

TED

IDEASWORTH**SPREADING**

Apple TV+

Disney+

NETFLIX

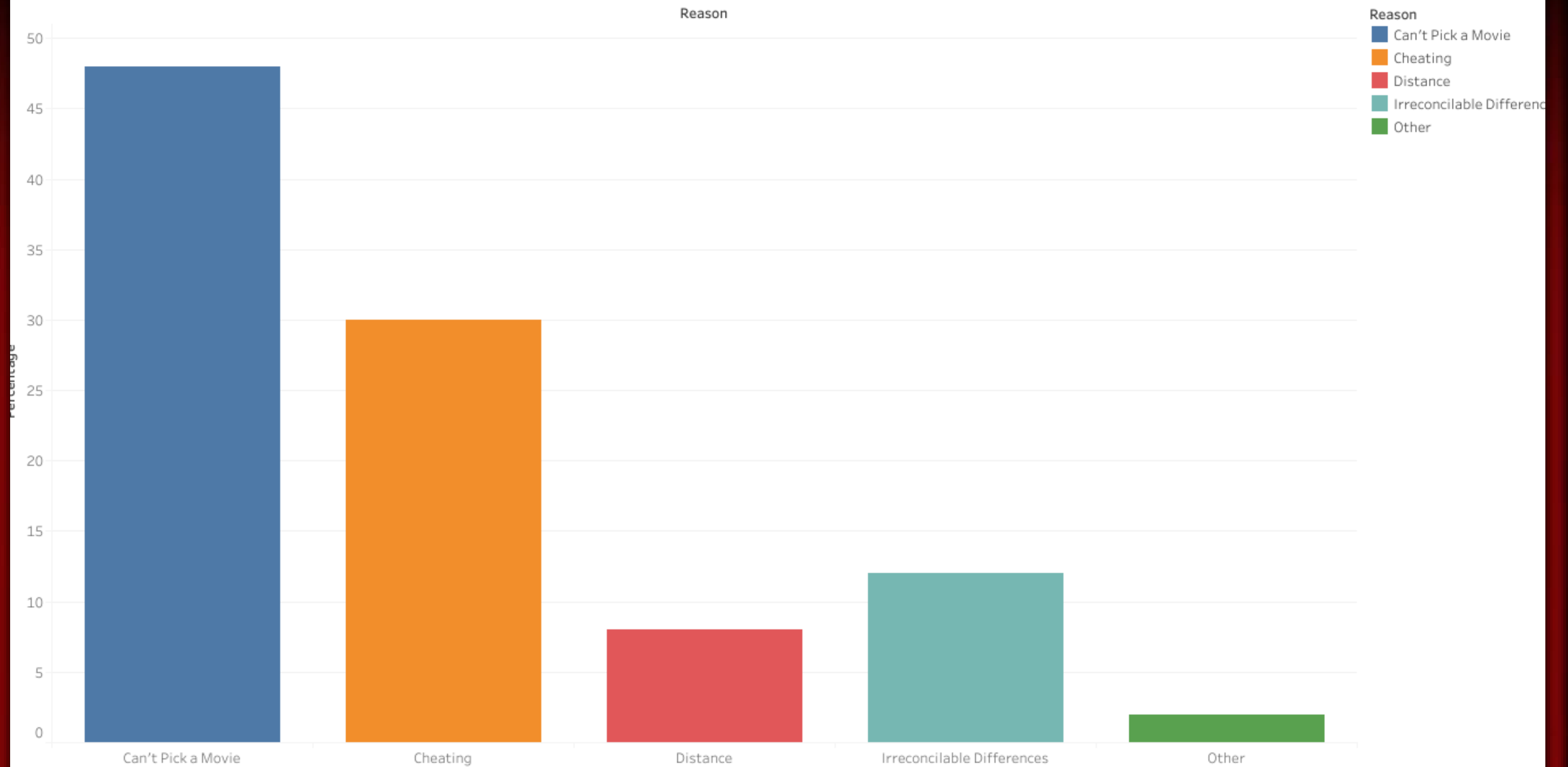
prime video

Alt Gr





Breakup Reasons



The image depicts a stage with heavy red curtains. A spotlight illuminates the center of the stage floor, where the text is displayed. The curtains are drawn back, revealing a dark stage floor and a light-colored backdrop.

My solution ?

**Allow me to introduce a data-driven approach that
will make these disagreements a thing of the past - a
Movie Recommender System.**

What is a Movie Recommender System?



Footage of someone saying they dont like how netflix works

So we asked them why :





Pickflix

- Movie recommender solely based on actors

```
In [43]: def gladys_recommender(actor_name, num_movies=5):
         actor_movies = df[df['actor/actress'] == actor_name]

         sorted_movies = actor_movies.sort_values(by='rating', ascending=False)

         return sorted_movies['title'].head(num_movies)
```

```
In [44]: gladys_recommender('Jean Dujardin', 5)
```

```
Out[44]: 3371044      À la banque
         3371086      Dans le vercors 3
         3371084      Dans la cuisine 12
         3371059      Au téléphone 8
         3371046      À la librairie
         Name: title, dtype: object
```

```
In [45]: gladys_recommender('Thierry Lhermitte', 5)
```

```
Out[45]: 2874017      Philippe Noiret: Gentleman saltimbanque
         2590649      Une camisole pour le Doc
         916331      Le père Noël est une ordure
         4279524      Les pouvoirs extraordinaires du corps humain
         2531814      Trop, c'est trop!
         Name: title, dtype: object
```

```
In [47]: gladys_recommender('Dev Patel', 5)
```

```
Out[47]: 119275      Lion: The Journey Home
         2770689      Roborovski
         3454941      Chris
         623722      The Newsroom
         757388      When Cupid Is a Prying Journalist
         Name: title, dtype: object
```

- Movie recommender based on actors, using the attribute genre

```
In [70]: def gladys_top_movies(actor_name, num_movies=5):
         actor_movies = df[(df['actor/actress'] == actor_name) & (df['type'] == 'movie')]

         sorted_movies = actor_movies.sort_values(by='rating', ascending=False)

         top_movies = sorted_movies.head(num_movies)

         return top_movies
```

```
In [71]: gladys_top_movies('Ryan Gosling', 5)
```

```
Out[71]:
```

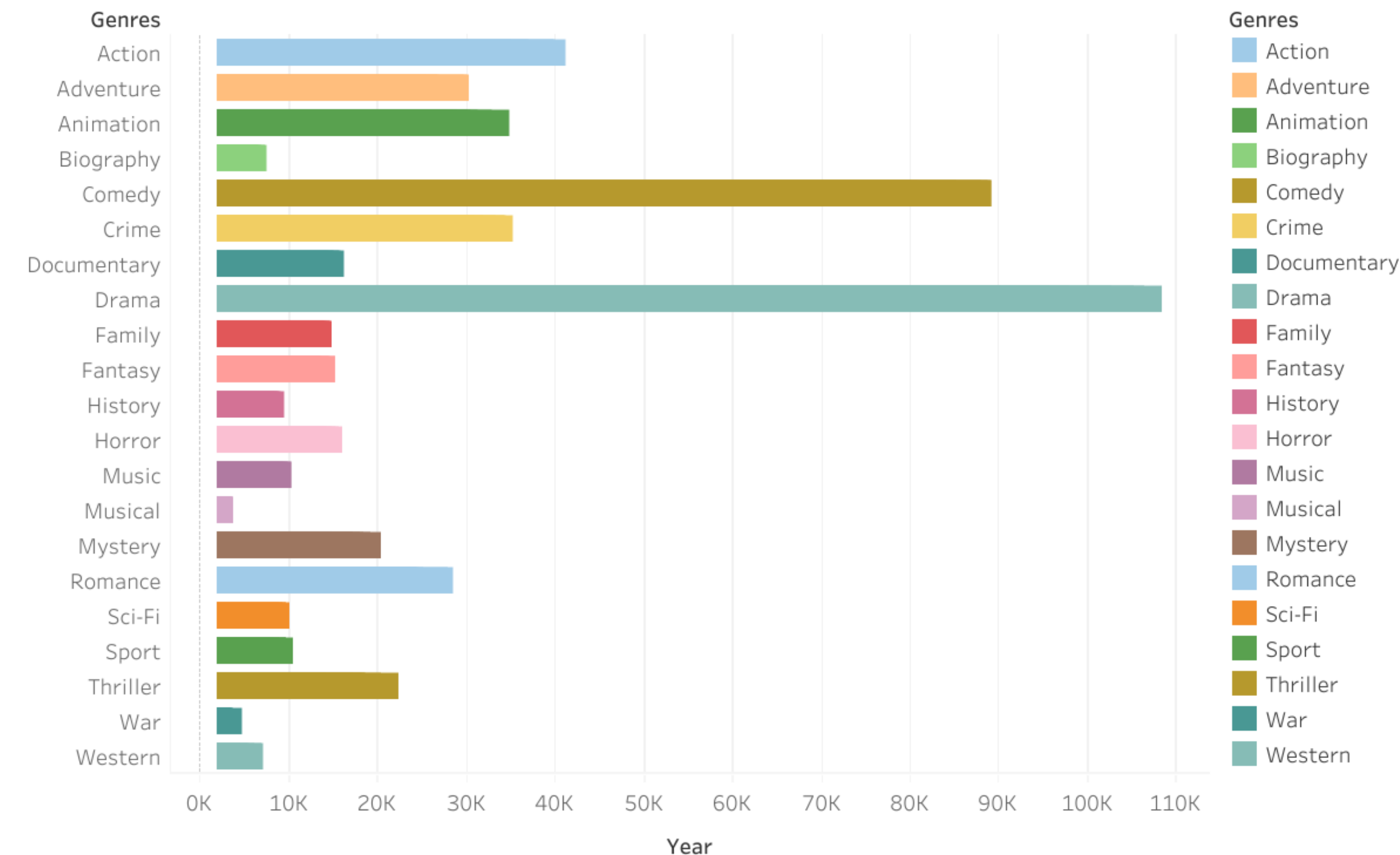
	actor/actress	category	type	title	year	duration	genres	rating	votes
3728452	Ryan Gosling	actor	movie	La La Land	2016	128	Comedy,Drama,Music	8.0	621727
92628	Ryan Gosling	actor	movie	Blade Runner 2049	2017	164	Action,Drama,Mystery	8.0	611680
3531185	Ryan Gosling	self	movie	Screenplay Series with Syd Field	2007	90	Biography	8.0	11
592512	Ryan Gosling	actor	movie	The Notebook	2004	123	Drama,Romance	7.8	591588
39778	Ryan Gosling	actor	movie	The Big Short	2015	130	Biography,Comedy,Drama	7.8	451877

```
In [72]: gladys_top_movies('Viola Davis', 5)
```

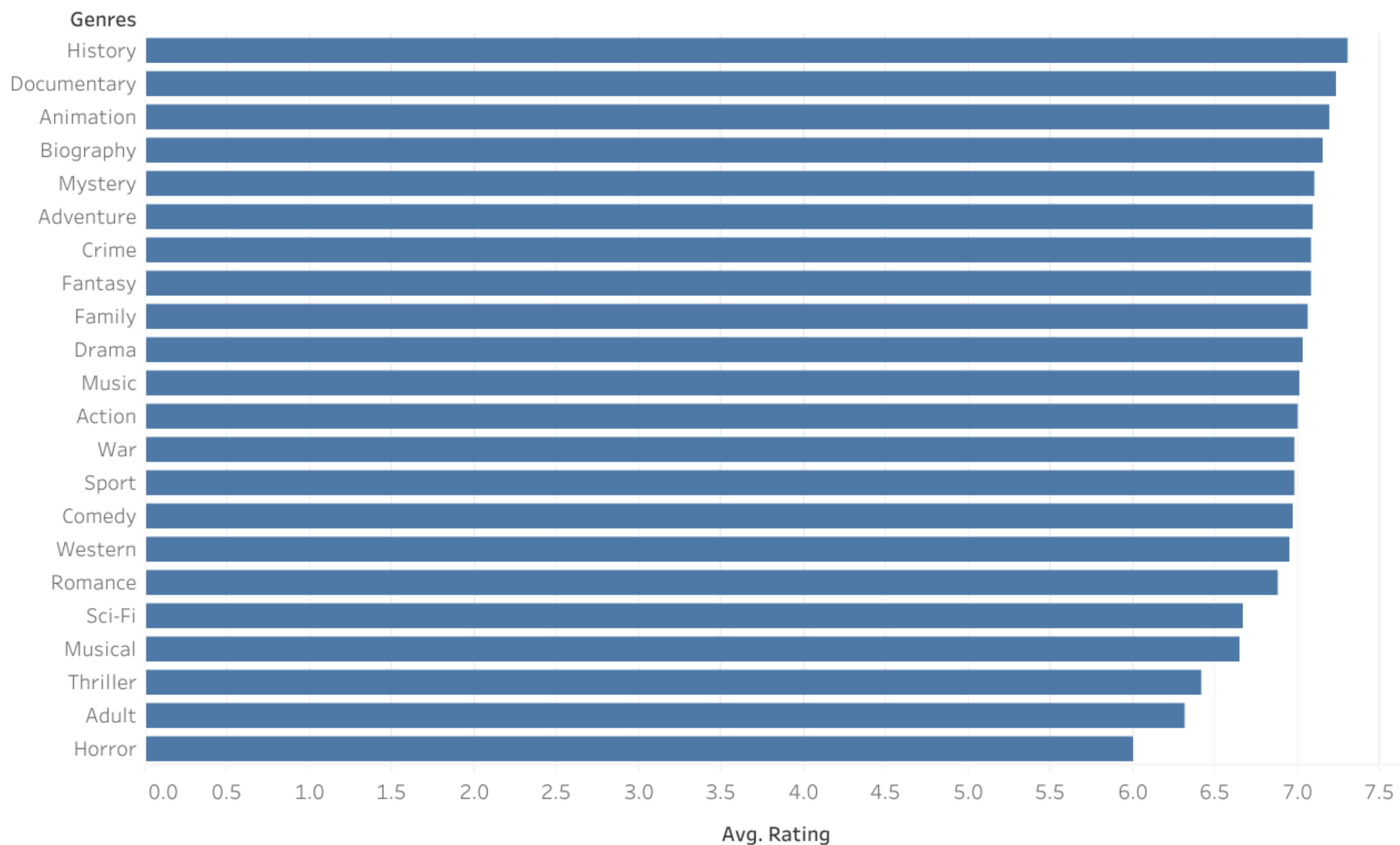
```
Out[72]:
```

	actor/actress	category	type	title	year	duration	genres	rating	votes
3196391	Viola Davis	actress	movie	The Help	2011	146	Drama	8.1	475350
3196373	Viola Davis	actress	movie	Prisoners	2013	153	Crime,Drama,Mystery	8.1	755995
309382	Viola Davis	actress	movie	Doubt	2008	104	Drama,Mystery	7.5	133343
163549	Viola Davis	actress	movie	Fences	2016	139	Drama	7.2	112875
64541	Viola Davis	actress	movie	The Unforgivable	2021	112	Crime,Drama	7.1	114471

Number of Movies Released Each Year, per Genre



Genres by rating



```
#All unique movies with their duration, genres and ratings :  
SELECT DISTINCT title, duration, genres, rating  
FROM cleaned_movies ;
```

James Cagney	3	Music,Short	9.8
I, Leonardo: A Journey of the Mind	60	Biography,Drama	9.8
Gotterdammerung	30	Biography,Documentary	9.8
Strike Hard, Strike Home!	30	Biography,Documentary	9.8
French Agony	30	Biography,Documentary	9.8
Hinge of Fate	30	Biography,Documentary	9.8
Struggle at Sea	30	Biography,Documentary	9.8
Take One with You	30	Biography,Documentary	9.8
The Ravens Remain	30	Biography,Documentary	9.8
Merry Christmas, Baby	60	Drama	9.7
The Godfather Saga	434	Crime,Drama,Thriller	9.5
Agatha Christie: A Woman of Mystery	57	Biography,Documentary	9.4

A stage with red curtains and a spotlight. The curtains are red with a dark red outline. The stage floor is dark grey. A bright white spotlight is shining on the center of the stage.

Let's see Pickflix in action !



Pickflix

Saving relationships one movie at a time

**Saving relationships,
one movie at a time**

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