

Movie Recommendation System

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Problem Statement

- 1)
 - a) To determine similarities among movies
 - b) To determine similarities among users
- 2) To recommend a new movie to the current user, based on viewing/rating history of similar users
- 3) To recommend a new movie based on the current user's search query

Prospective Ideas

- 1) Collaborative filtering
 - Nearest Neighbor matching
 - Dimensionality reduction
- 2) Content based filtering
 - To explore further
- 3) Clustering based search

Dataset

Most likely datasets we will use are

a) <https://grouplens.org/datasets/movielens/100k/>

[MovieLens 100K Dataset]

b) <https://www.kaggle.com/netflix-inc/netflix-prize-data>

[Netflix Prize Data]

Evaluation Metrics

- To calculate the RMSE between the predicted movie rating and the actual rating

Contributions

- An attempt to create a hybrid movie recommendation system.

Questions?
Thank You