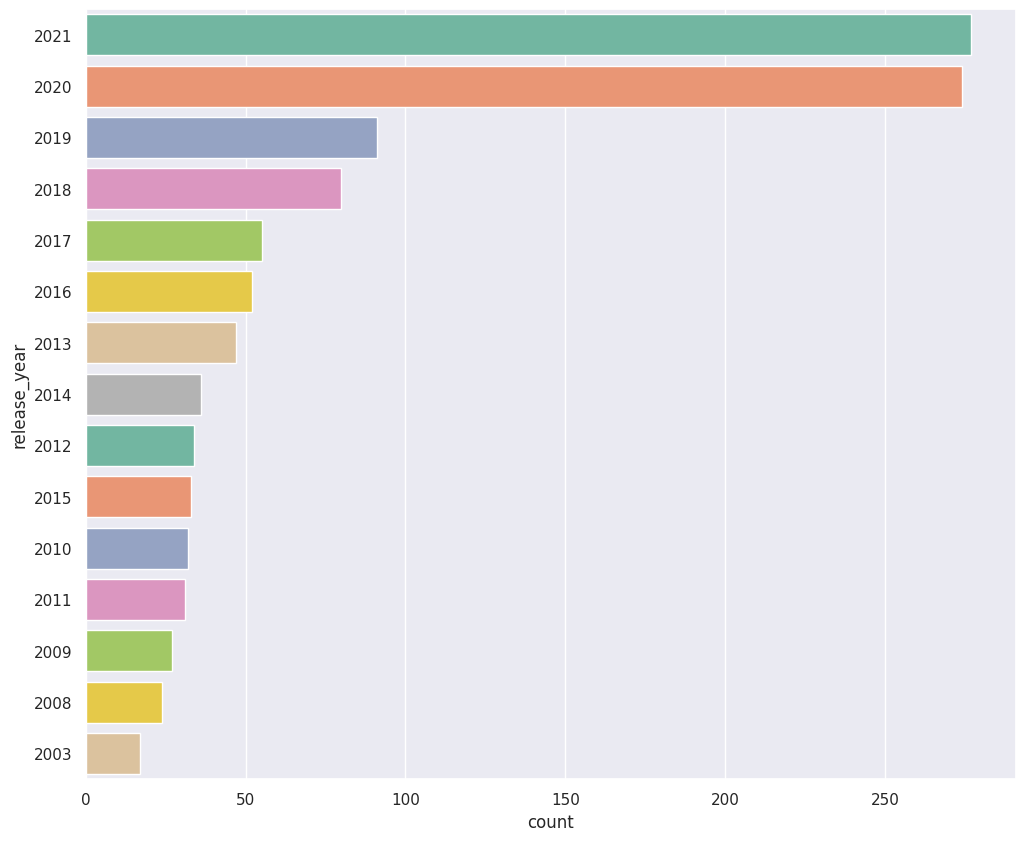
# **Netflix Recommendation System (Revised)**

Motivation:-

The motivation for this project is different age groups and their preferences. Netflix collected data from various users about their preferences and they observed that most people prefer to watch movies based on their moods. But some users are family guys, they can't see the movies they wish for because of kids in the house so our project mostly helps people to watch movies they prefer. In this project, we have created an algorithm to sort Movies and TV Shows based on some filter. The motivation behind this project is the search task and filter options in various online shopping applications. We are planning to add filters to our data set to classify them.



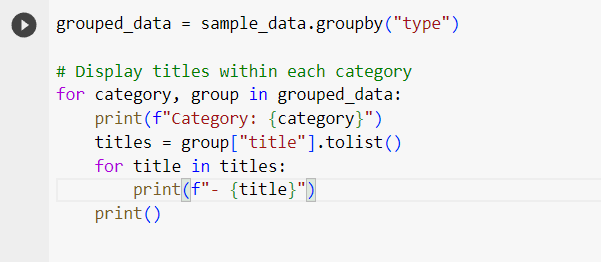
Release Year

Performance:-

We tried to perform basic operations of filtration to make a user-friendly interface that is easy to understand and shows the best results based on the search and filters that we have used. The earlier interface of streaming websites shows results based on either search or category. If a person wants to see new movies or shows then there is no such option of filtering. We have filtered our data based on the length or duration of the movie. We also tried to classify it based on ratings. Our model still needs updates and modifications to form a perfect operating system.



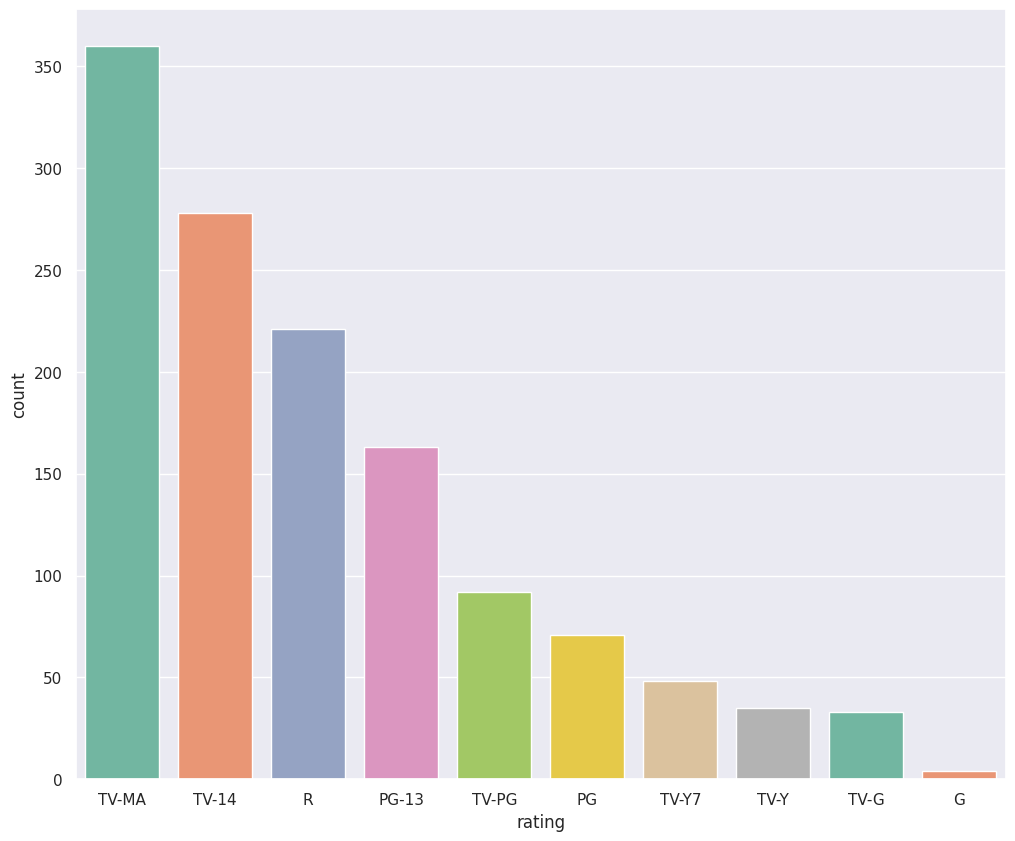
It was easy to gather the data that was pre-existing on Kaggle and perform operations. The basic need for training our model was to first train it, we performed the task using a mini data set of 2000 entities which had 13 different columns or attributes like cast, director, year of release, country released, etc. Our main task was to differentiate movies and TV series from the data set, which was done using list code (to separate movies and TV Shows)



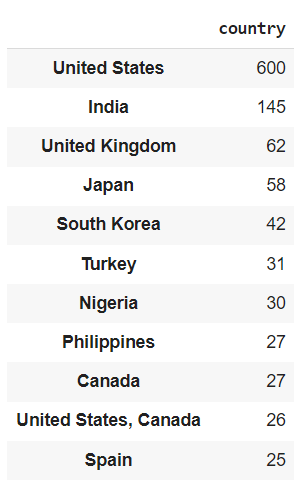
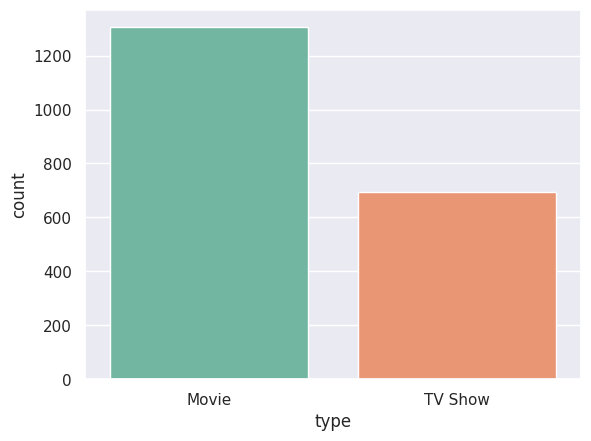
Data Pre-Processing:-

Our main task to separate the data set was resolved but now we needed to store the dataset somewhere, we stored the data in our local files by giving them separate names as moves and TV shows to distinguish them while performing future operations.

The stored data was now to be processed, we processed it by their types, rating, country, and release date. The data which was of 7823 entities was changed to 2000 to save time, now these 2000 data points are read and the following results were obtained.



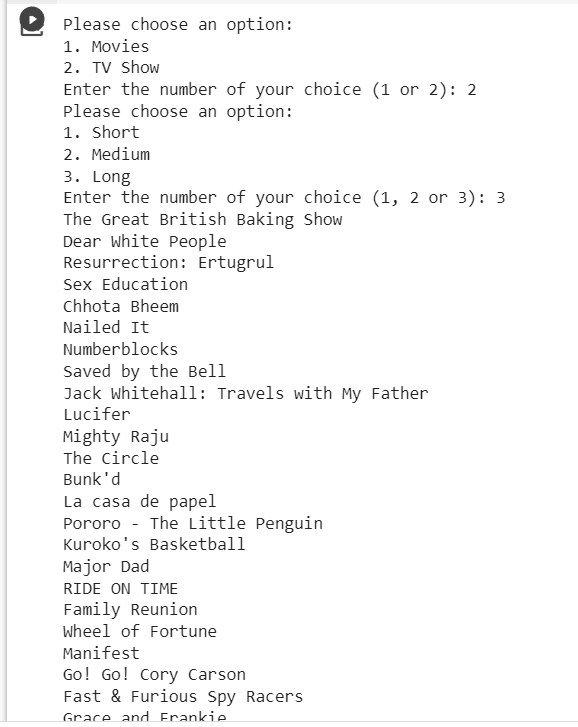
Ratings of Movies and Shows



Movie and TV Show count Country Count

Output Window:-

The classification was successful after many attempts but due to various data in ratings we were not able to do more better classification. The scope for improvement is still there if we can add more filters in our output window like the rating, language, etc. We are hoping that someone will carry on the project and improve the classification system and will be able to add filters for the people who don't know what they want to watch. Let's make our entertainment as easy as browsing a product to fit our choice even when we don't know what to buy or watch.



Output Window

##REFERENCES

1. <https://www.kaggle.com/code/sukhdeepk/netflix-dataset-eda>
2. <https://colab.research.google.com/drive/1K3ulb8EydtEN9Lx7YgIXwBbetCoBsgho#scrollTo=E8bF-_riQBV9>
3. Chat GPT
4. <https://github.com/Ashishnain2004/ClassificationOfNetflixData>