NETFLIX MOVIE RECOMMENDATION SYSTEM

Background

My project will be the Netflix movies and TV Show dataset, Netflix is an application that keeps growing exponentially whole around the world and it is the most famous streaming platform. It given a large number of movies and series available on the platform, it is a perfect opportunity to flex our data manipulation skills and dive into the entertainment industry.

The goal of this project was to Recommends content based on movie description. Here I would recommend Movie based on Movie titles only. Similar movies would have similar names thus having a high cosine similarity. Then the movies that are most likely to be similar are recommended.

I generates TF-IDF matrix and finds cosine similarity of each movie with other movies and displays top 10 similar movies, and to analysis and visualization of content is available in different countries, analysis of Actors / Directors and find interesting insights.

Dataset:

I used TV Shows and Movies listed on the Netflix dataset from Kaggle. The dataset consists of TV Shows and

Movies available on Netflix as from 2011 to 2021. The dataset contains 8800 rows and 12 features.

Tools:

- jupyter notebook
- Numpy and Pandas for data manipulation
- Matplotlib and Seaborn for plotting
- TF-IDF

Methods:

- Content-based recommenders: suggest similar items based on a particular item.

Objectives

- Understanding what content is available in different countries
- Analysis of Actors / Directors and find interesting insights
- Does Netflix has more focus on TV Shows than movies in recent years?
- Discover if Netflix’s movies are getting shorter over time
- Recommend top ten based on the one Movie

Scope

I will helping companies and filmmakers to take an insight into their customers and movies

And to help grow the business with new members and improve their movies , and help users to find or recommend top five based on the one Movie.