



# MOVIE RATING ANALYSIS



SUDHEER KUMAR THATI

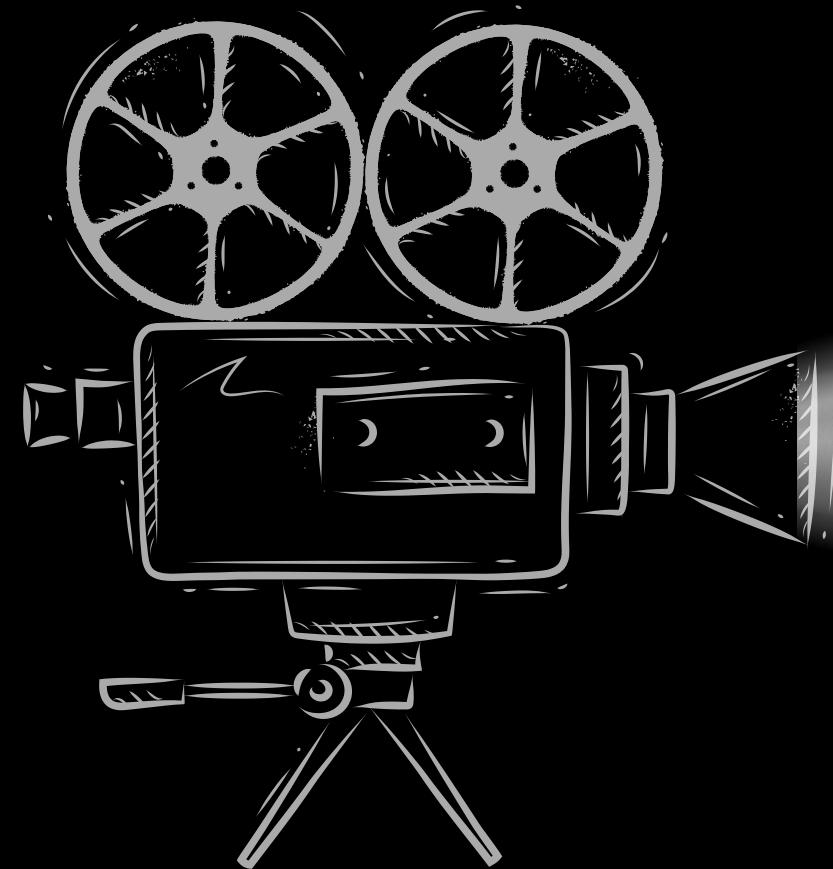
# INTRODUCTION

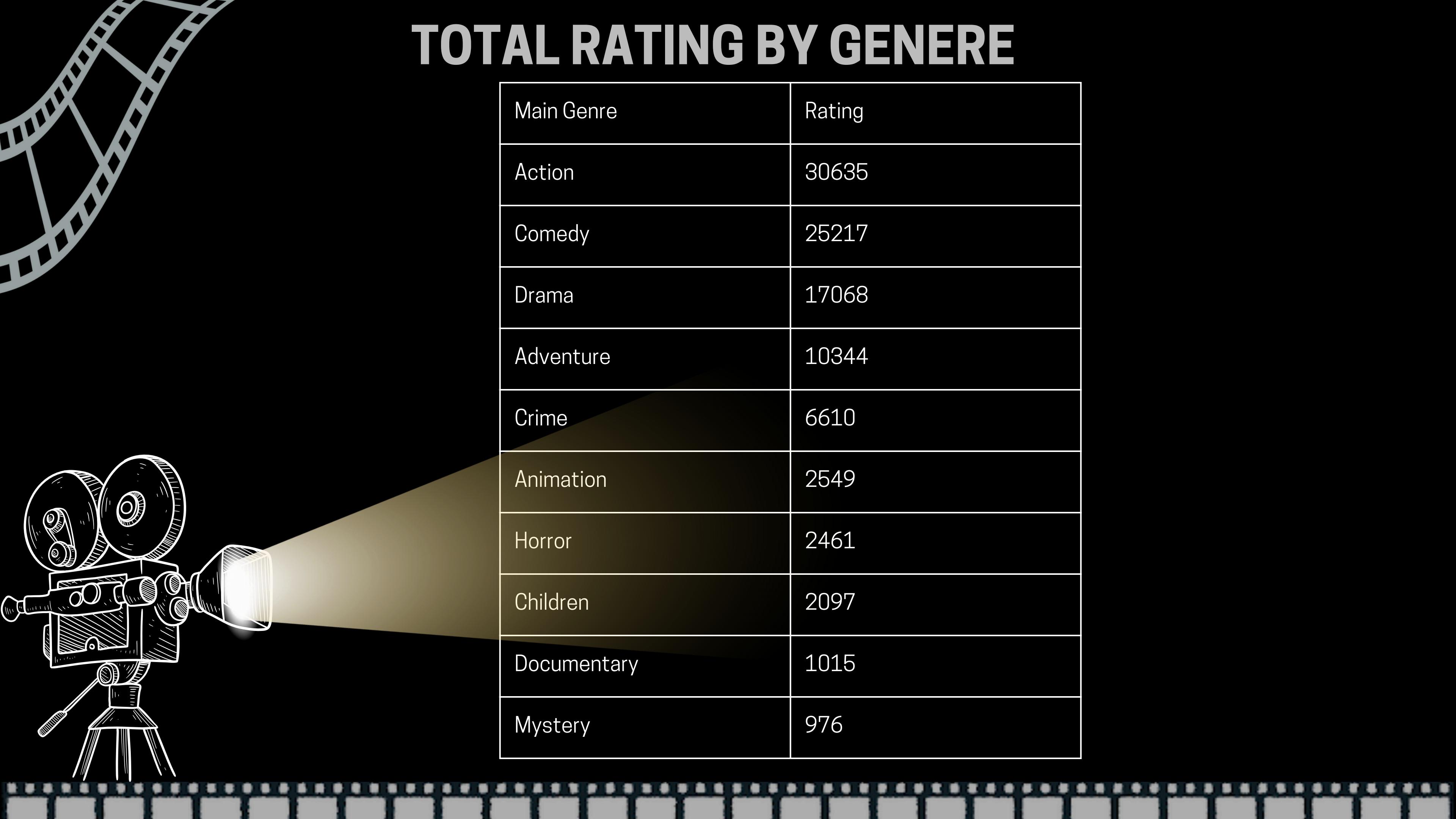
The data set consist of two sub data sets:

- Movies Data: Includes movieId, title, and genres describing each movie's details.
- Ratings Data: Contains userId, movieId, rating, and timestamp for user movie ratings

# AVERAGE RATING BY GENERE

MAIN GENRE	SCORE
FILM-NOIR	<b>4.080357</b>
MYSTERY	<b>3.855533</b>
CRIME	<b>3.834191</b>
DOCUMENTARY	<b>3.829557</b>
WESTERN	<b>3.65894</b>
MUSICAL	<b>3.652985</b>
DRAMA	<b>3.647205</b>
ANIMATION	<b>3.578266</b>
ADVENTURE	<b>3.566029</b>
WAR	<b>3.555556</b>



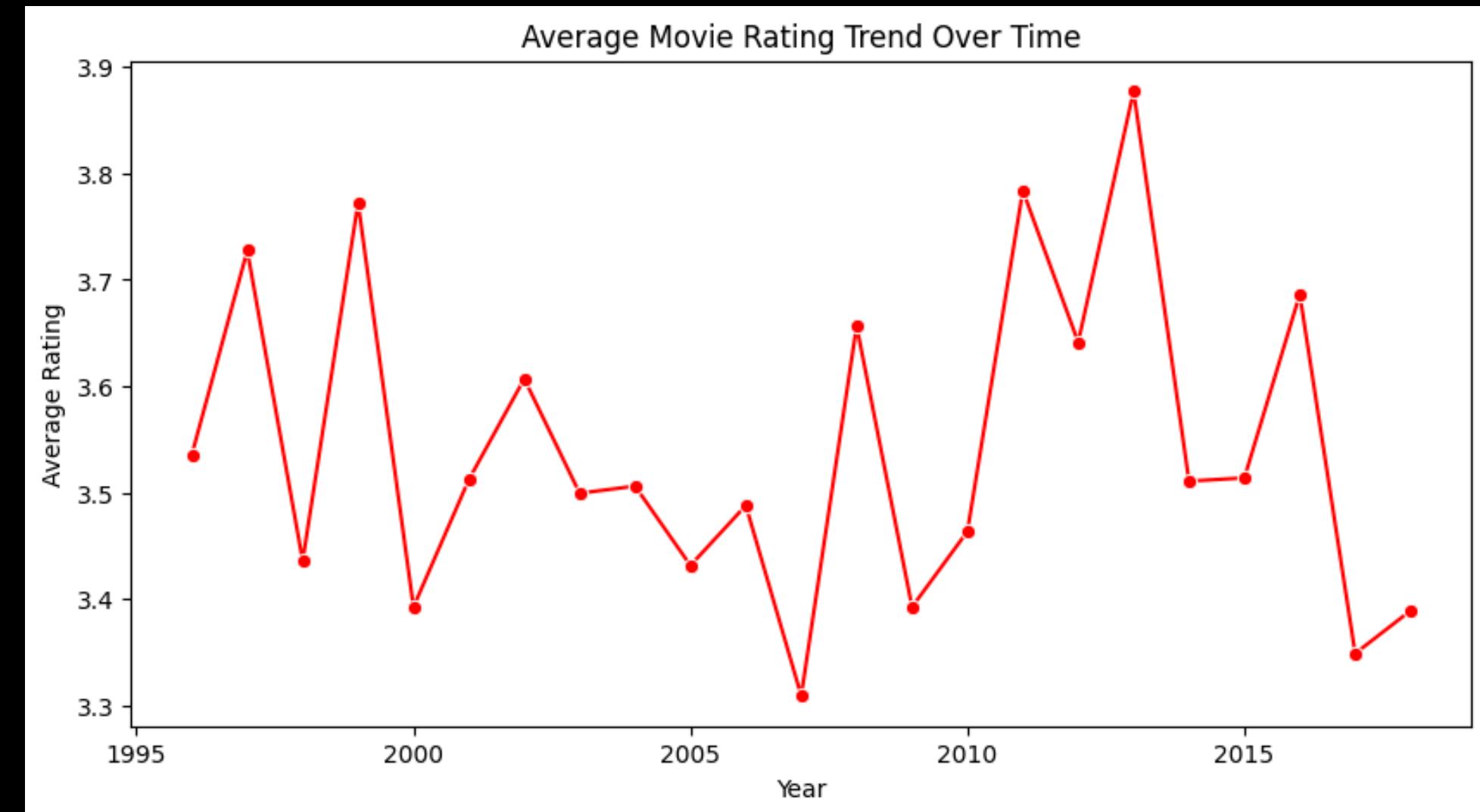
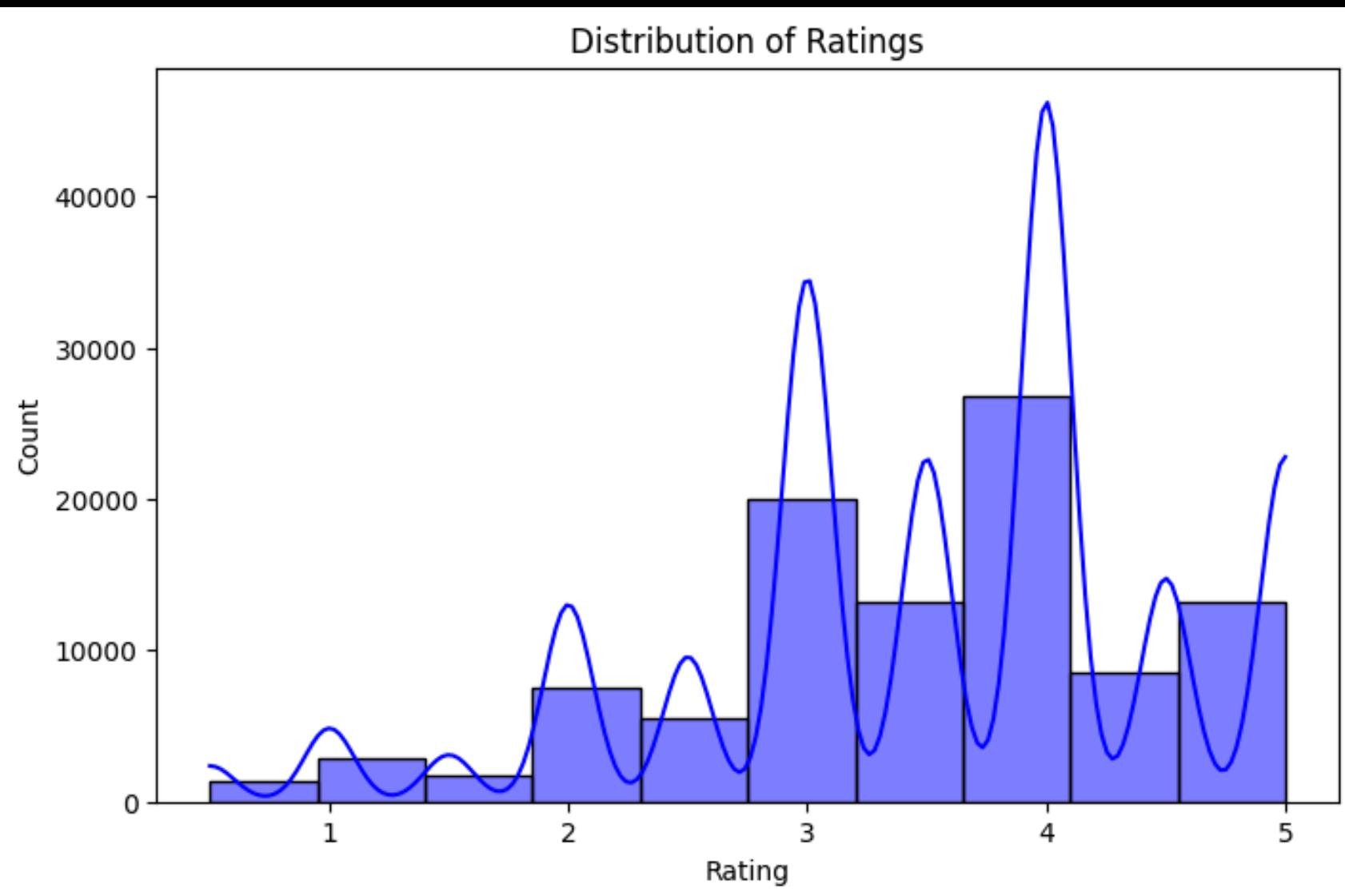


# TOTAL RATING BY GENRE

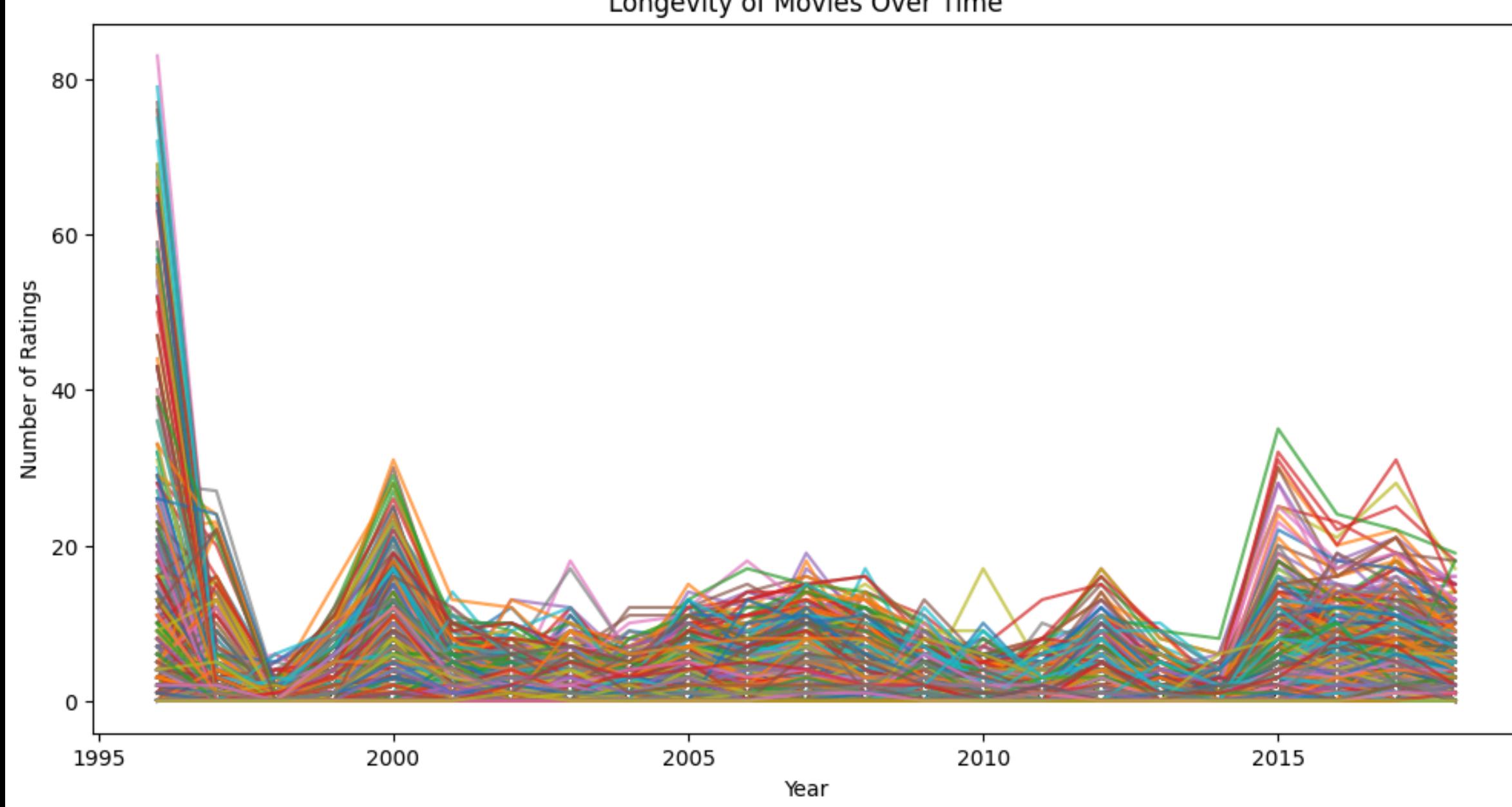
Main Genre	Rating
Action	30635
Comedy	25217
Drama	17068
Adventure	10344
Crime	6610
Animation	2549
Horror	2461
Children	2097
Documentary	1015
Mystery	976

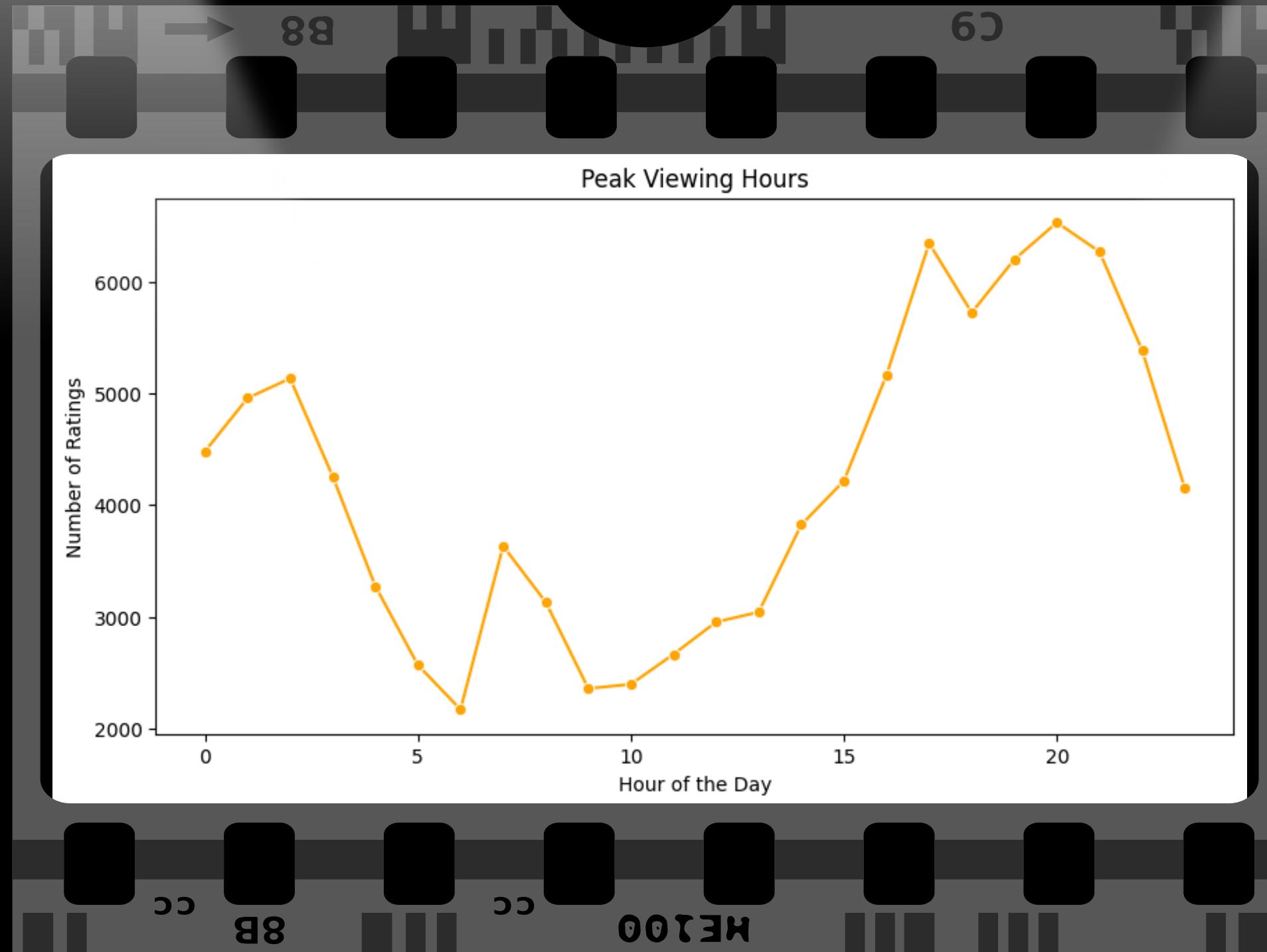
# TOP RATED MOVIES

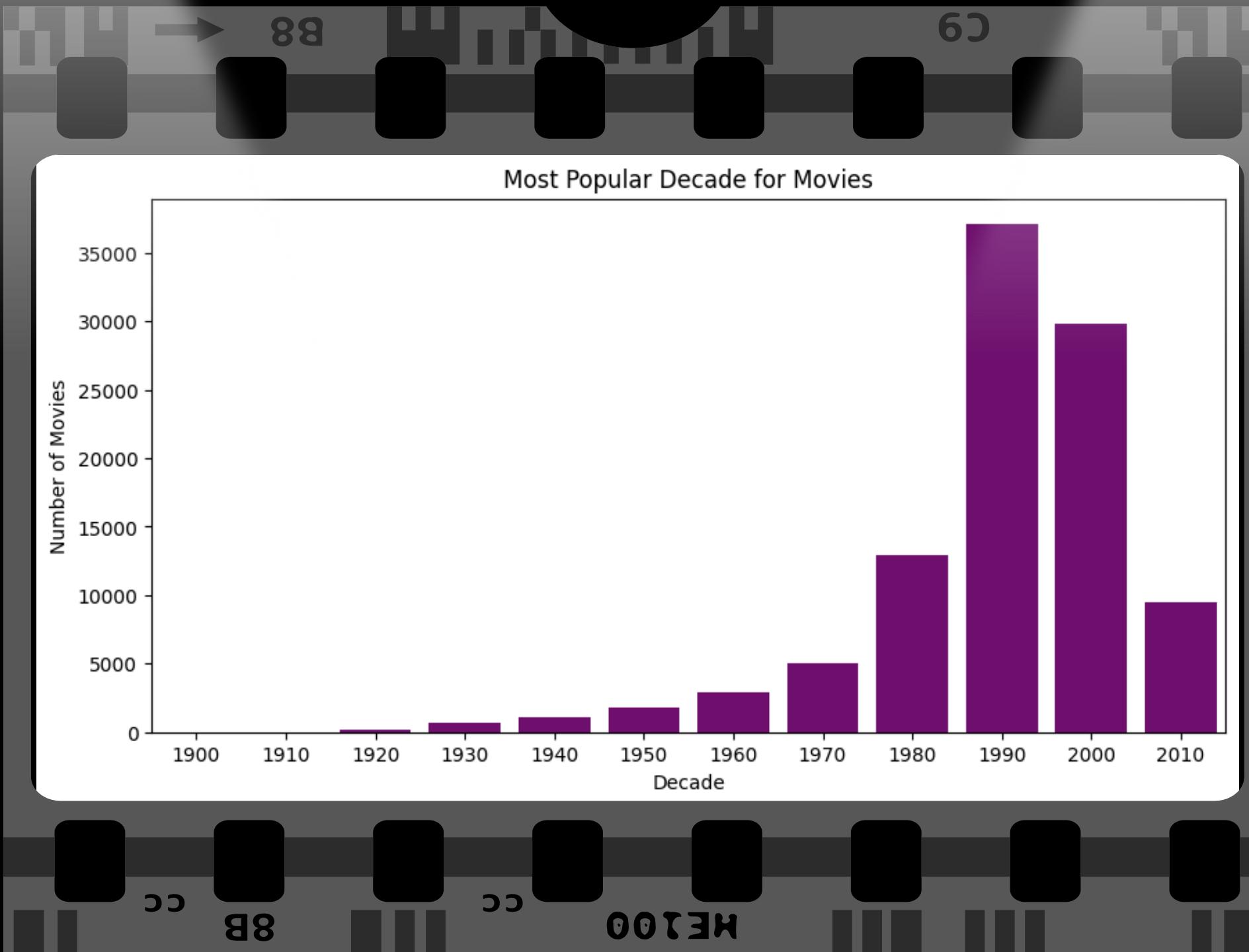
Title	Avg Rating	Rating Count
Shawshank Redemption, The (1994)	4.429022	317
Godfather, The (1972)	4.289062	192
Fight Club (1999)	4.272936	218
Cool Hand Luke (1967)	4.27193	57
Dr. Strangelove or: How I Learned to Stop Worry...	4.268041	97



### Longevity of Movies Over Time







avg\_rating rating\_std \

title	avg_rating	rating_std
Blair Witch Project, The (1999)	2.796875	1.373556
First Knight (1995)	3.0853333	1.298584
Austin Powers: The Spy Who Shagged Me (1999)	3.198347	1.215318
Moulin Rouge (2001)	3.598909	1.198343
Scream (1996)	3.200000	1.196008
Mars Attacks! (1996)	3.093023	1.179518
Cable Guy, The (1996)	2.885556	1.175263
Nutty Professor, The (1996)	2.731707	1.173775
Rushmore (1998)	3.544643	1.157108
Sense and Sensibility (1995)	3.776119	1.145755

rating\_count

title	rating_count
Blair Witch Project, The (1999)	64
First Knight (1995)	54
Austin Powers: The Spy Who Shagged Me (1999)	121
Moulin Rouge (2001)	55
Scream (1996)	79
Mars Attacks! (1996)	86
Cable Guy, The (1996)	54
Nutty Professor, The (1996)	82
Rushmore (1998)	56
Sense and Sensibility (1995)	67

[23]

... Top Late-Night Movies:

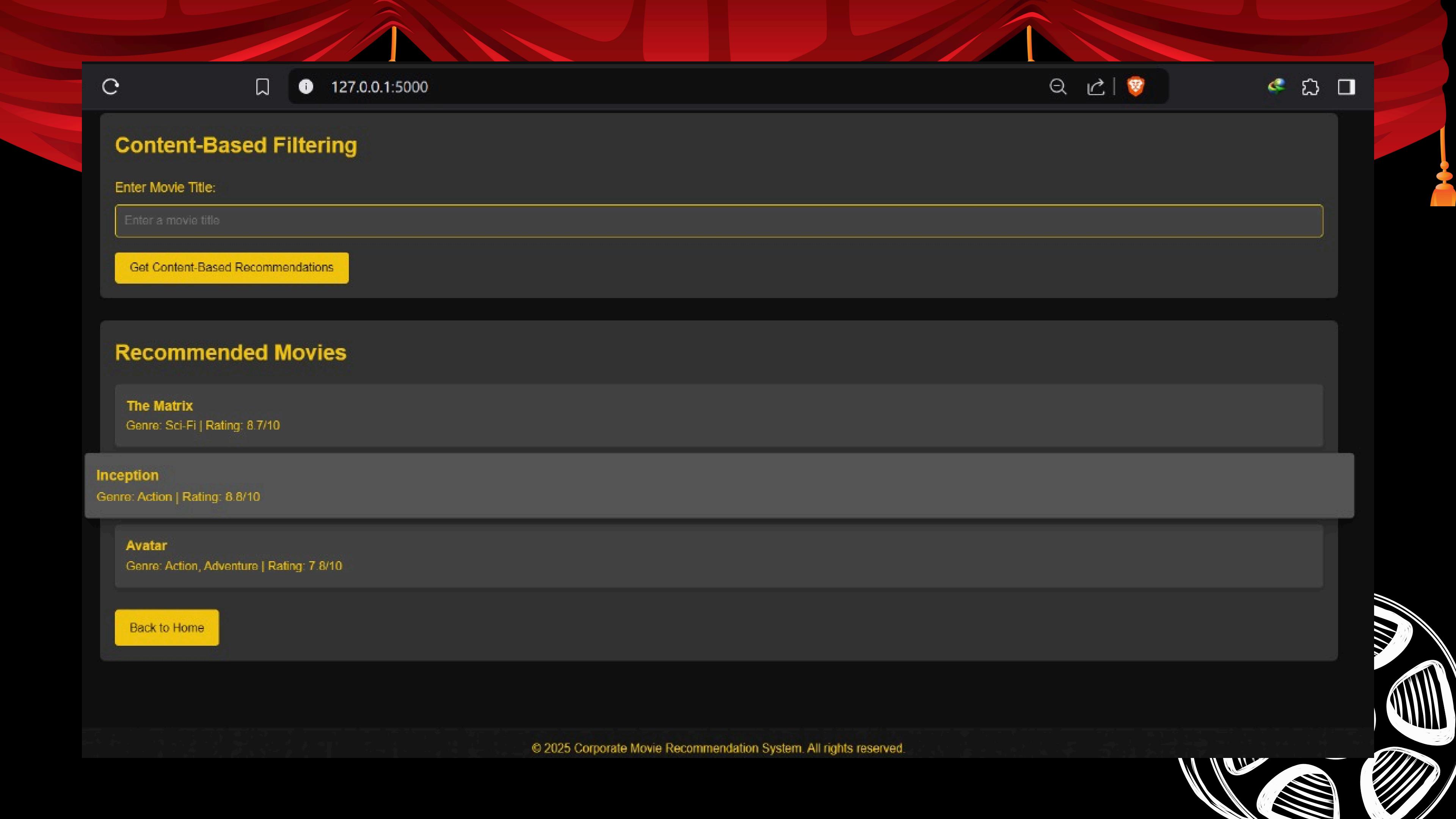
title	rating
Pulp Fiction (1994)	34
Silence of the Lambs, The (1991)	27
Forrest Gump (1994)	25
Matrix, The (1999)	25
Shawshank Redemption, The (1994)	25
Usual Suspects, The (1995)	23
Seven (a.k.a. Se7en) (1995)	22
Star Wars: Episode VI - Return of the Jedi (1983)	22
Jurassic Park (1993)	20
Star Wars: Episode I - The Phantom Menace (1999)	19

Name: rating, dtype: int64

Top Weekend Movies:

title	rating
Pulp Fiction (1994)	79
Shawshank Redemption, The (1994)	78
Forrest Gump (1994)	72
Matrix, The (1999)	72
Fight Club (1999)	70
Silence of the Lambs, The (1991)	68
American Beauty (1999)	62
Star Wars: Episode IV - A New Hope (1977)	59
Seven (a.k.a. Se7en) (1995)	58
Godfather, The (1972)	55

Name: rating, dtype: int64



A screenshot of a web browser window titled "Content-Based Filtering" at the URL "127.0.0.1:5000". The page has a dark theme with yellow text. It features a search bar for movie titles and a button to get recommendations. Below, a section titled "Recommended Movies" lists three movies: "The Matrix", "Inception", and "Avatar", each with its genre and rating. A "Back to Home" button is at the bottom.

## Content-Based Filtering

Enter Movie Title:

Get Content-Based Recommendations

## Recommended Movies

**The Matrix**  
Genre: Sci-Fi | Rating: 8.7/10

**Inception**  
Genre: Action | Rating: 8.8/10

**Avatar**  
Genre: Action, Adventure | Rating: 7.8/10

[Back to Home](#)

# THANK YOU

