

Abstract

Film is a popular form of entertainment, but the challenge lies in finding content that matches the preferences among millions of film titles that keep increasing every year. Dealing with this abundance of choices can be complicated and time-consuming for users. Therefore, a recommendation system becomes invaluable in tackling this situation. A recommendation system enables users to easily discover films that align with their interests and preferences. By employing specific technologies and algorithms, the recommendation system can analyze user data, such as viewing history, and present relevant recommendations based on this information. In this context, users can effortlessly find appealing films without facing the difficulty of sifting through numerous titles. With the aid of the recommendation system, the film-watching experience can become more enjoyable and efficient. As a result, this research built a Film recommendation system using user-based collaborative filtering and k nearest neighbor (KNN) method. The accuracy was measured using the Mean Absolute Error (MAE) method, and the obtained accuracy was MAE of 0.7634. Keywords: Recommender System, user based collaborative filtering, KNN.