SMU Data Analytics

Group 1: Betzy, Thi, Saatvi, Alfred

November 17, 2021

Project Four: Anime Recommender

Topic: Anime

Objective: Recommending to user anime based on user's input. This would be derived on rating, popularity, length, genre, etc.

Data Source:

Our data source will be coming from MyAnimeList Database 2020 . It will be providing us with information needed, including but not limited to; the anime, its sub-genre, the score, source, etc. It will be used to create a machine learning model that will recommend anime based on the information provided by the dataset. Tableau will be used to create the visualization dashboard in conjunction with this data.

https://www.kaggle.com/hernan4444/anime-recommendation-database-2020?select=anime.csv

Inspiration: We all really like anime, and we wanted to work on a project that not only showcased the skills we have learned in this class but also mixed with something we really liked.

Tableau inspiration:

Introducing Naruto! | Tableau Public

Anime Analytics through Studios | Tableau Public

anime | Tableau Public

Machine Learning Recommendation Methods:

Supervised Learning - Based on user and anime having rating as target feature

Unsupervised Learning - KNN method using Name, Score, Genders, Type, Episodes, Premiered, Studios, Source, Rating, Members as features

Kaggle Links:

https://www.kaggle.com/hernan4444/anime-content-collaborative-knn

https://www.kaggle.com/chaitanya99/recommendation-system-cf-anime

Color scheme: Yellow/Orange, Blue- they are the major colors for several classic anime for example: Naruto, Pokemon, Sailor Moon, Doraemon, Fullmetal Alchemist, DBZ ect.

Roles:

- Tableau- Thi and Saatvi

- Machine Learning- Betzy and Alfred
- HTML- Betzy
- PP- All
- Final write-up- All

GitHub Link:

https://github.com/alfcus/SMU_PROJECT_4_ANIME