

Data Source

I used the tmdb-movie data to build movie recommendation system.

Method

Demographic Filtering

Pros: easy to understand and realize

Cons: this method provide a general chart of recommended movies to all the users. They are not sensitive to the interests and tastes of a particular user.

Content Based Filtering (plot description based)

Pros: can recommend movies that have similar plot.

Cons: just use one feature to build recommendation

Content Based Filtering (Credits, Genres and Keywords based)

Pros: add more information(actors, director.....) to build recommendation

Cons: It is only capable of suggesting movies which are close to a certain movie. That is, it is not capable of capturing tastes and providing recommendations across genres.

Also, the engine that we built is not really personal in that it doesn't capture the personal tastes and biases of a user

Findings

I think content based filtering is worth applying, since it can recommend movies that are similar to each other and it is useful. Also we can find other dataset including users' rating for movies and build an recommendation system related to user.