Movie Recommender Engine

Dataset:

The MovieLens datasets (http://movielens.org, a movie recommendation service) are curated by a research group at the University of Minnesota (https://grouplens.org/datasets/movielens/). I have used the small dataset that consists of 100004 ratings and 1296 tag applications across 9125 movies. These data were created by 671 users between January 09, 1995 and October 16, 2016. This dataset was generated on October 17, 2016.

Description:

I have developed a small content-based recommendation system. Here I have developed a movie recommender engine that will create a profile of a user with ID 67 and then match 10 randomly selected movies to the user’s profile; the top 5 movies will be suggested to the user as possible movies to watch.

Once we have constructed the user’s profile, and 10 movie profiles, we will use the cosine similarity metric to get the similarity between the user and each of the movies. we will then output the top 5 movies with the highest similarity that match the user’s profile.