Sprint-1 Artifact

Members: Michelle Chu, James Ooi, Jeng-Rung Tu, Karsten Widjanarko, Yuteng Wu

Database:
- MyAnimeList Data, Information about 17.562 anime and the preference from 325.772 different users
- https://www.kaggle.com/hernan4444/anime-recommendation-database-2020
- Size: 2.87 GB
- Files: 5

Known Data:
- user_id: non identifiable randomly generated user id.
- anime_id: - MyAnimelist ID of the anime that this user has rated.
- rating: rating that this user has assigned.
- anime.csv contains general information of every anime (17.562 different anime) like genre, stats, studio, etc. This file have the following columns:
- MAL_ID: MyAnimelist ID of the anime. (e.g. 1)
- Name: full name of the anime. (e.g. Cowboy Bebop)
- Score: average score of the anime given from all users in MyAnimelist database. (e.g. 8.78)
- Genres: comma separated list of genres for this anime. (e.g. Action, Adventure, Comedy, Drama, Sci-Fi, Space)
- English name: full name in English of the anime. (e.g. Cowboy Bebop)
- Japanese name: full name in Japanese of the anime. (e.g. カウボーイビバップ)
- Type: TV, movie, OVA, etc. (e.g. TV)
- Episodes': number of chapters. (e.g. 26)
- Aired: broadcast date. (e.g. Apr 3, 1998 to Apr 24, 1999)
- Premiered: season premiere. (e.g. Spring 1998)
- Producers: comma separated list of producers (e.g. Bandai Visual)
- Licensors: comma separated list of licensors (e.g. Funimation, Bandai Entertainment)
- Studios: comma separated list of studios (e.g. Sunrise)
- Source: Manga, Light novel, Book, etc. (e.g Original)
- Duration: duration of the anime per episode (e.g 24 min. per ep.)
- Rating: age rate (e.g. R - 17+ (violence & profanity))
- Ranked: position based on the score. (e.g 28)
- Popularity: position based on the number of users who have added the anime to their list. (e.g 39)
- Members: number of community members that are in this anime's "group". (e.g. 1251960)
- Favorites: number of users who have the anime as "favorites". (e.g. 61,971)
- Watching: number of users who are watching the anime. (e.g. 105808)
- Completed: number of users who have completed the anime. (e.g. 718161)
- On-Hold: number of users who have the anime on Hold. (e.g. 71513)

- Dropped: number of users who have dropped the anime. (e.g. 26678)
- Plan to Watch': number of users who plan to watch the anime. (e.g. 329800)
- Score-10': number of users who scored 10. (e.g. 229170)
- Score-9': number of users who scored 9. (e.g. 182126)
- Score-8': number of users who scored 8. (e.g. 131625)
- Score-7': number of users who scored 7. (e.g. 62330)
- Score-6': number of users who scored 6. (e.g. 20688)
- Score-5': number of users who scored 5. (e.g. 8904)
- Score-4': number of users who scored 4. (e.g. 3184)
- Score-3': number of users who scored 3. (e.g. 1357)
- Score-2': number of users who scored 2. (e.g. 741)
- Score-1': number of users who scored 1. (e.g. 1580)

Platform:
- Web Application

Programming Languages
- Python
- CSS
- HTML
- JavaScript

Frameworks:
- Django (Python Rest API Framework)
- React/NodeJS (Front-End Framework)
- Material-UI

Features List:
- Which anime is the most popular in a genre?
- What is the average duration for top anime in a given genre?
- Which anime has the highest completion rate for every genre?
- What are the top 3 highest average scoring anime for every studio?
- What are the top 10 highest average scoring anime from each respective type (TV, OVA, Movie, etc.)?
- What are the top animes in a given rating?