

Action Plan for the Recommendation System Project

Project Goal

Build a recommendation system for the MovieLens dataset using collaborative, content-based, or hybrid methods.

Data Acquisition

Obtain the MovieLens dataset from official sources.

Environment Setup

Python with Pandas, NumPy, Surprise, or recommenderlab in R.

EDA & Preprocessing

Analyze user-item interactions, rating distributions, and sparsity. Prepare data for chosen algorithm.

Modeling

Implement and evaluate the chosen recommendation approach using precision, recall, or RMSE.