Univariate analysis

0)Cleaning outliers

Box Plot of Movie Ratings

Movie Rating

Box Plot of Movie Ratings (outliers removed)

Movie Rating

Box Plot of Movie Runtime

Box Plot of Movie Runtime (outliers removed)
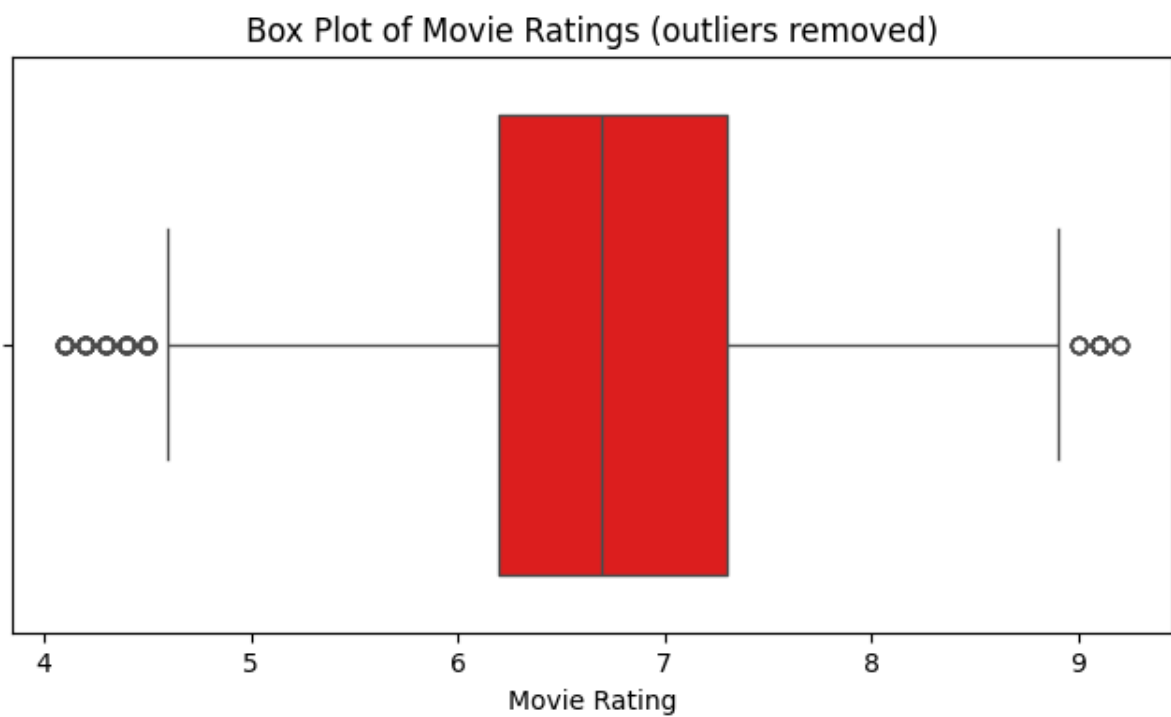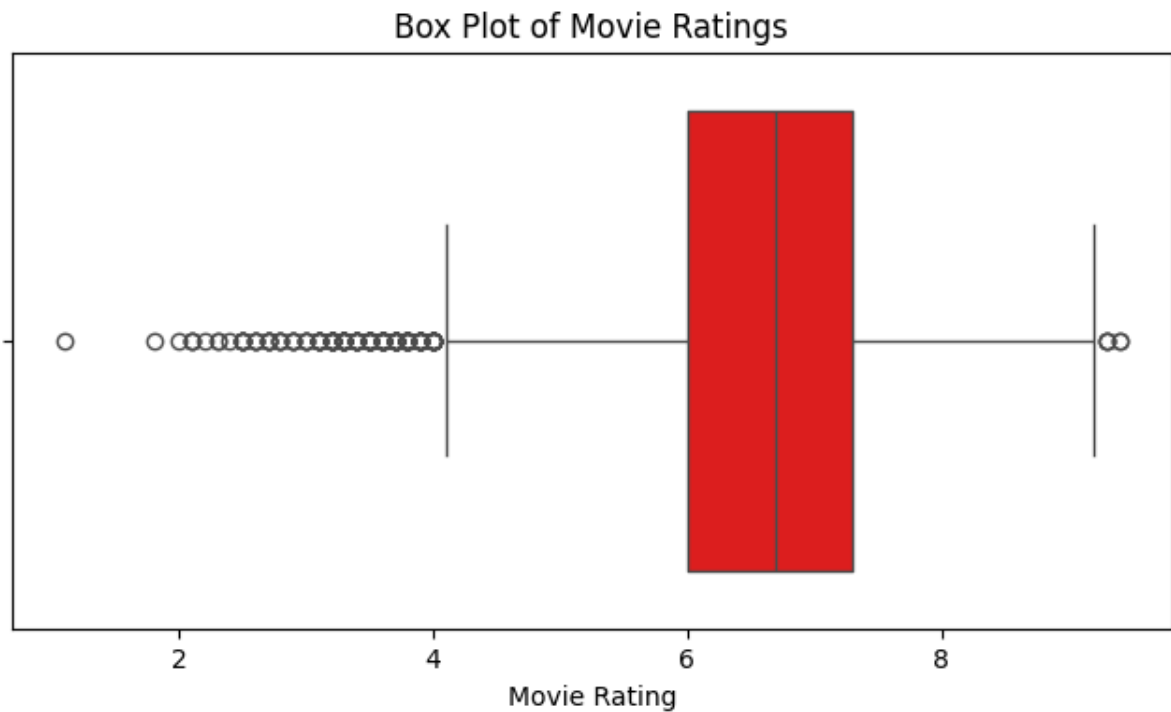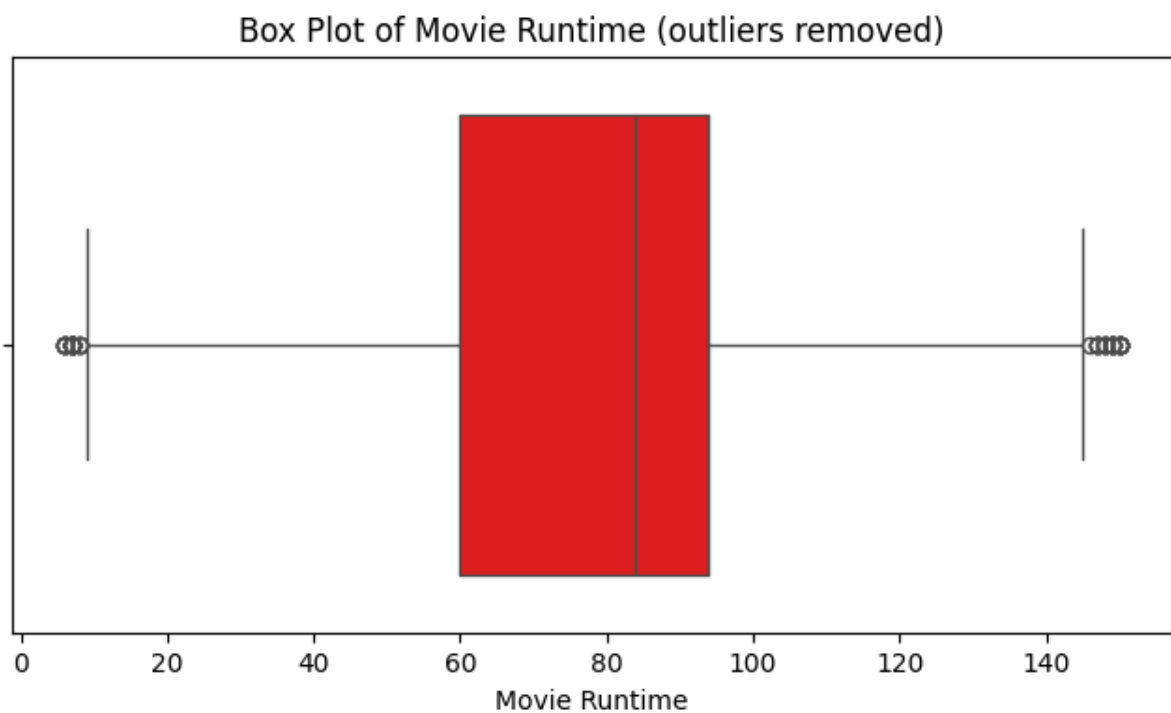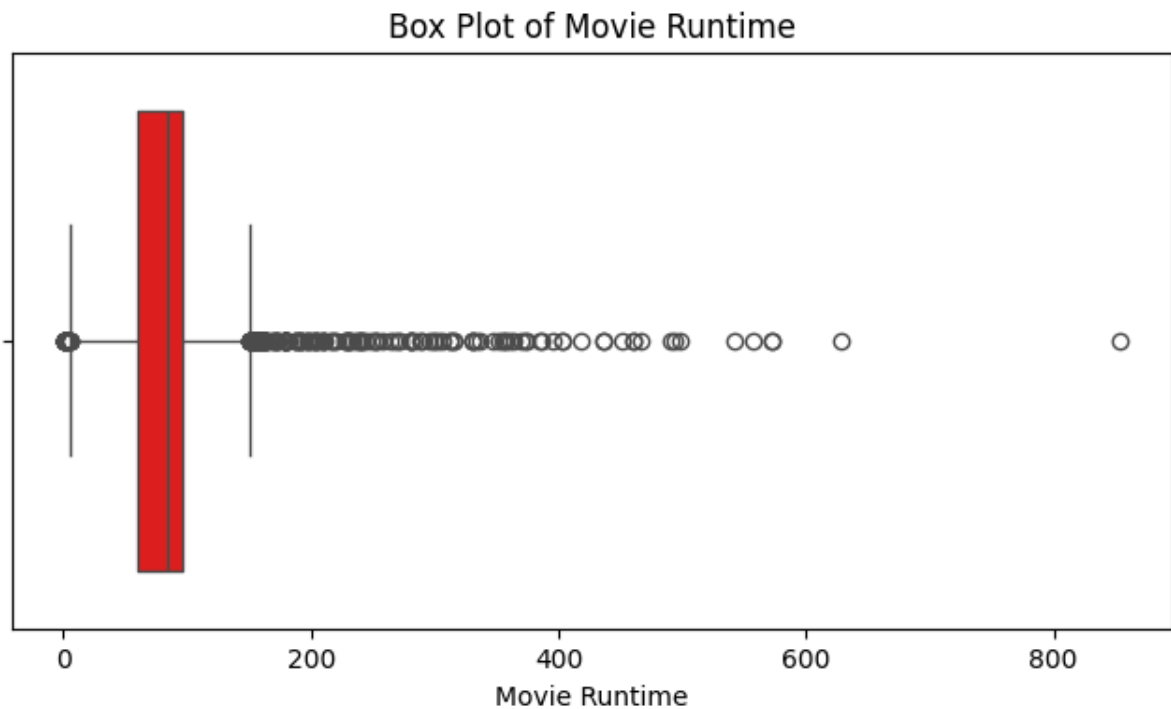
1) Genre

Description:-

Number of unique genres: 28
['action' 'horror' 'thriller' 'animation' 'adventure' 'drama' 'comedy'
 'crime' 'romance' 'mystery' 'fantasy' 'history' 'sci-fi' 'biography'
 'family' 'documentary' 'music' 'sport' 'short' 'game-show' 'reality-tv'

```
 'musical' 'war' 'western' 'film-noir' 'unknown' 'talk-show' 'news']

Top 10 Most Frequent Genres:
 genre
drama          2528
comedy         2009
action         1105
documentary     960
crime           849
animation       846
adventure       794
romance         660
thriller        621
mystery         406
Name: count, dtype: int64

Least Frequent Genres:
 genre
music          170
sport          134
unknown         70
war             48
musical         46
game-show       30
talk-show       30
western         24
news            20
film-noir       11
Name: count, dtype: int64

Genre Frequency Distribution:
 genre
drama          2528
comedy         2009
action         1105
documentary     960
crime           849
animation       846
adventure       794
romance         660
thriller        621
mystery         406
horror          394
fantasy         344
family          334
biography       265
short           212
sci-fi          206
history         197
reality-tv      187
music           170
sport           134
unknown          70
war              48
musical          46
game-show        30
talk-show        30
western          24
news             20
```
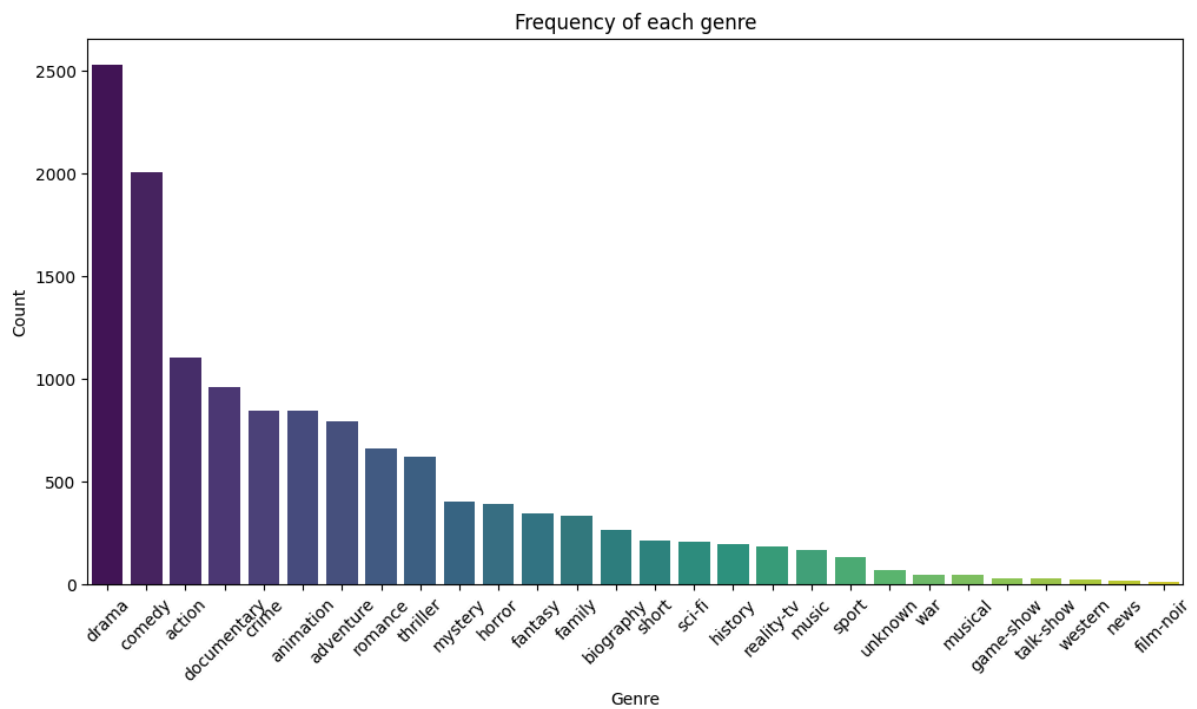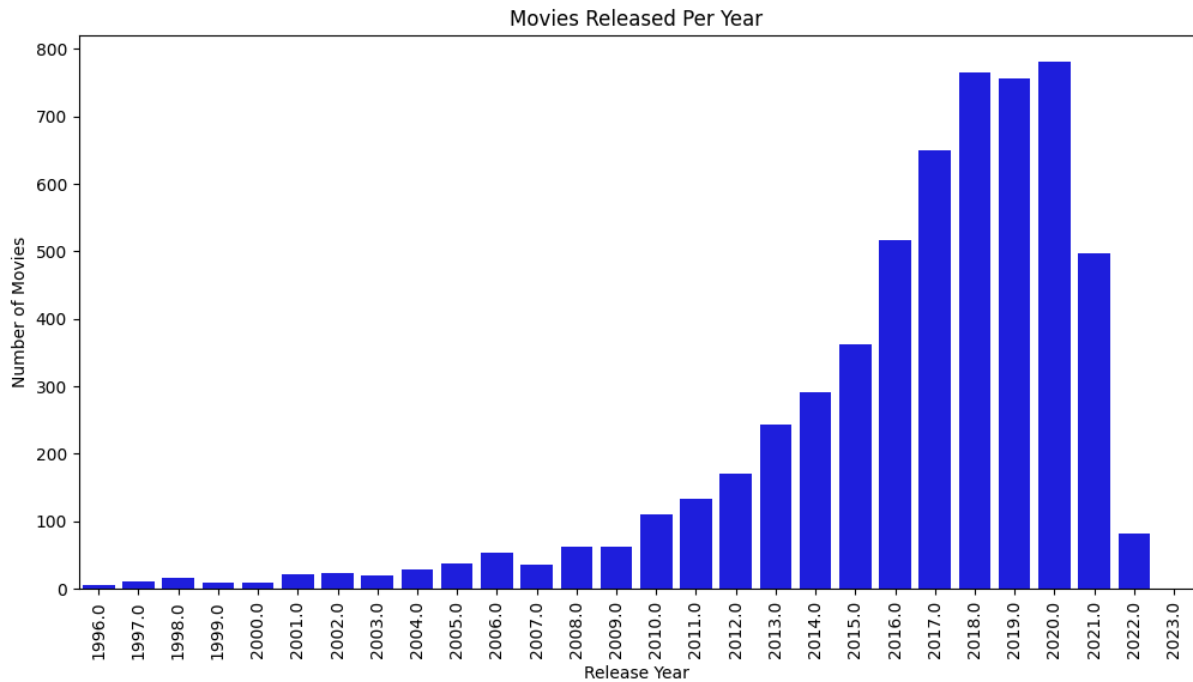
```
film-noir        11
Name: count, dtype: int64
```

Frequency of each genre

2) Year

```
Description:-

count    5911.000000
mean     2015.363390
std         8.274064
min      1932.000000
25%      2014.000000
50%      2017.000000
75%      2019.000000
max      2023.000000
Name: start_year, dtype: float64
```

Movies Released Per Year

3) One-Line Summary

Description:-

```
       one-line_length    word_count
count     6422.000000    6422.000000
mean       149.320305      25.462161
std         57.371059      10.091825
min          3.000000       1.000000
25%        116.000000      19.000000
50%        149.000000      25.000000
75%        202.000000      34.000000
max        421.000000      72.000000
```

3) Ratings

Description:-

```
count    6422.000000
mean        6.704625
std         0.970174
min         4.100000
25%         6.200000
50%         6.700000
75%         7.300000
max         9.200000
Name: rating, dtype: float64
Movies with the Minimum Rating:
                              movies   rating
3305        the secrets of emily blair    4.1
3614                   ang probinsyano    4.1
3629                    made in mexico    4.1
3909          million dollar beach house    4.1
3933                             bucin    4.1
```

```
3948                        sí mi amor, la película      4.1
4030                               yummy mummies      4.1
4146                                    the dorm      4.1
4346                     rebelión de los godínez      4.1
4379                                 1920 london      4.1
4395                                  kill ratio      4.1
4418                            the darkest dawn      4.1
4579                           the lazarus papers      4.1
4960                                    pompidou      4.1
5071                                        etxr      4.1
5157                       alan saldaña: locked up      4.1
5263                              my hotter half      4.1
5475                    hoodrats 2: hoodrat warriors      4.1
5575              ataúd blanco: el juego diabólico      4.1
5641              daemonium: underground soldier      4.1
5682              barbie: happy birthday to you!      4.1
5754                        devil's backbone, texas      4.1
6087  felipe neto: minha vida não faz sentido      4.1
6294                                      a toca      4.1


Movies with the Maximum Rating:
                        movies  rating
3              rick and morty      9.2
913                kota factory      9.2
1681         kotaro lives alone      9.2
3820    cm101mmxi fundamentals      9.2


Skewness: -0.277113167882998
```
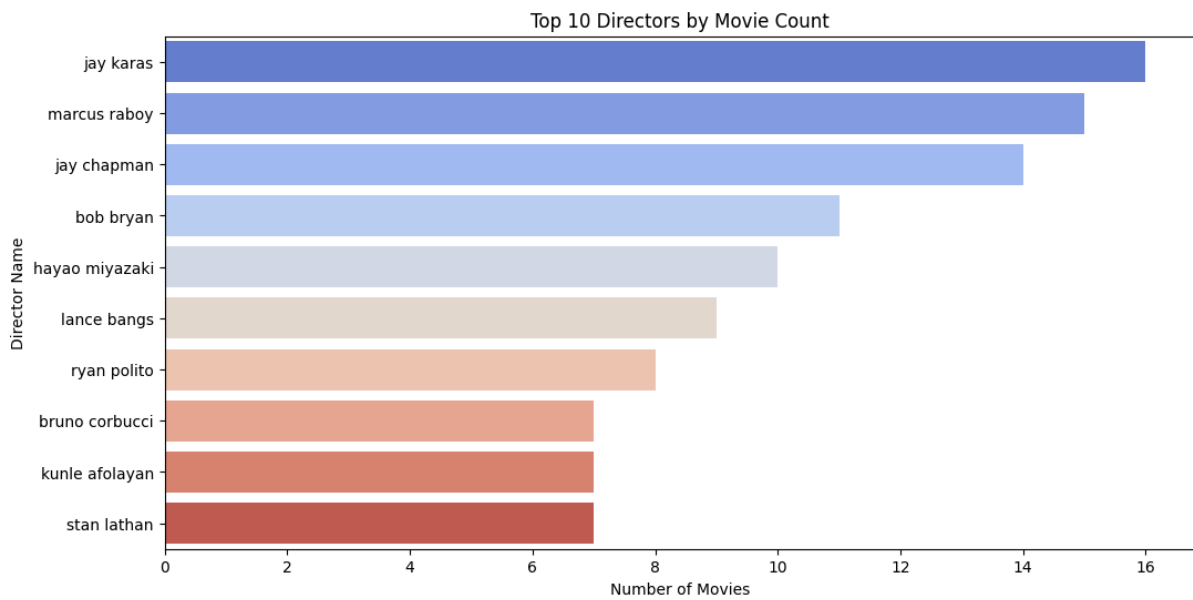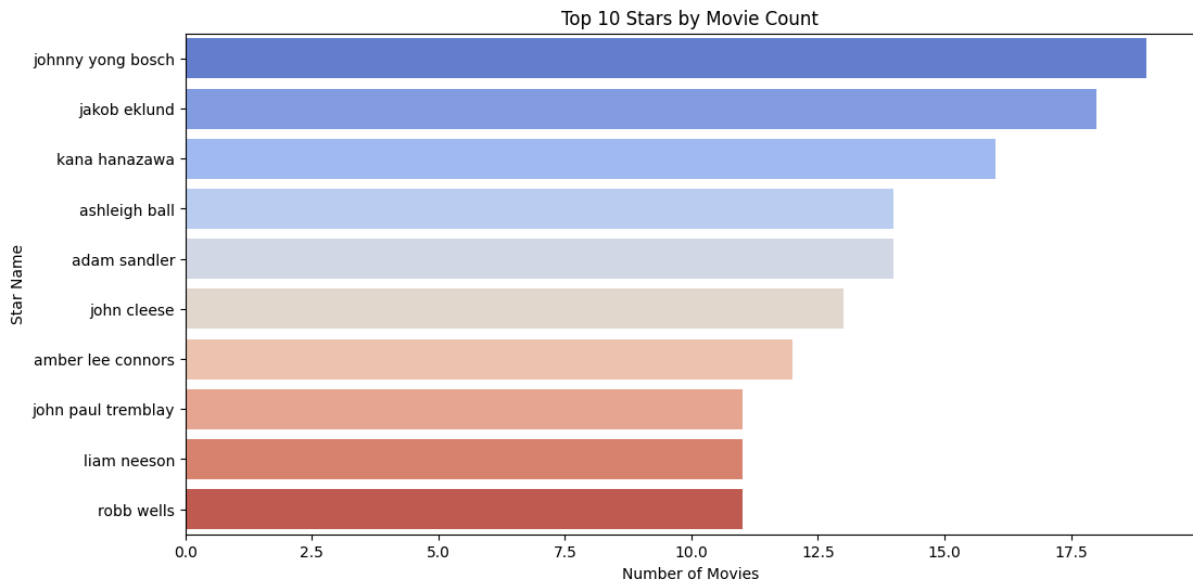
### Distribution of Movie Ratings
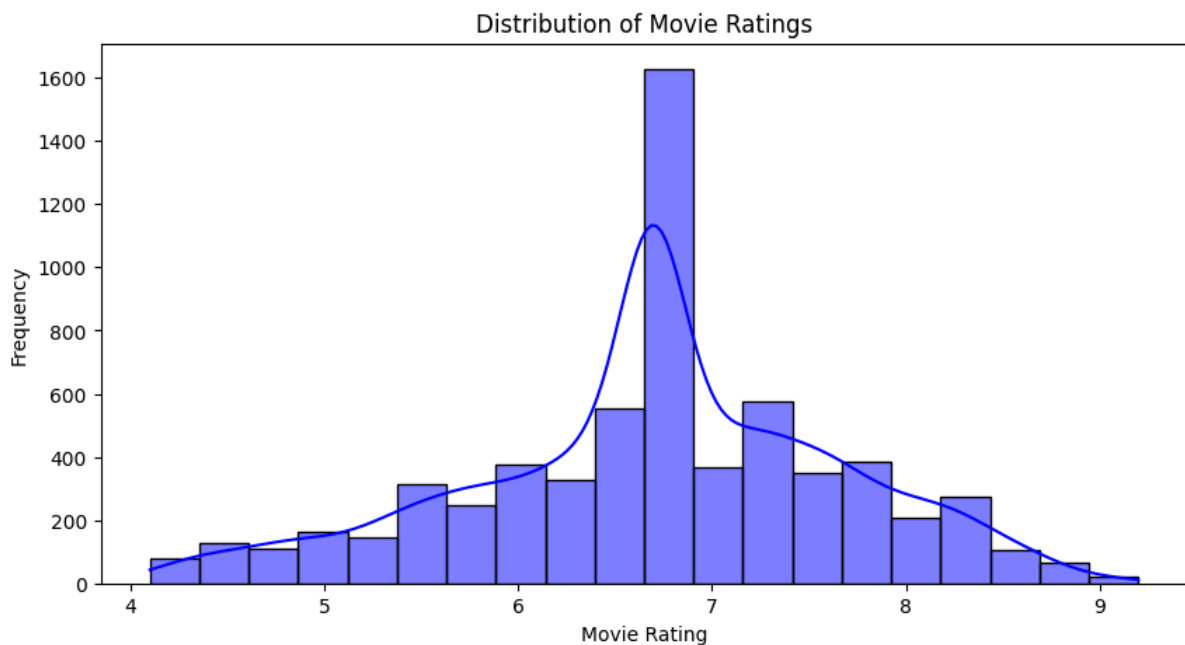
3) Directors and Movie Stars

Description:-

🎬 Director with most movies: jay karas (16 movies)
⭐ Star with most movies: johnny yong bosch (19 movies)

Top 10 Stars by Movie Count

Top 10 Directors by Movie Count

4) Votes

Descrption:-

```
count    4149.000000
mean     2016.906966
std         3.059128
min      2007.000000
25%      2015.000000
50%      2017.000000
75%      2019.000000
max      2023.000000
Name: votes, dtype: float64
```

Distribution of Votes
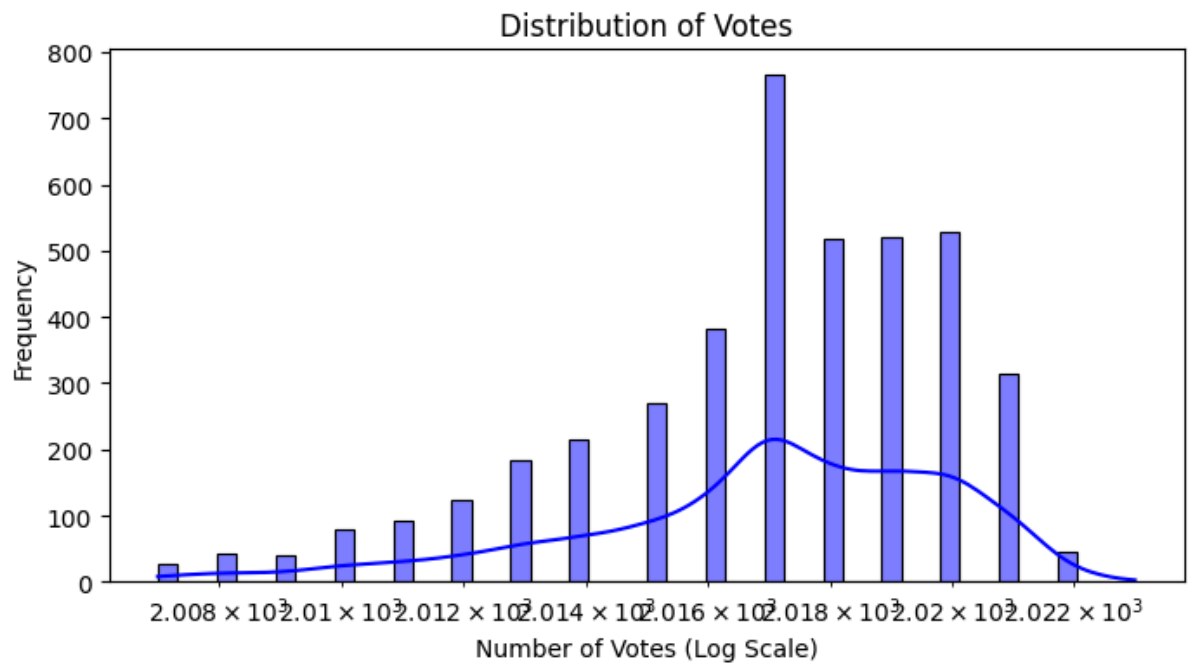
4) Votes

description:-

```
count    6422.000000
mean       77.132513
std        28.796663
min         6.000000
25%        60.000000
50%        84.000000
75%        94.000000
max       150.000000
Name: runtime, dtype: float64
```


Frequency Distribution of Movie Runtimes