MSiA 423: Project Charter

Wenjing Yang

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Vision:

Build a movie recommender system to suggest movies for users of MovieLens. Users can get better experience if they can be recommended with good movies, and thus the website can maintain, and even expand its popularity.

Mission:

Using the dataset from Kaggle, we are trying to build a simple recommender system to suggest movies for MovieLens’ users. The algorithm will be applied to this recommender is collaborative filtering, which provides movie suggestions based on user similarities. In order to achieve the functionality, the user-input page will ask for a list of movies with rating scaled from 1.0 to 5.0, and the collaborative filtering can work according to the given information.

Success Criteria:

This recommender system can be evaluated by its performance (the level of user’s satisfaction) in providing movie suggestions. Because it is hard to quantify one’s feelings, we can also use Root Mean Sqaure Error (RMSE) as the success criteria.

Data Source:

https://www.kaggle.com/rounakbanik/the-movies-dataset/data