

Python Recommendation System

Problem Statement:

You are a Data Scientist at XYZ Corporation. Their customers are asking for a movie recommender system. Your task is to build a movie recommender system out of an existing movie and user rating data. The system should be able to take users movie ratings as input and provide movie recommendation based on those ratings.

You have been asked to:

1. Read the data given in both ratings and movies files.
2. Merge those datasets into one.
3. Extract columns with useful information.
4. Generate a pivot table.
5. Perform data cleaning by dropping users with less than 10 reviews.
6. Create a correlation matrix
7. Get user input by getting movie names and ratings from user.
8. Generate Recommendations based on user preferences and correlation matrix that the user provides.