

Netflix-Recommendation-Engine

Introduction:

For the purpose of this Project we will be creating one such Recommendation Engine from the ground-up, where every single user, based on there area of interest and ratings, would be recommended a list of movies that are best suited for them

Objectives:

1. Find out the list of most popular and liked genre
2. Create Model that finds the best suited Movie for one user in every genre.
3. Find what Genre Movies have received the best and worst ratings based on User Rating.

Dataset Information:

The dataset contains the following columns:

1. ID: Contains separate keys for customers and movies.
2. Rating: Represents user ratings for all movies.
3. Genre: Highlights the category of the movie.
4. Movie Name: Name of the movie corresponding to the movie ID.

To get started with the Netflix Recommendation Engine project, I followed these steps:

1. Download the Dataset: Obtain the Netflix dataset containing customer ratings and movie information.
2. Data Preprocessing: Clean and preprocess the dataset, handling missing values and encoding categorical variables if necessary.
3. Exploratory Data Analysis (EDA): Perform exploratory data analysis to gain insights into the dataset, understand user preferences, and identify patterns.

4. Model Development: Implement recommendation algorithms such as collaborative filtering, content-based filtering, or hybrid approaches using machine learning libraries like scikit-learn.
5. Model Evaluation: Evaluate the performance of the recommendation models using appropriate evaluation metrics and techniques.

References:

Kaggle, ChatGPT, Google