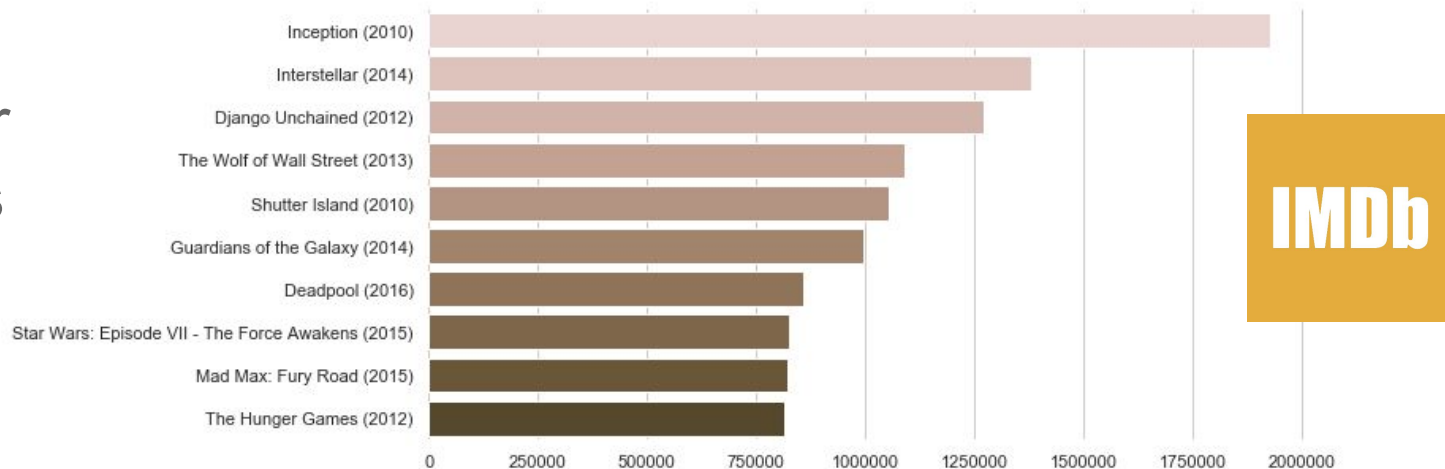# Average ratings

Parasite (2019)
Jojo Rabbit (2019)
Whiplash (2014)
Anomalisa (2015)
Her (2013)
Frances Ha (2012)
Amour (2012)
Interstellar (2014)
Intouchables (2011)
Boyhood (2014)
1917 (2019)
Inception (2010)
Django Unchained (2012)
Marriage Story (2019)
Joker (2019)
Grand Budapest Hotel, The (2014)
Three Billboards Outside Ebbing, Missouri (2017)
The Wolf of Wall Street (2013)
Carol (2015)
Bohemian Rhapsody (2018)
The Help (2011)
Gone Girl (2014)
Drive (2011)
Coco (2017)
Captain Fantastic (2016)
Moonlight (2016)
Arrival (2016)
Black Swan (2010)
BlacKkKlansman (2018)
Victoria (2015)
Spotlight (2015)
Pain & Glory (2019)
Get Out (2017)
Ex Machina (2015)
The King's Speech (2010)
The Imitation Game (2014)
Life of Pi (2012)
Mother! (2017)
Toni Erdmann (2016)
Call Me by Your Name (2017)
Isle of Dogs (2018)
Shutter Island (2010)
Despicable Me (2010)
Inside Out (2015)
Roma (2018)
Inside Llewin Davis (2013)
Us (2019)
Silver Linings Playbook (2012)
The Favourite (2018)
Nightcrawler (2014)
Lady Bird (2017)
Dunkirk (2017)
Hidden Figures (2016)
La La Land (2016)
The Revenant (2015)
Deadpool (2016)
Nocturnal Animals (2016)
Once upon a time... in Hollywood (2019)
Birdman: Or (The Unexpected Virtue of Ignorance) (2014)
Edge of Tomorrow (2014)
Oh Boy (2012)
The Farewell (2019)
The Social Network (2010)
Suspiria (2018)
The Tree of Life (2011)
Mad Max: Fury Road (2015)
Hacksaw Ridge (2016)
Blade Runner 2049 (2017)
Holy Motors (2012)
The Girl with the Dragon Tattoo (2011)
Knives Out (2019)
Guardians of the Galaxy (2014)
Skyfall (2012)
Gravity (2013)
John Wick (2014)
Cloud Atlas (2012)
The Irishman (2019)
The Lighthouse (2019)
The Lego Movie (2014)
Under the Skin (2013)
Spiderman: into Spider-verse (2018)
The Martian (2015)
Avengers: Infinity War (2018)
Yesterday (2019)
Midnight in Paris (2011)
A Star is Born (2018)
Frozen (2013)
Black Panther (2018)
Split (2016)
127 Hours (2010)
The Hunger Games (2012)
Star Wars: Episode VII - The Force Awakens (2015)
Ready Player One (2018)
It (2017)
The Shape of Water (2017)
Now You See Me (2013)
Easy A (2010)
Ted (2012)

Parasite (2019)
Jojo Rabbit (2019)
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Anomalisa (2015)
Her (2013)
Frances Ha (2012)
Amour (2012)
Interstellar (2014)
Intouchables (2011)
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Us (2019)
Silver Linings Playbook (2012)
The Favourite (2018)
Nightcrawler (2014)

Most popular movies
(vs IMDb)

IMDb

Inception (2010)
Interstellar (2014)
Django Unchained (2012)
The Wolf of Wall Street (2013)
Shutter Island (2010)
Guardians of the Galaxy (2014)
Deadpool (2016)
Star Wars: Episode VII - The Force Awakens (2015)
Mad Max: Fury Road (2015)
The Hunger Games (2012)

0   250000   500000   750000   1000000   1250000   1500000   1750000   2000000

Inception (2010)
Django Unchained (2012)
The Wolf of Wall Street (2013)
Shutter Island (2010)
Skyfall (2012)
Bohemian Rhapsody (2018)
Joker (2019)
Despicable Me (2010)
Ted (2012)
The Hunger Games (2012)

Movie-Matching
SURVEY

0   5   10   15   20   25   30

Some links to visit:

http://yifanhu.net/PUB/cf.pdf

https://medium.com/analytics-vidhya/implementation-of-a-movies-recommender-from-implicit-feedback-6a810de173ac

https://medium.com/radon-dev/als-implicit-collaborative-filtering-5ed653ba39fe

https://towardsdatascience.com/visualising-high-dimensional-datasets-using-pca-and-t-sne-in-python-8ef87e7915b

https://towardsdatascience.com/how-to-build-a-simple-recommender-system-in-python-375093c3fb7d

https://uxplanet.org/netflix-binging-on-the-algorithm-a3a74a6c1f59

https://jessesw.com/Rec-System/

https://towardsdatascience.com/importance-of-distance-metrics-in-machine-learning-modelling-e51395ffe60d

http://www.mallorcatechnews.com/entrevista-con-jaume-ripoll-filmin/

https://elpais.com/television/2020-03-01/anatomia-de-una-perdida-de-tiempo-asi-han-aumentado-los-minutos-que-pasamos-decidiendo-que-ver.html