1.

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2.

Our free topic is a movie recommendation system. It is important because movie likers can use this technique to find friends with similar movie preferences and more movies to watch. If two people have watched many movies in common, we can use collaborative filtering based on similarities to give them movie recommendations. We will use MySQL database to store user information and their preferred movie. We will probably use IMDB to get a movie list. Our expected outcome will be a platform that provides people with movie recommendations based on their preferences. We will evaluate the similarity between the recommended movies and their original watched movies.

3.

Javascript, Python, SQL

4.

Scraping movie list data from IMDB. 8h

Create schemas in the database in MySQL and connect them to our backend code. 12h

Design and implement algorithm for movie recommendation. 10h

Build a frontend interface to take in user input and show the results. 10h

Evaluate recommendation algorithm 6h

Improve recommendation algorithm based on evaluation 10h

Peer reviewed 4h

Total: 60h