Movie Insights for Microsoft.

Introduction

Microsoft wants in on creating original video content. They need to find out what kind of movies are doing the best at the box office and further insights on how they can translate that into their business.

Objectives

1. Identifying the most popular movie genres.

2. Identifying the top rated movie genres.

2. Identifying the top rated movie titles.

3. Identifying the principals and crews associated with the top rated movies

4. Identifying the budgets for the top rated movies.

Requirements

1. Load the data using Pandas

We will create the data frames to represent our CSV files.

2. Data Cleaning

For each objective we will perform data cleaning on the data frames.

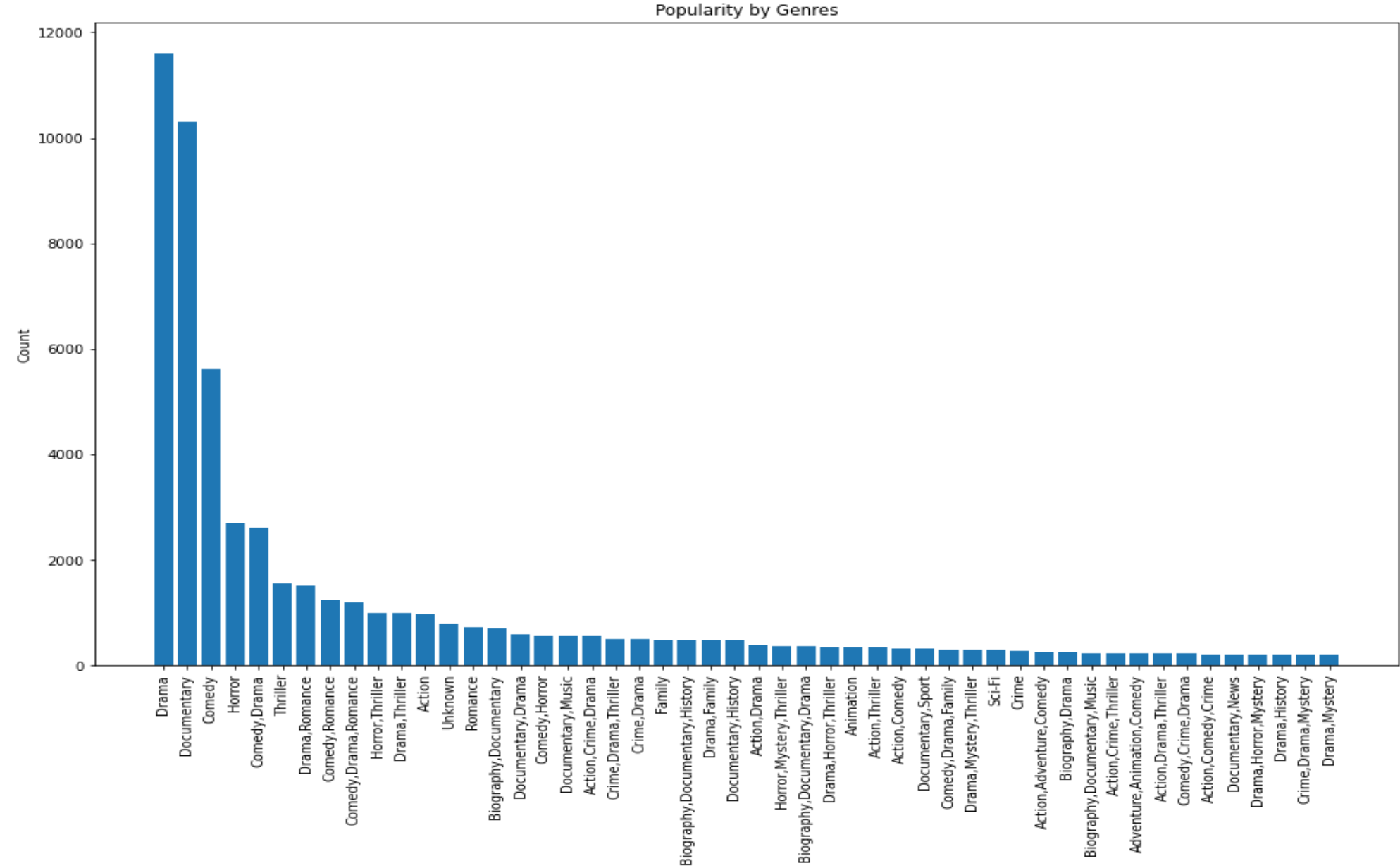Identifying and handling; missing values, erroneous values and duplicates.

3. Data Aggregation

Again for each objective we will combine the necessary data frames.

4. Conclusion

We will generate conclusions from our visualizations.
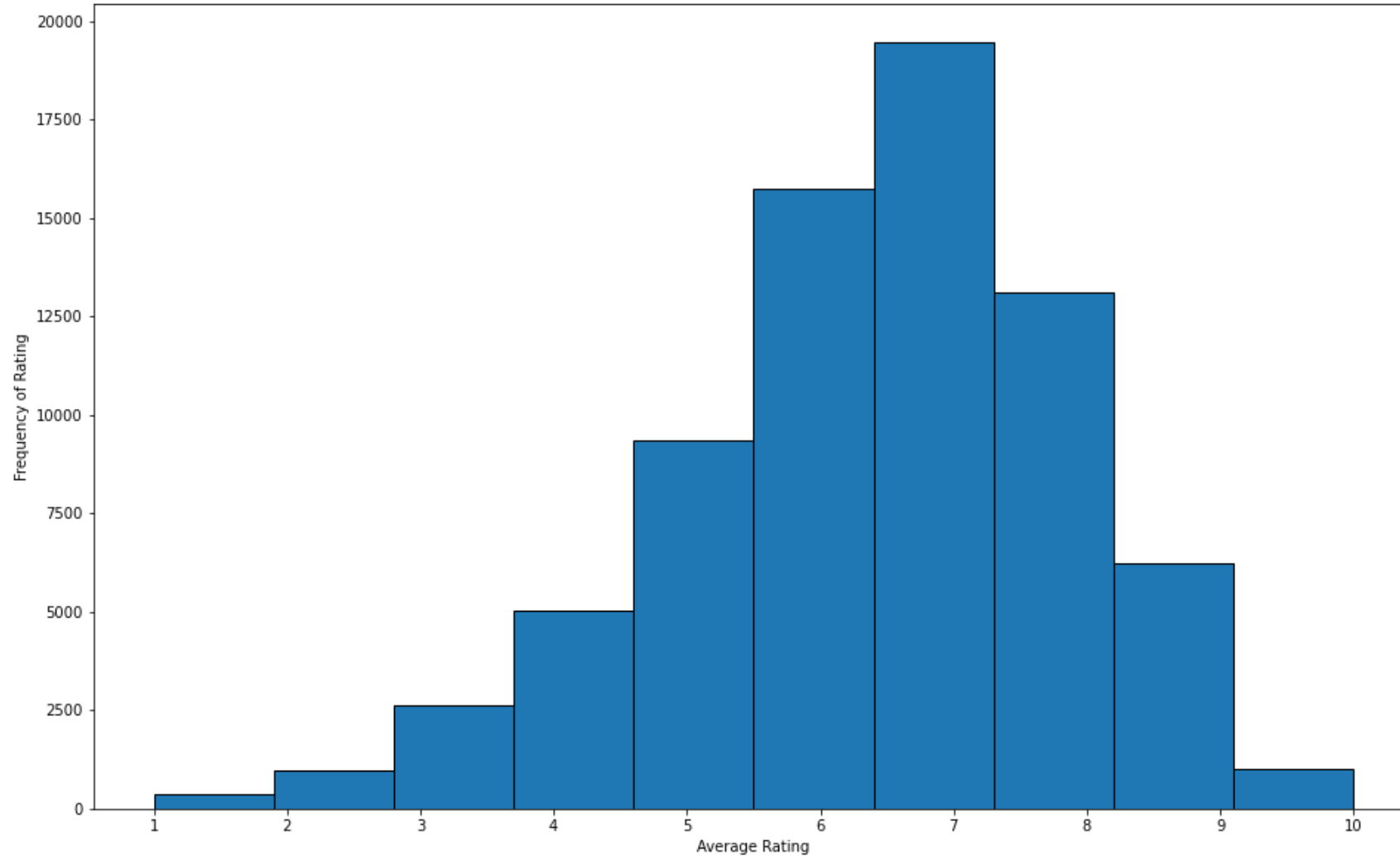
Popular Movie Genres

Popularity by Genres

The most popular genres consist of:
1. Drama
2. Documentary
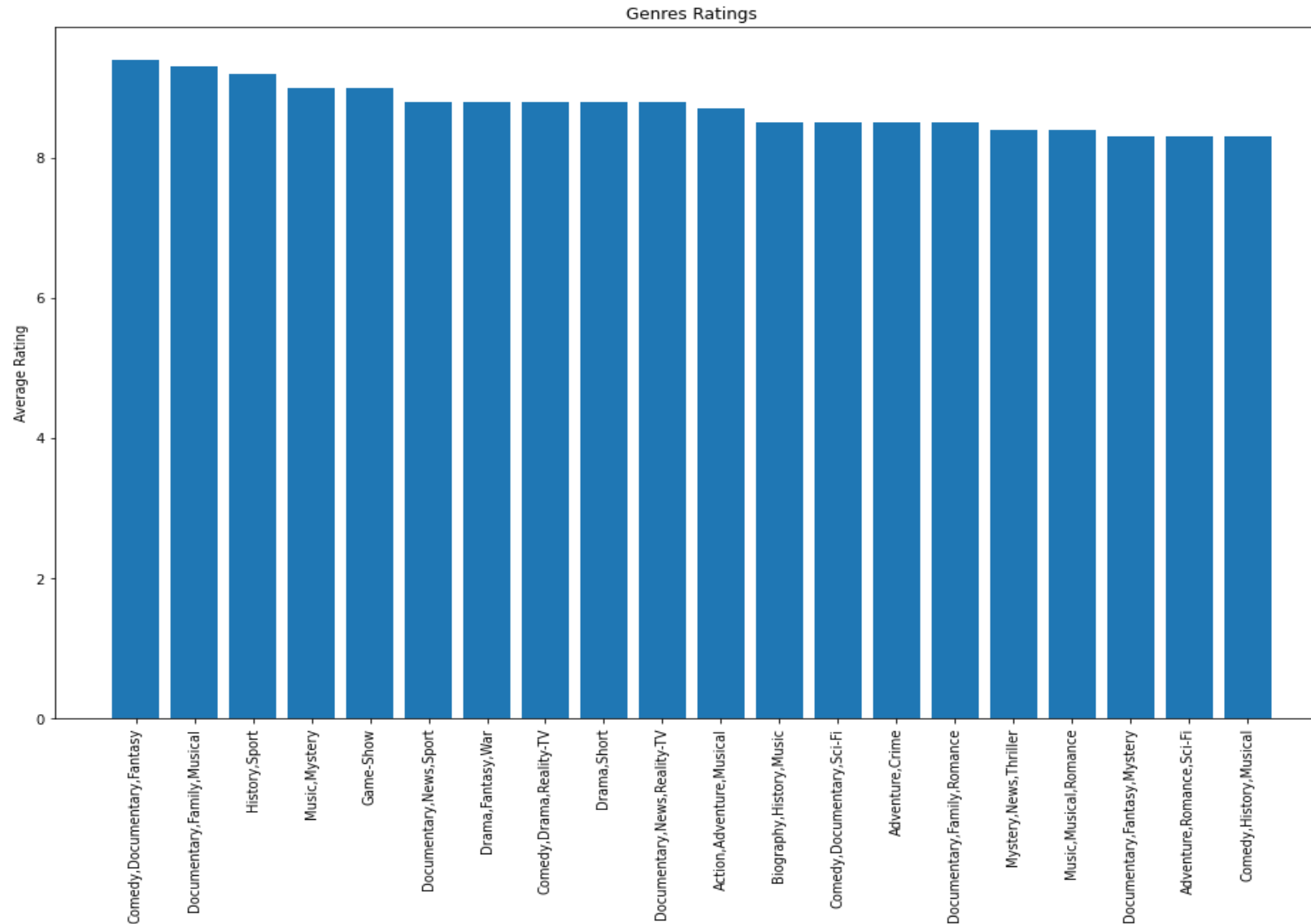3. Comedy
4. Horror
5. Comedy, Drama

This can provide a hint of some of the genres to consider producing.

Popular Ratings

Most ratings range between 6 and 8. Therefore when considering the minimum rating we could use movies with a minimum rating of 7.
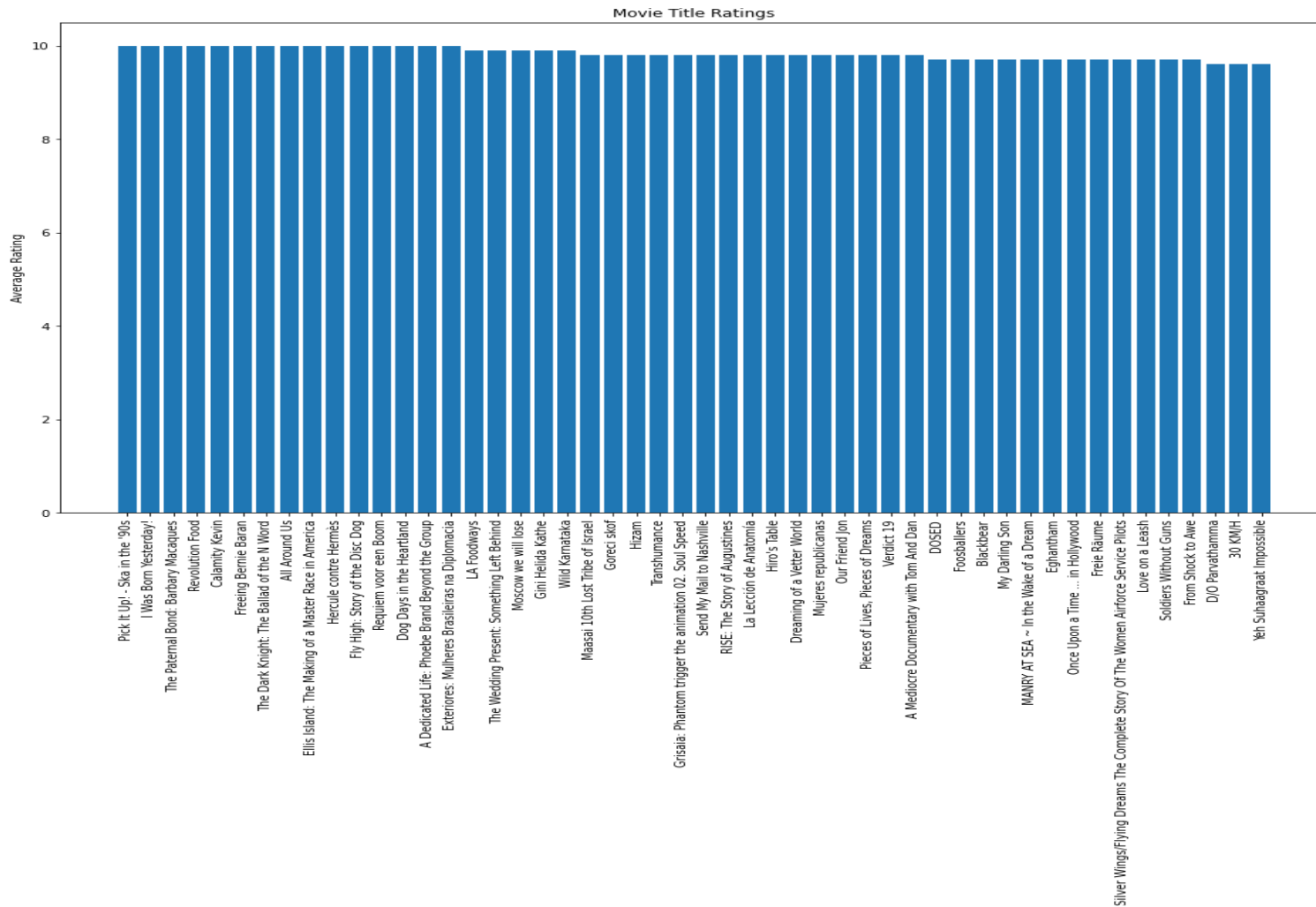
Top Rated Movie Genres

The mixed genres seem to have the highest mean rating. Mixed genres to consider:
1. Comedy, Documentary, Fantasy
2. Documentary, Family, Musical
3. History, Sport
4. Music, Mystery
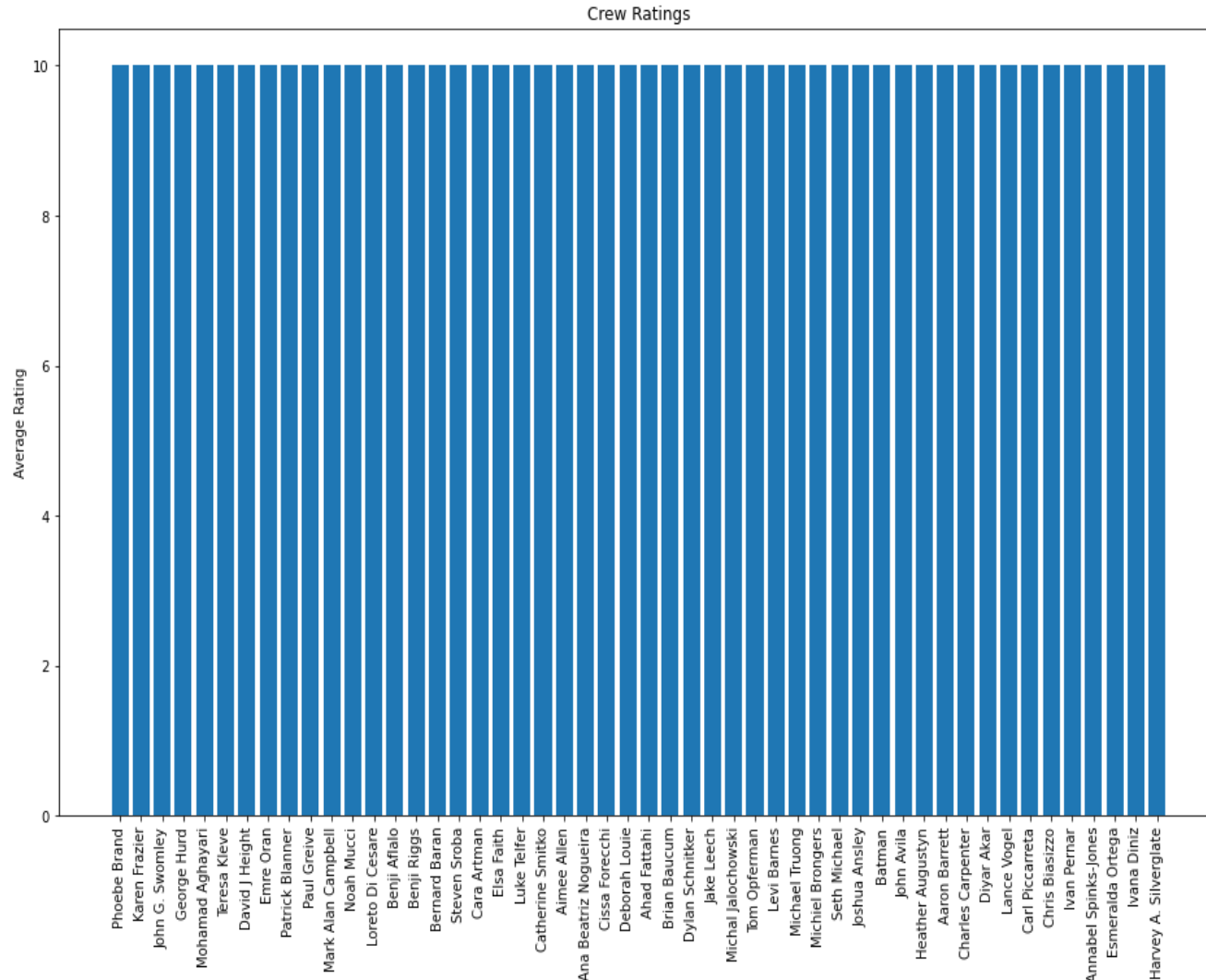5. Game-Show
6. Documentary, News, Sport

Top Rated Movie Titles

Movie Title Ratings

Top rated movies go by the following names:
1. Pick It Up! – Ska in the 90's
2. I Was Born Yesterday!
3. The Paternal Bond: Barbary Macaques
4. Revolution Food
5. Calamity Kevin
6. Freeing Bernie Baran
7. The Dark Knight: The Ballad of the N word.
8. All Around Us
9. Ellis Island
10. Hercule contre Herme`s

Principals and crew associated with the top rated movies

Crew Ratings

These shows the people associated with the top ratings either as actors, directors, writers or producers. They are people to consider adding to the team.

1. Phoebe Brand
2. Karen Frazier
3. John G. Swomley
4. George Hurd
5. Mohamad Aghayari
6. Teresa Kleve
7. David J Height
8. Emre Oran
9. Patrick Blanner
10. Paul Greive