

Data driven suggestions for the next thriller movie



Team McGonagall

Deepa Patel

Marcin Szleszynski

Saurabh Satasia

Sai Mohan Reddy Dalli



Data Source



Thriller, 20th Century Fox (US) (Sorted by Number of Votes Descending)

1-50 of 628 titles. | [Next »](#)

View Mode: [Compact](#) | [Detailed](#)

Sort by: [Popularity](#) | [A-Z](#) | [User Rating](#) | [Number of Votes▼](#) | [US Box Office](#) | [Runtime](#) | [Year](#) | [Release Date](#) | [Date of Your Rating](#) | [Your Rating](#)



1. **Mad Max: Fury Road** (2015)



R | 120 min | Action, Adventure, Sci-Fi



8.1



[Rate this](#)

90

Metascore

In a post-apocalyptic wasteland, a woman rebels against a tyrannical ruler in search for her homeland with the aid of a group of female prisoners, a psychotic worshiper, and a drifter named Max.

Director: [George Miller](#) | Stars: [Tom Hardy](#), [Charlize Theron](#), [Nicholas Hoult](#), [Zoë Kravitz](#)

Votes: 872,463 | Gross: \$154.06M



2. **Gone Girl** (2014)



R | 149 min | Drama, Mystery, Thriller



8.1



[Rate this](#)

79

Metascore

With his wife's disappearance having become the focus of an intense media circus, a man sees the spotlight turned on him when it's suspected that he may not be innocent.

Director: [David Fincher](#) | Stars: [Ben Affleck](#), [Rosamund Pike](#), [Neil Patrick Harris](#), [Tyler Perry](#)

Votes: 850,088 | Gross: \$167.77M

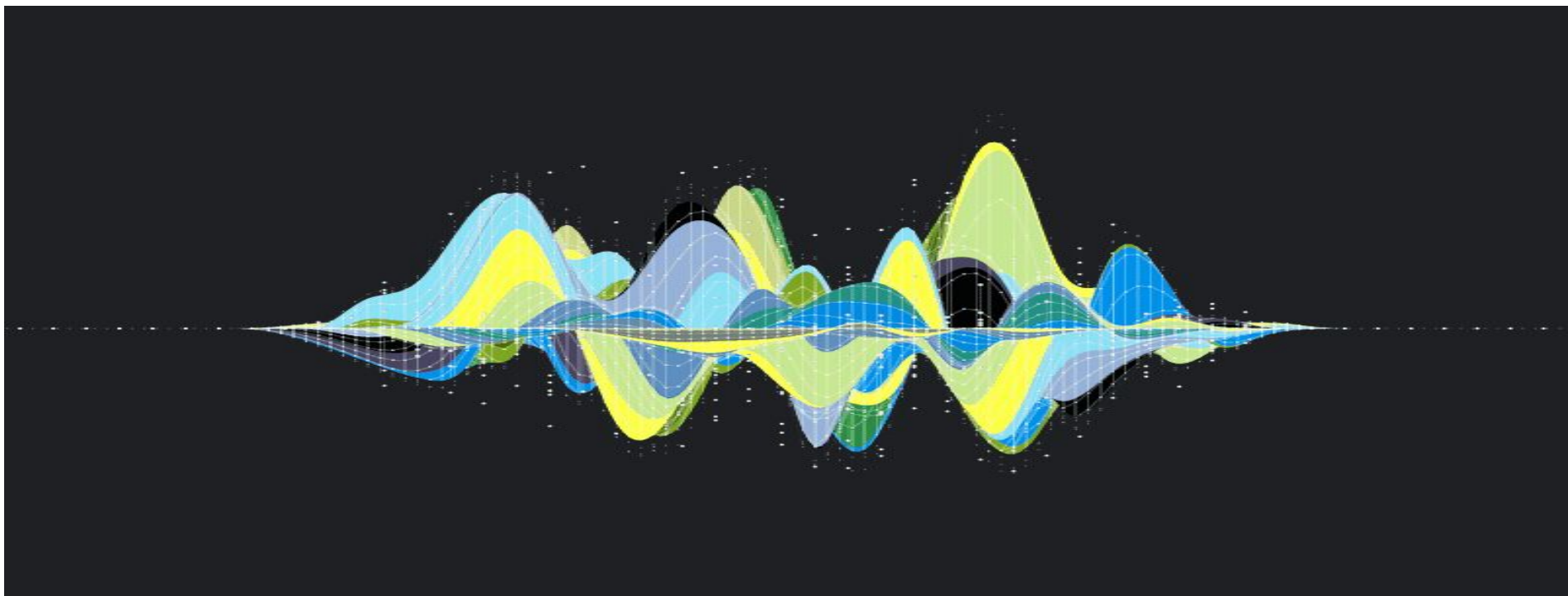
Web Scraping



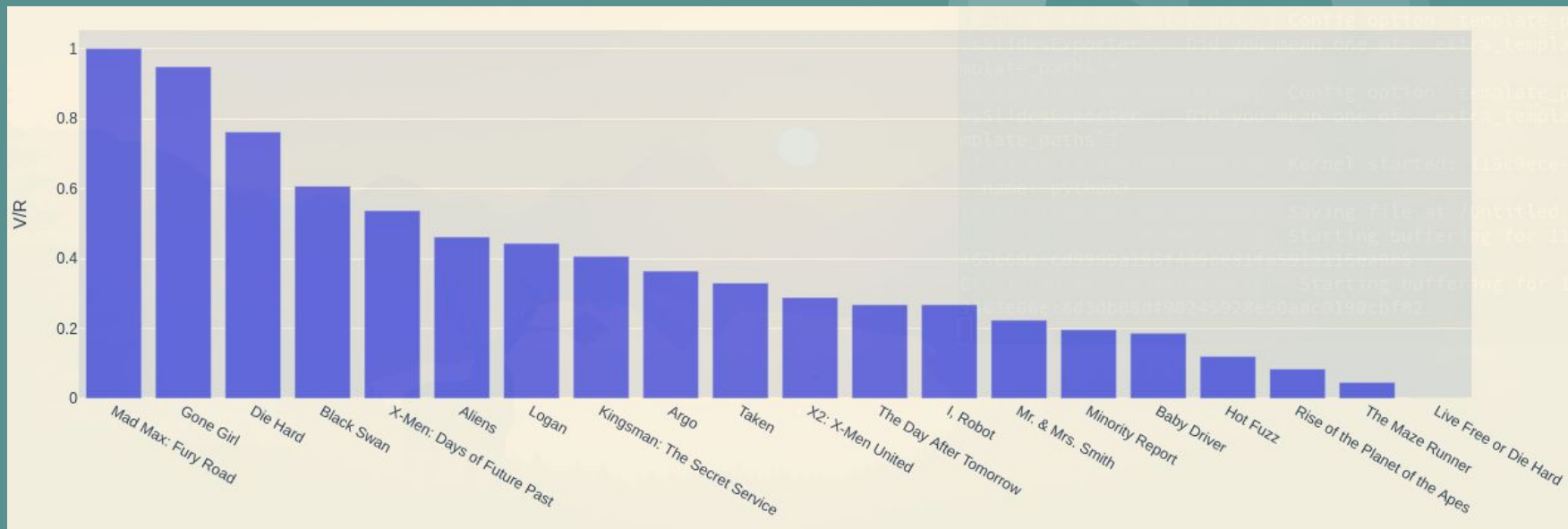
title object		description object		release int64	director object	rating float64	duration int64	votes int64	genre object	stars object
Mad Max: Fury... 5%		In a post-apocalyp... 5%		1986 - 2017	Bryan Sing... 10%	6.4 - 8.3	90 - 149	387225 - 872528	Action, Adventure,... 25%	Tom Hardy, Charliz...
Gone Girl... 5%		With his wife's di... 5%			Edgar Wrig... 10%				Action, Thriller... 15%	Ben Affleck, Rosam...
18 others... 90%		18 others... 90%			16 others... 80%				10 others... 60%	18 others... 60%
1	Mad Max: Fury Road	In a post-apocalyptic wasteland, a woman rebels against a tyrannical ...	2015	George Miller	8.1	120	872528	Action, Adventure, Sci-Fi	Tom Hardy, Charlize Theron, Nicholas Hoult, Zoë Kravitz	
2	Gone Girl	With his wife's disappearance having become the focus of an ...	2014	David Fincher	8.1	149	850139	Drama, Mystery, Thriller	Ben Affleck, Rosamund Pike, Neil Patrick Harris, Tyler Perry	
3	Die Hard	An NYPD officer tries to save his wife and several others taken hostage by ...	1988	John McTiernan	8.2	132	779430	Action, Thriller	Bruce Willis, Alan Rickman, Bonnie Bedelia, Reginald VelJohnson	
4	Black Swan	A committed dancer struggles to maintain her sanity after winning the ...	2010	Darren Aronofsky	8	108	694469	Drama, Thriller	Natalie Portman, Mikaela Kunnis, Vincent Cassel, Winona Ryder	
5	X-Men: Days of Future Past	The X-Men send Wolverine to the past in a desperate effort to ...	2014	Bryan Singer	7.9	132	656352	Action, Adventure, Sci-Fi	Patrick Stewart, Ian McKellen, Hugh Jackman, James McAvoy	
Expand rows 5 - 14										
16	Mr. & Mrs. Smith	A bored married couple is surprised to learn that they are both assassins ...	2005	Doug Liman	6.5	120	447063	Action, Comedy, Crime	Brad Pitt, Angelina Jolie, Adam Brody, Vaughn	
17	Baby Driver	After being coerced into working for a crime boss, a young getaway driver ...	2017	Edgar Wright	7.6	113	432954	Action, Crime, Music	Ansel Elgort, Jon Bernthal, Jon Hamm, González	
18	The Maze Runner	Thomas is deposited in a community of boys after his memory is erased, ...	2014	Wes Ball	6.8	113	414138	Action, Mystery, Sci-Fi	Dylan O'Brien, Kaya Scodelario, Will Poulton, Thomas Brodie-Sangster	
19	The Day After Tomorrow	Jack Hall, paleoclimatologist, must make a daring trek from ...	2004	Roland Emmerich	6.4	124	412633	Action, Adventure, Sci-Fi	Dennis Quaid, Jake Gyllenhaal, Emmy Rossum, Dash Mihok	



Data Visualization

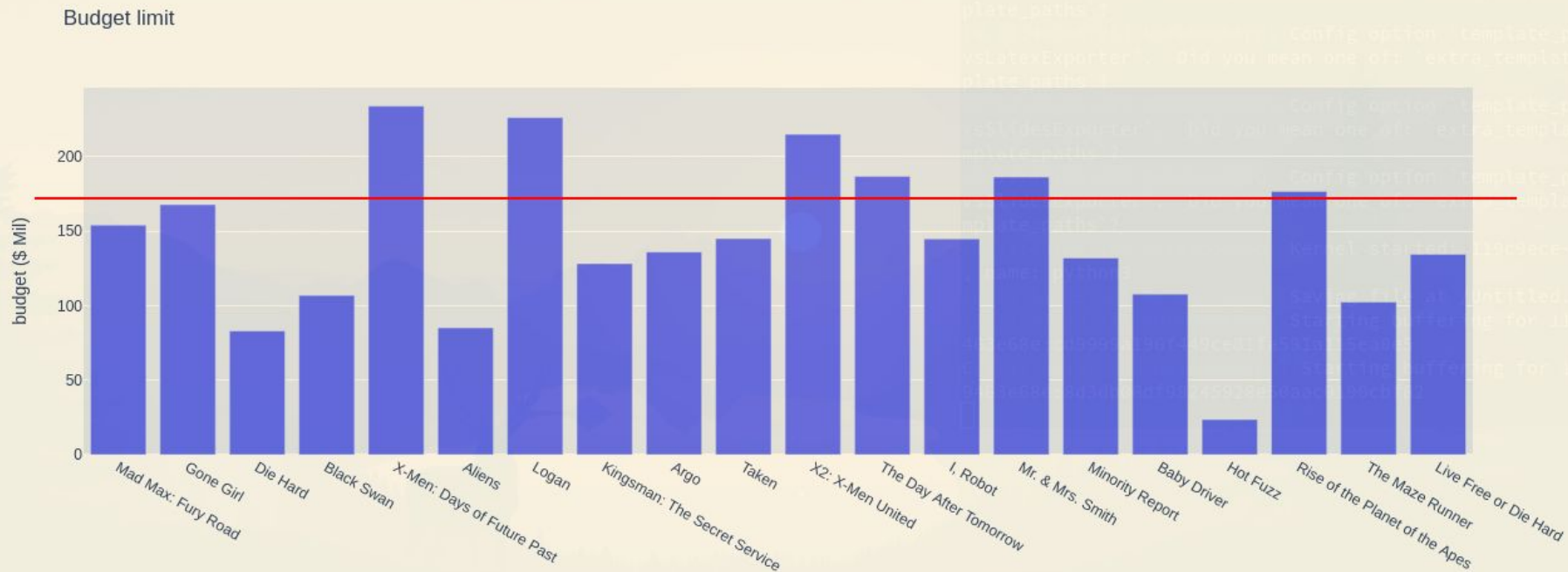


Top thrillers based on votes/rating ratio.

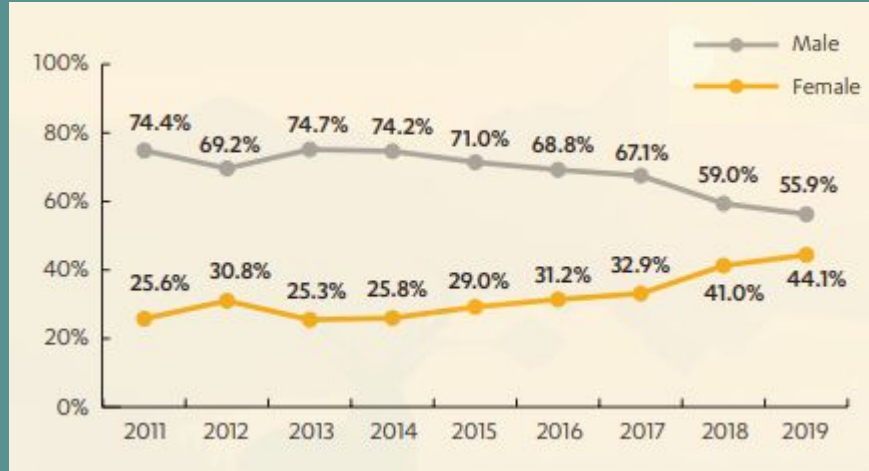


People need action!

~ \$160 million ceiling



Gender distribution of leading actors in top 150 movies for a given year.



Source: Hollywood Diversity Report 2020

Strong picks for lead



Anna Taylor-Joy

Fresh star. Brings attention.

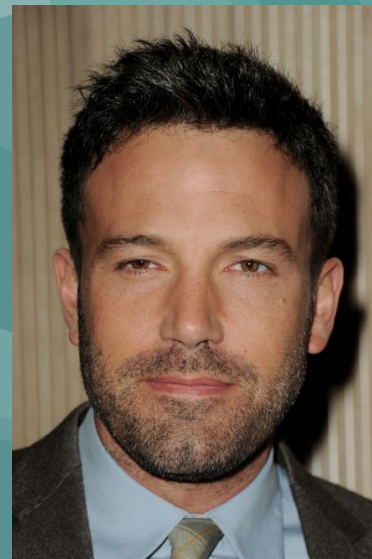
Horror experience.



Florence Pugh

Most trending right now.

Thriller experience (Midsommar)



Ben Affleck

Stars in 2 top 10 movies.

Both were thrillers.

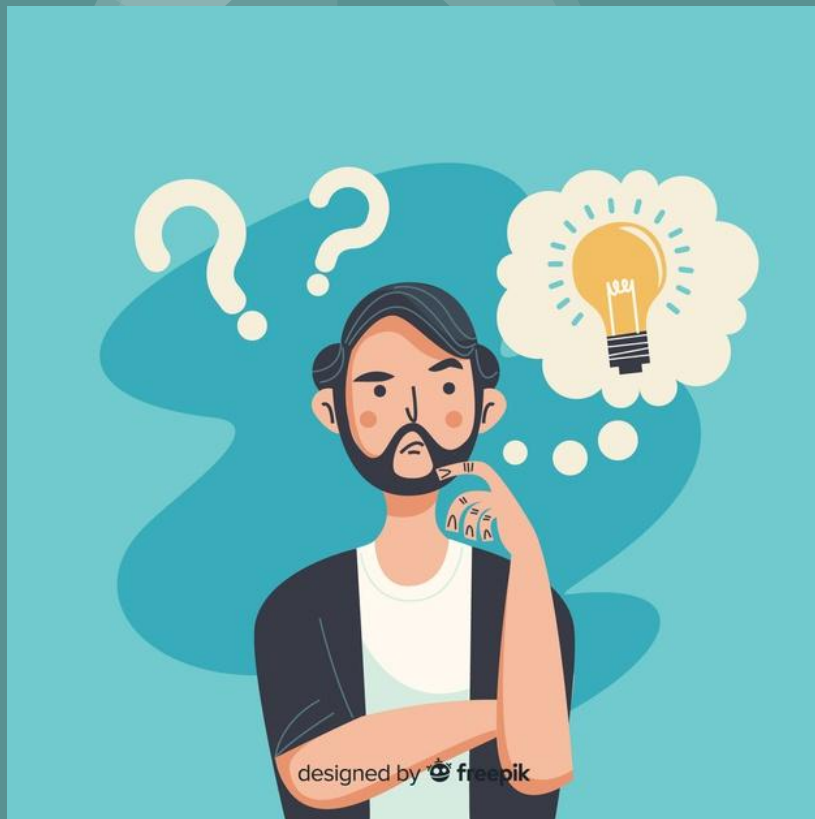
How do we find the director?

Steps:

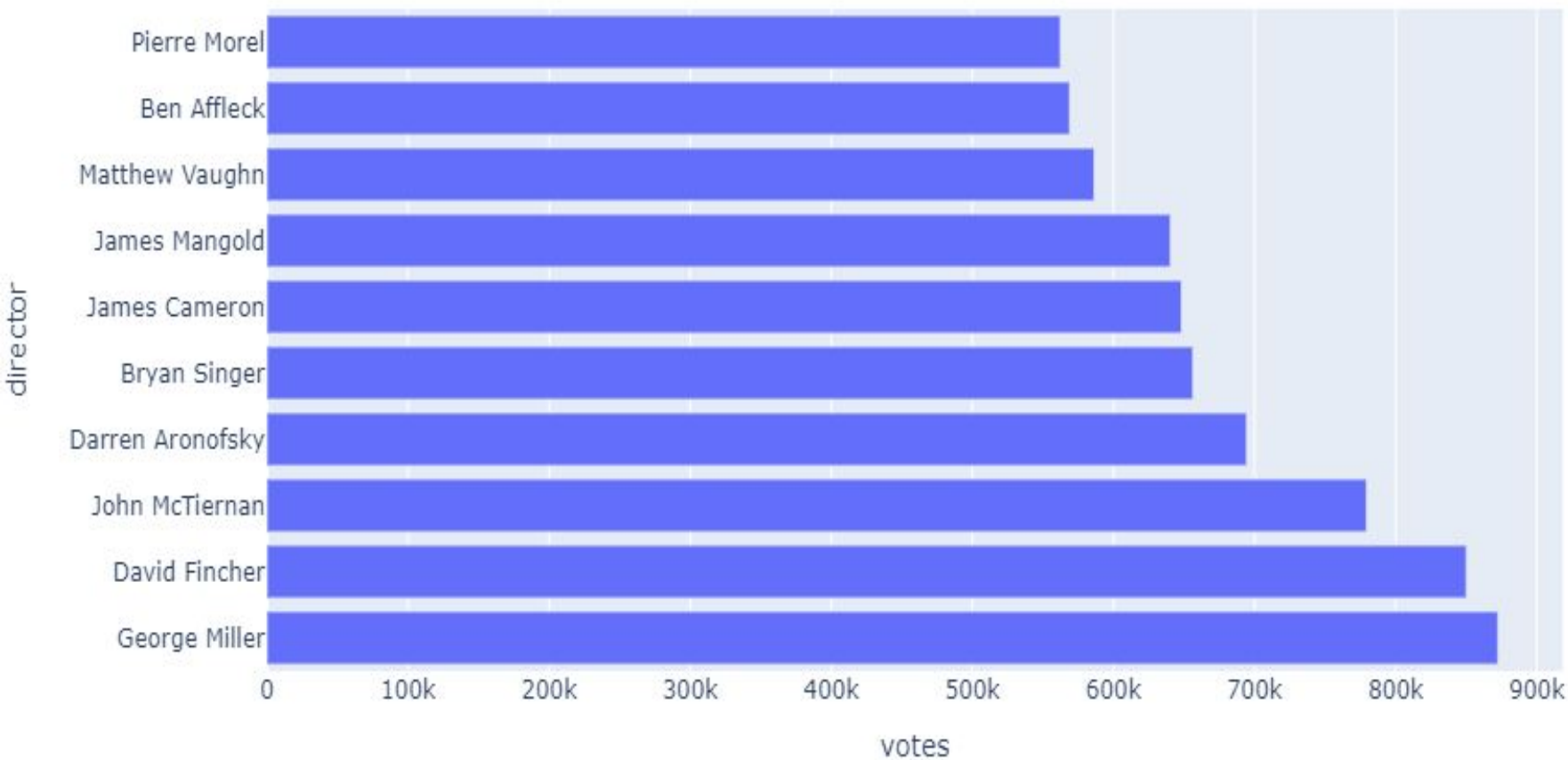
- Scrape the director's data from the url.
- Dataset with the director names using pandas.
- Visualize the data using Plotly.

The best director is voted by the number of viewers.

We plot the dataset with reference to the director and the votes.



Best Director considering the majority of the votes.



Top directors according to viewers votes

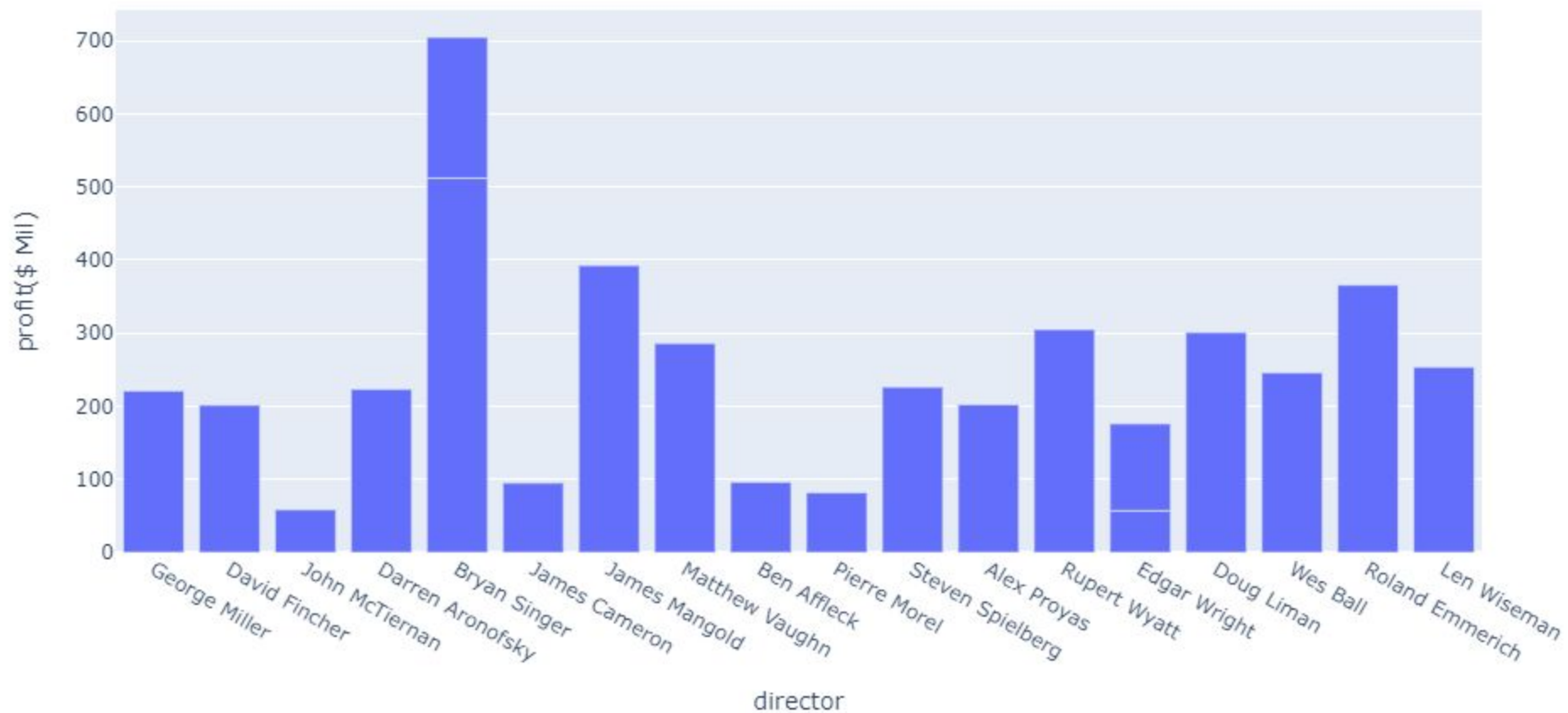


Hire a director?

- We look at the directors who made a huge profit with the previous films.
- We have updated the existing dataset with the profit considering the budget and the box office.



Production House profits



- According to our data, We can hire Bryan Singer because technically he gives us profit but he needs a budget of around 230 million dollars.
- Also, We can hire Edgar Wright, where with a small budget of 23 million dollars, he can give a profit of 57 million dollars.



QUESTIONS?



THANK
YOU!

