

Anime Recommendation System

Context: To recommend anime of interest to users, both existing and new.

Problem Statement: Building a recommendation system that will show relevant interest information to users is more important to any business. In particular, for an online business portal, it is important to show them what they would probably be liking to retain their business with you. The anime recommendation system is intended to show the top 10 anime of interest to an existing user based on their previous interests or based on other similar users and for a new user based on similar users interest. The channel with the better recommendation system will be more probable to become popular, thereby increasing the subscription count to the channel.

Scope of solution space: We will be using the dataset available in the kaggle website to see how effective the recommendation system works, this can be later extended to more anime whose information can be eventually scraped from the anime website.

Constraints: The dataset is what has been available in the kaggle website. We can collect more data by scraping more html pages from this website. So the system will be limited to the data that we are working with.

Stakeholders: Producers and directors of Anime, the authors of the Anime, the Anime Website and the users(viewers/subscribers).

Dataset:

<https://www.kaggle.com/datasets/hernan4444/anime-recommendation-database-2020/code>
The data files have been scraped from <https://myanimelist.net/>

The dataset contains information about over 17000 anime and over 325K user preferences.

Anime - Unique ID, Name of the anime in English and Japanese, Avg Score given by all the users, Genre, Type, Number of Episodes, Broadcasted date, PG rating info, its Popularity, Number of people Watched, Completed, Kept-onhold, and Dropped watching and some more.

Rating - contains anime id, user id and the rating.

Animelist - stores the watching status and number of episodes watched in an anime by each user.