

ANIME RECOMMENDER APP PRESENTATION

INTRODUCTION

Streaming platforms host a vast library of anime titles, each with its own audience and ratings. However, viewers often struggle to find content they enjoy, spending hours scrolling through thousands of titles. To address this, businesses need to provide personalized recommendations that align with viewers' preferences. This project aims to analyse anime ratings and build a recommender system to enhance user experience, increase engagement, and boost revenue for streaming platforms.

BACKGROUND

Every streaming content has its own viewers and each content has it's rating. Viewers leave some good ratings for the content if they like it. But where does it apply? Viewers can spend hours scrolling through hundreds, sometimes thousands of anime's but never getting a content they like. Businesses need to provide suggestions based on viewers likings and needs in order to create a better streaming environment that boosts revenue and increases the time spent on a website.

PROBLEM

Streaming platforms host a vast library of anime titles, each catering to diverse viewer preferences. However, users often struggle to discover content they enjoy, spending excessive time scrolling through thousands of titles. This leads to reduced user engagement and satisfaction. To address this, a team of data scientists is tasked with building an anime recommender system that provides personalized suggestions based on user preferences and viewing history.

GOAL

The goal of creating an Anime Recommender System is to enhance user experience and engagement on streaming platforms by providing personalized anime recommendations.

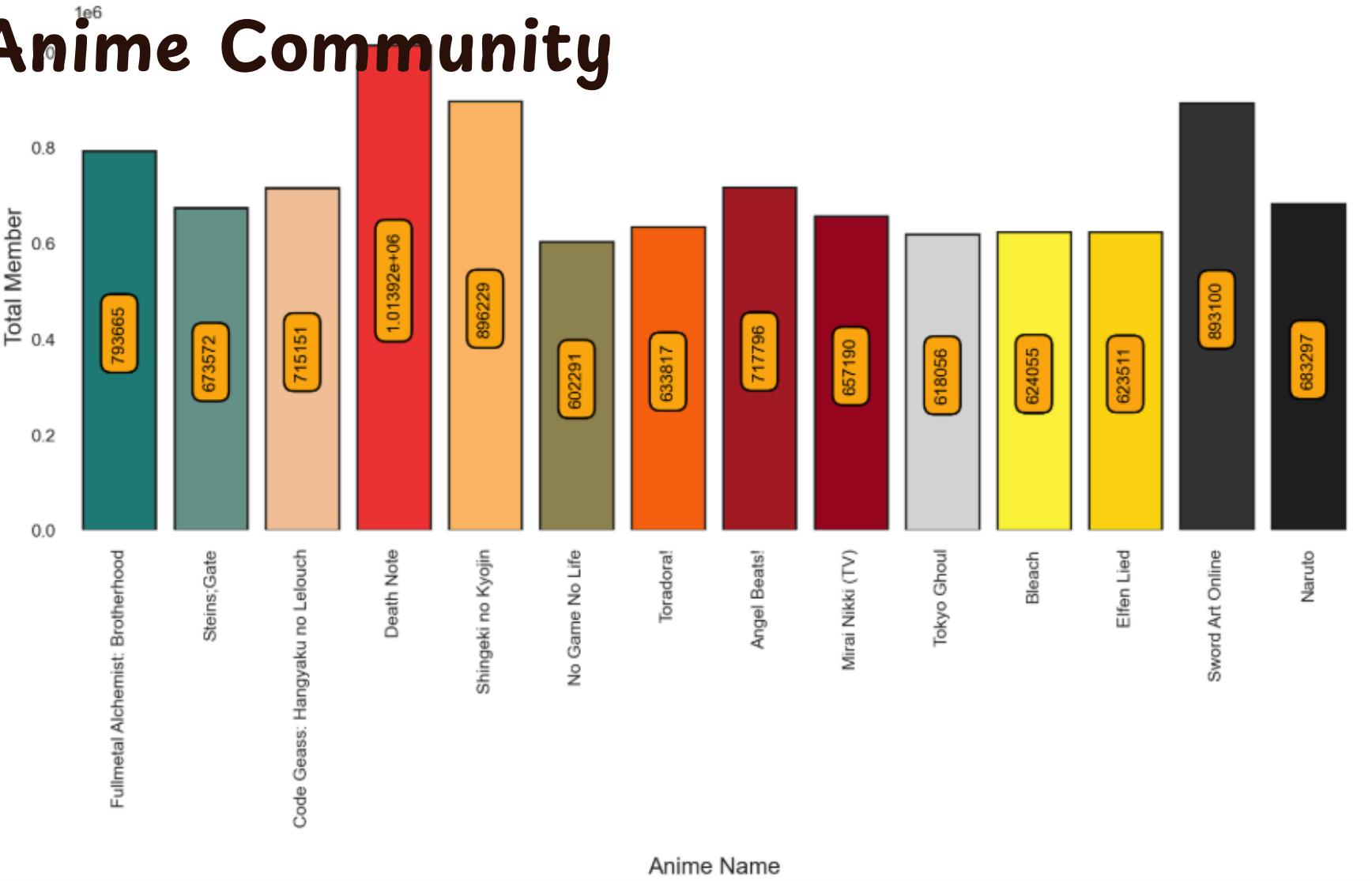
METHODOLOGIES

- Collaborative filtering → Recommends items based on similarities in preferences between users.
- Content-based filtering → Uses the attributes of items, like genre or keywords, to recommend items similar to what a user has already liked.
- Hybrid Systems → combine both collaborative and content-based methods for even more refined recommendations.

ANALYSIS

Top Anime Community

Top Anime Community



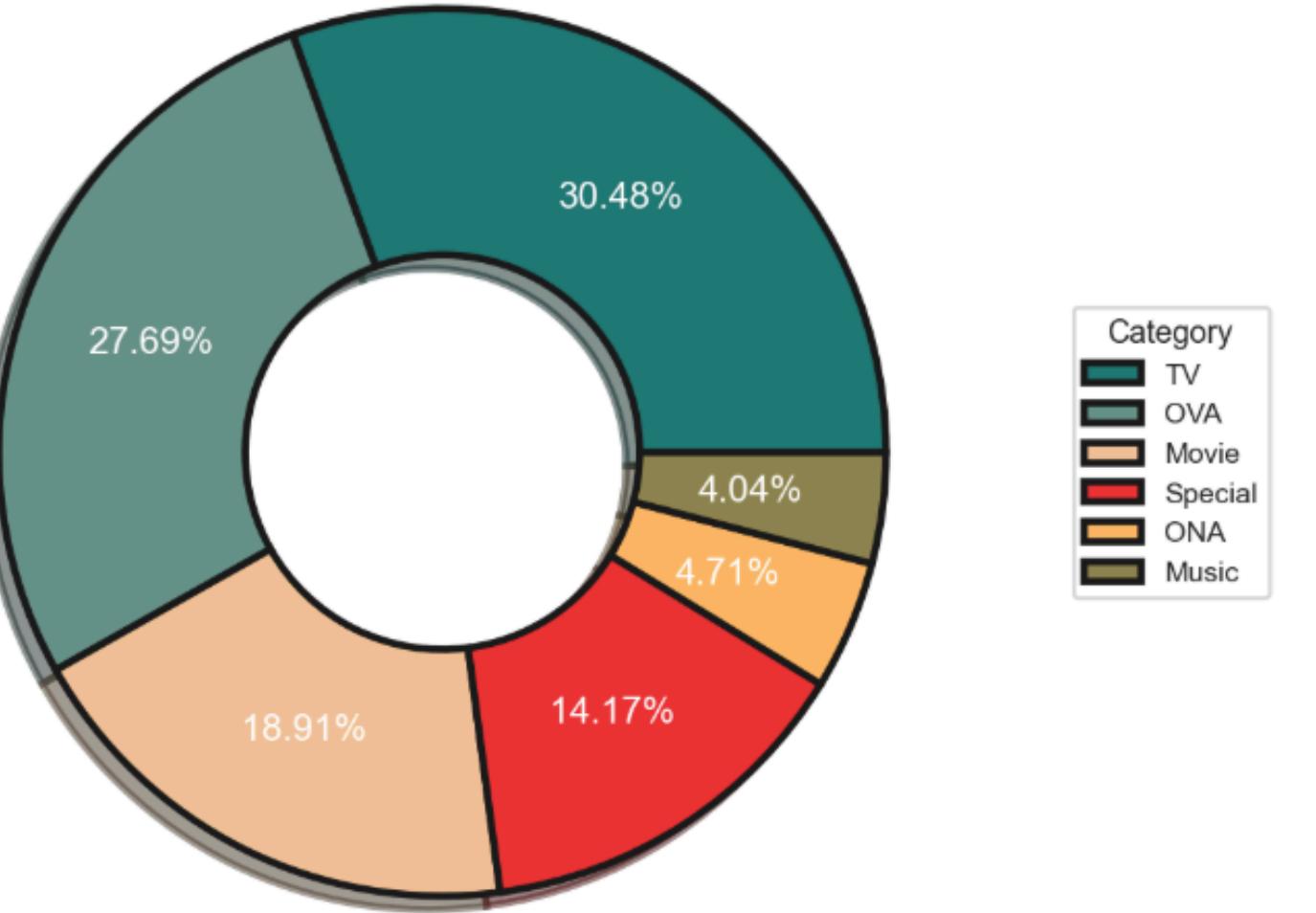
INSIGHTS

Death Note wears the crown for highest community members followed by Shingeki no Kyojin and Sword Art Online

ANALYSIS

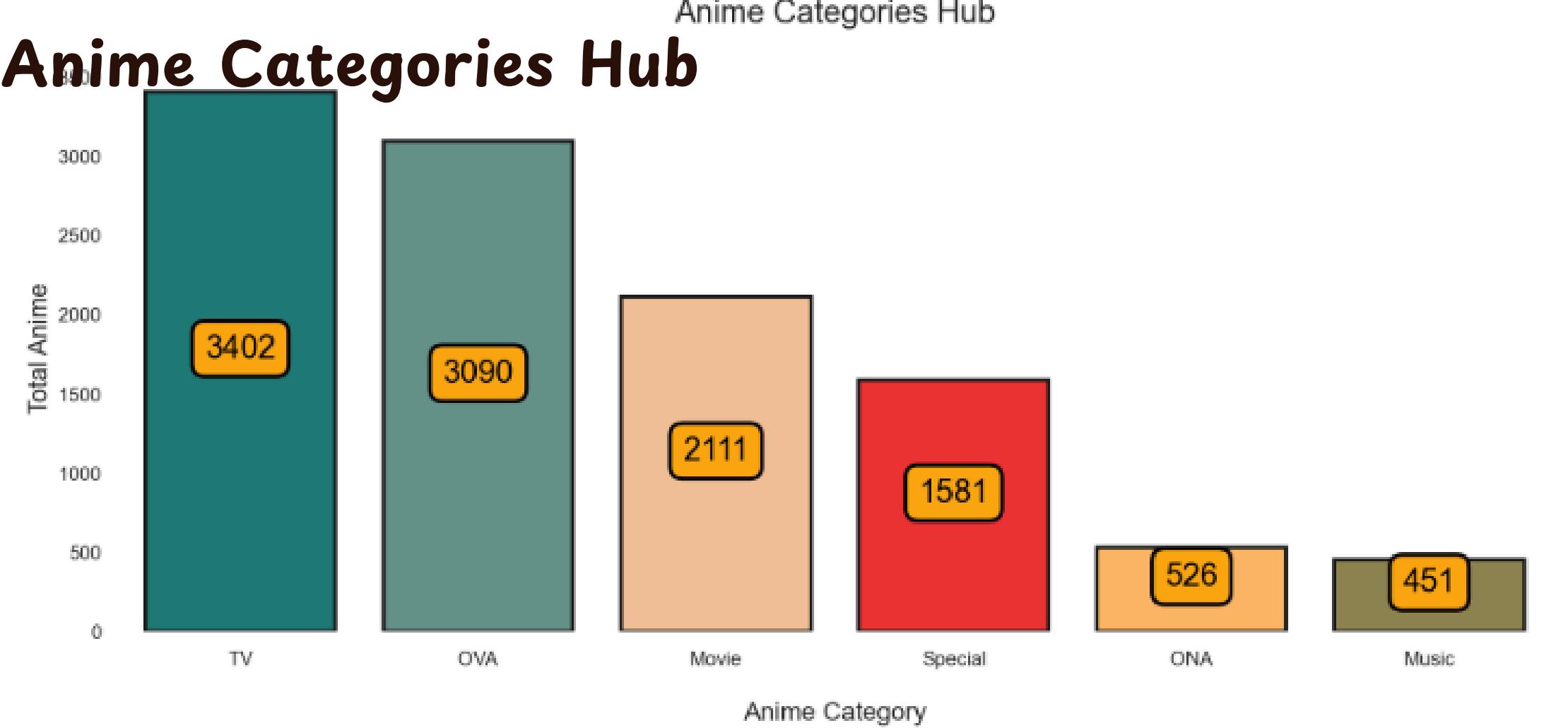
Anime Categories Distribution

Anime Categories Distribution



ANALYSIS

Anime Categories Hub

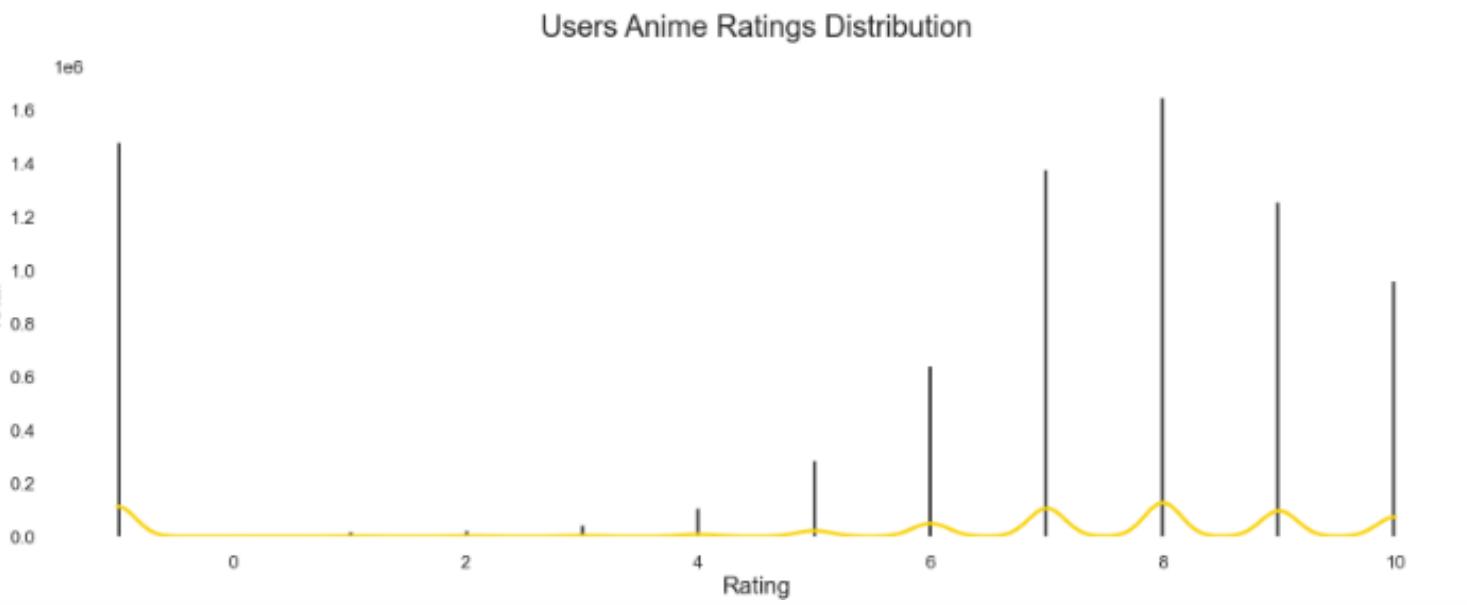
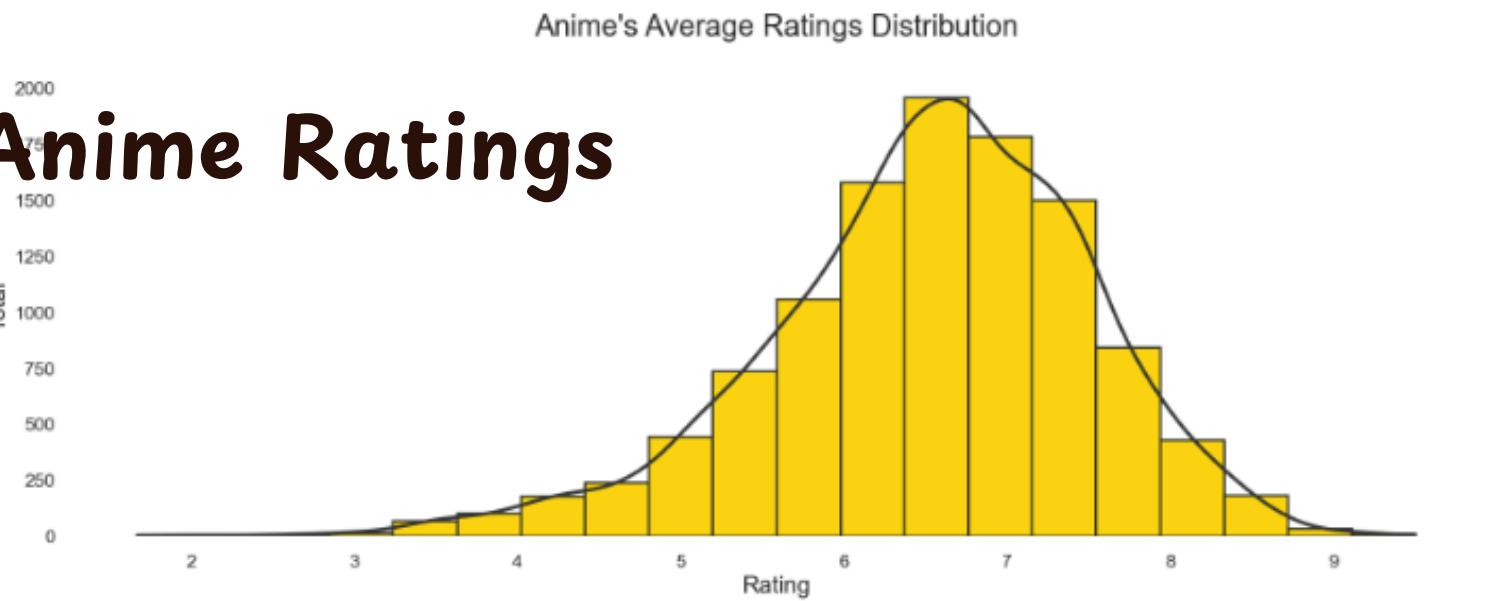


INSIGHTS

3402 animes are aired on TV which is 30.48% of total animes 2111 animes are streamed as Movie which is 18.91% of total animes 3090 animes are streamed as OVA which is 27.69% of total animes also greater than ONA which includes 526 animes that is 4.71% of total animes.

ANALYSIS

Overall Anime Ratings

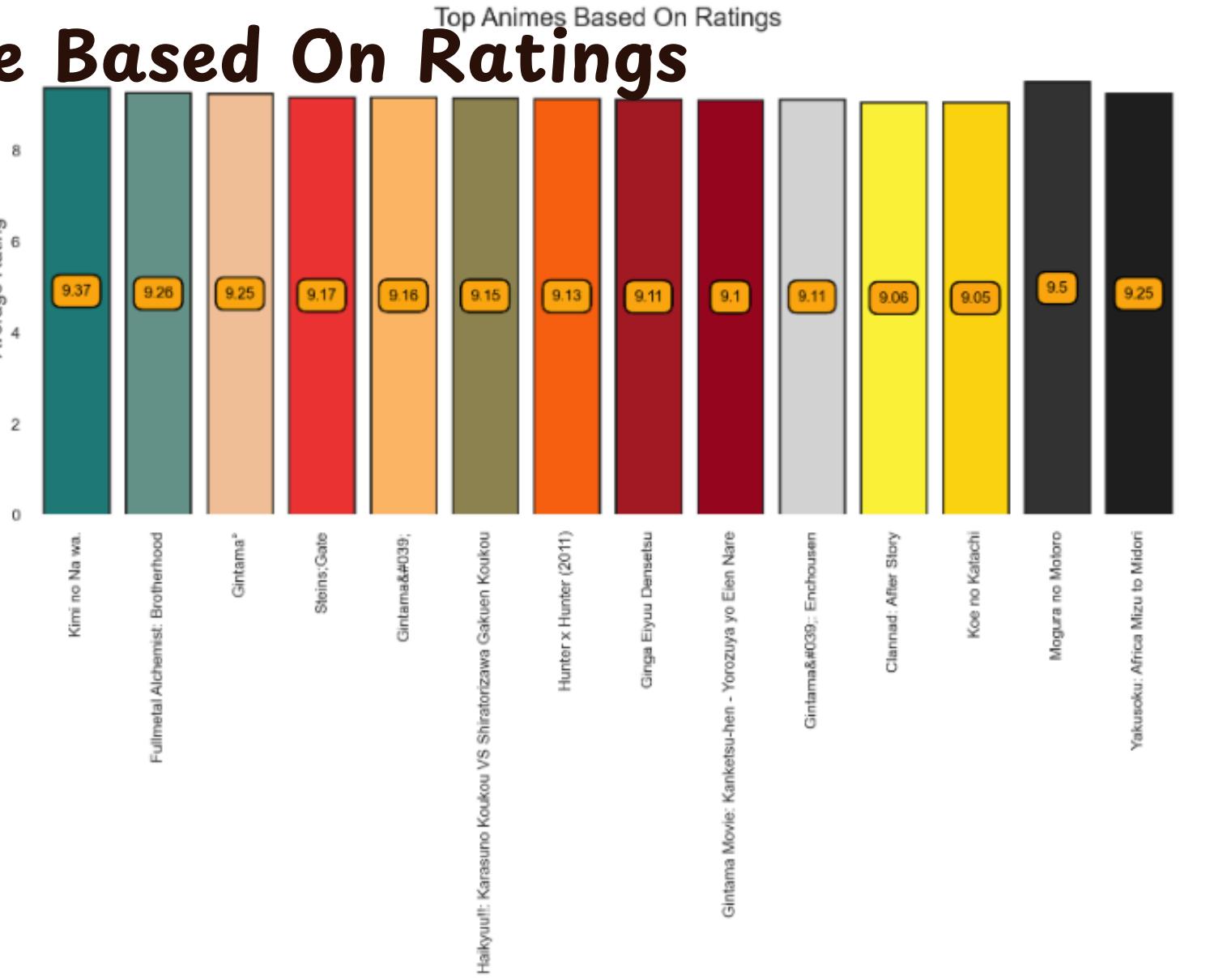


INSIGHTS

- Most of the Anime ratings are spread between 5.5 - 8.0
- Most of the users ratings are spread between 6.0 - 10.0
- The mode of the users ratings distribution is around 7.0 - 8.0
- Both the distribution are left skewed
- Users rating(-1) is an outlier in ratings of users which can be discarded

ANALYSIS

Top Anime Based On Ratings

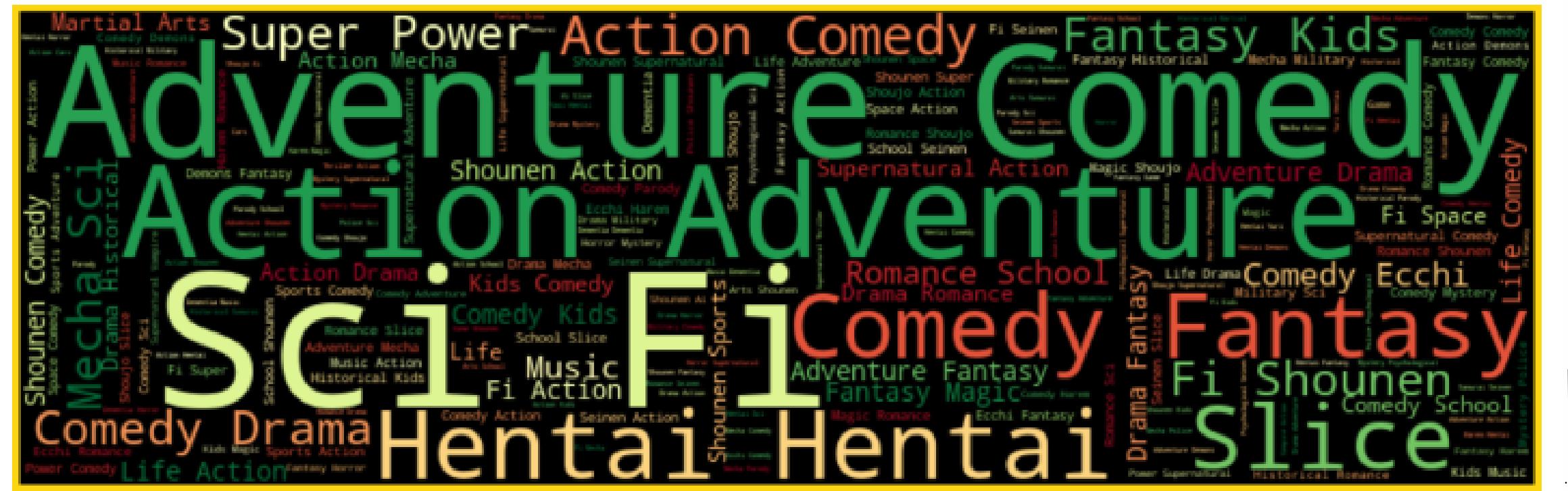


INSIGHTS

- Mogura no Motoro wears the crown for highest rating followed by Kimi no Na wa. and Fullmetal Alchemist: Brotherhood

ANALYSIS

Anime Genres

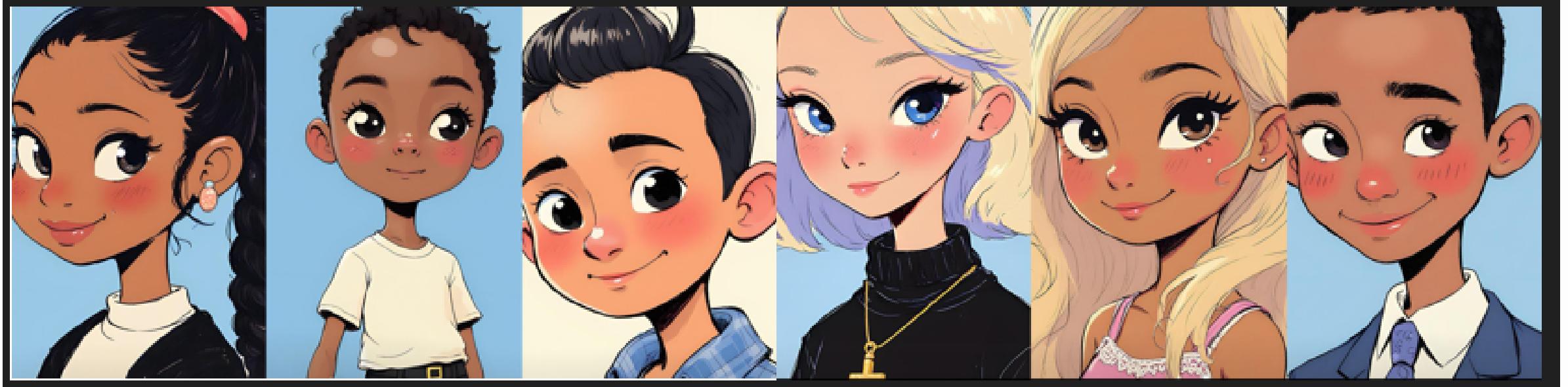


CONCLUSION

There are a lot of users who have rated only once, even if they have rated 5 animes, it can't be considered as a valuable record for recommendation. So we will consider minimum 50 ratings by the user as a threshold value.

We have got many japanese or special character symbols in anime name. Let's remove those using this function

THE TEAM



AMU K. THABISO N. RICHARD M. LIZAAN B. SUE N. LHUTO N.

**THANK
YOU**

