ANIME ALCHEMY

Exploring MyAnimeList for Hidden Anime Gems

DATA SCIENCE LAB – 1

INSTRUCTER

DOOTIKA VATS

Group -2

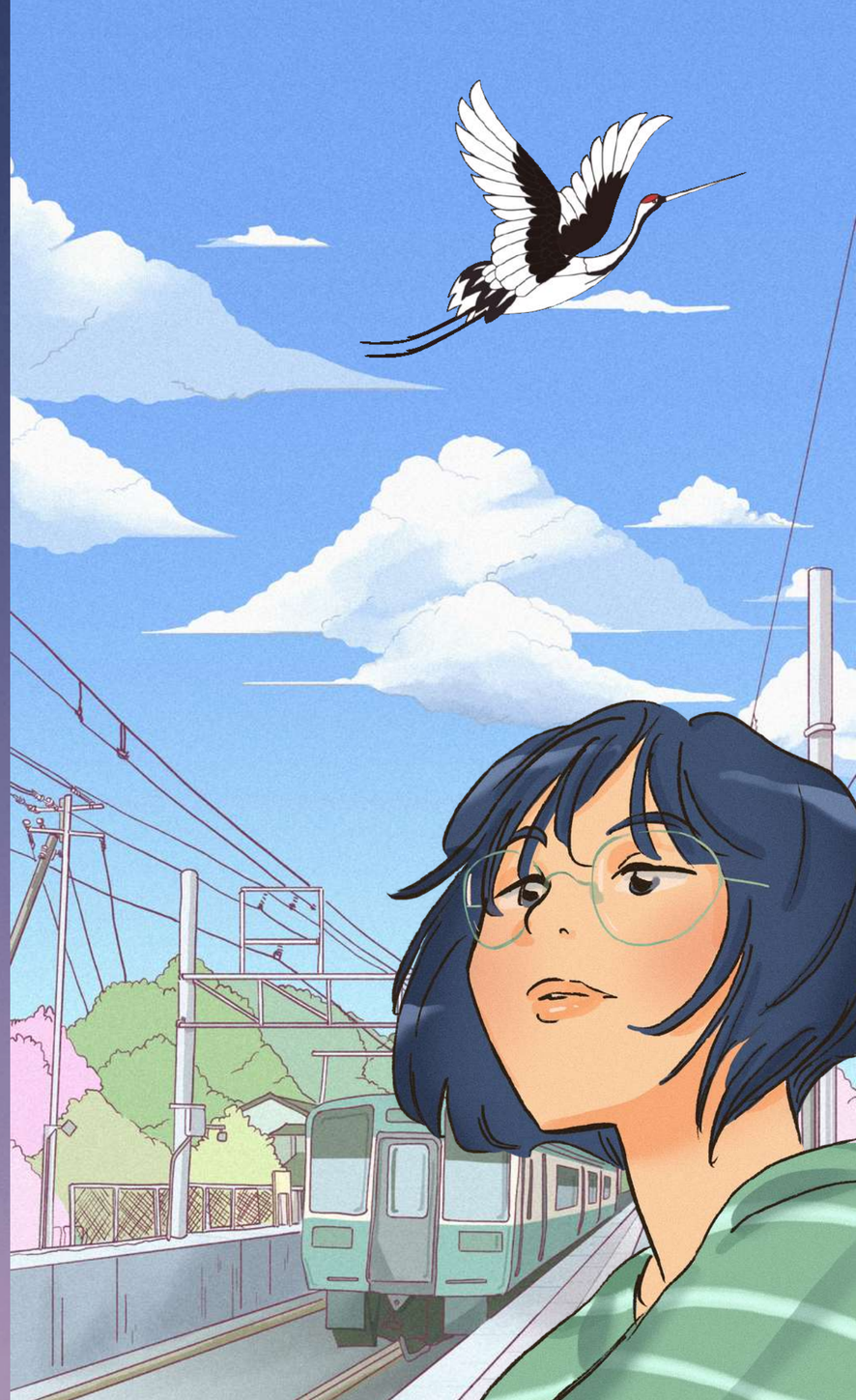
Anime Alchemy

Our Work

We scraped the MyAnimeList website for data on viewership and liking of various successful animes to analyze the best way for a producer to air and advertise their products.

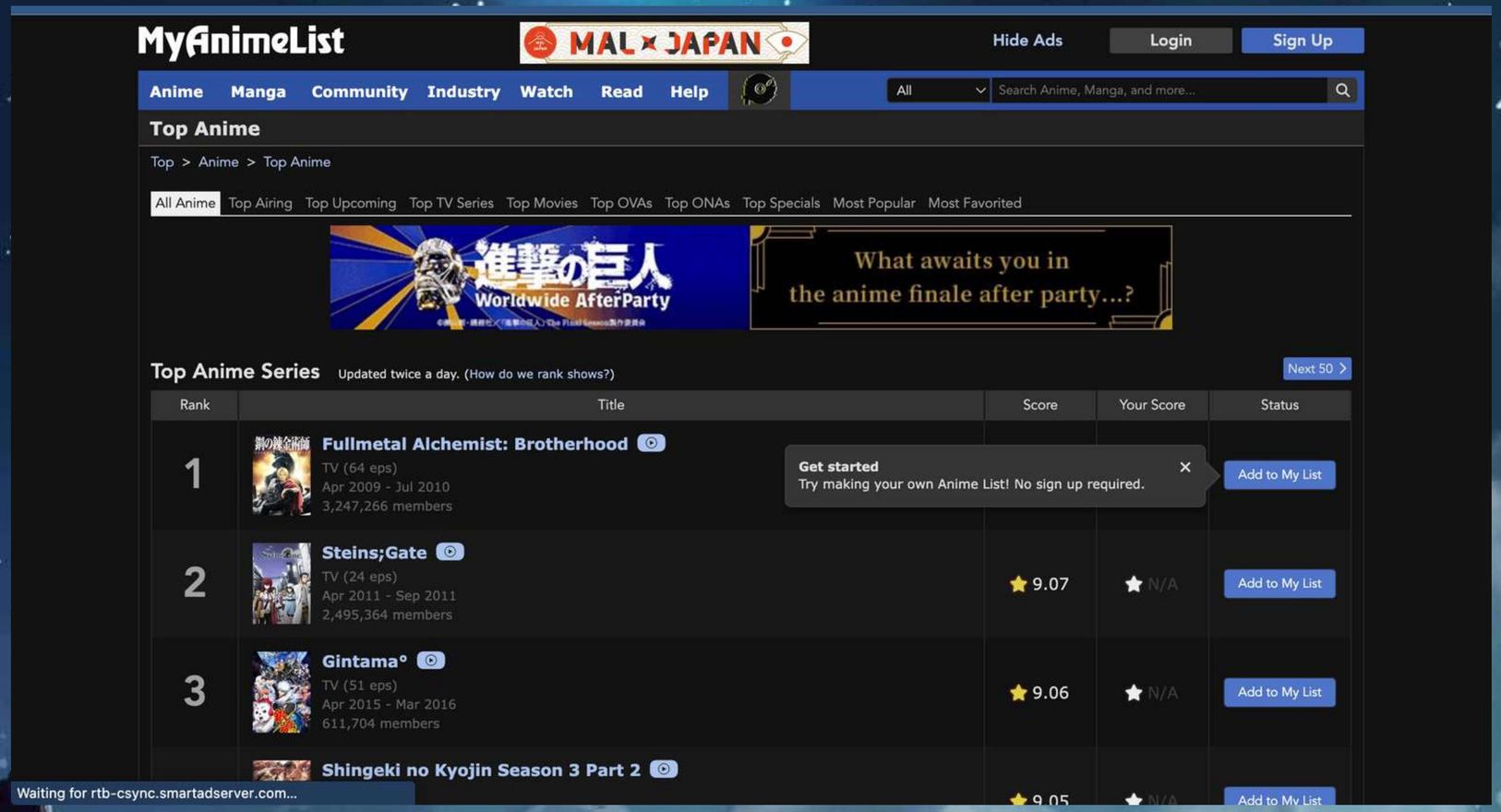
Anime

The term "anime" refers to any animated motion picture that is produced in Japan. However, it refers to all animated works as an umbrella term in Japan. Anime amasses a large audience, from children to adults, who enjoy and consume this content. Hence, it is a budding profit space.



DATA COLLECTION

MyAnimeList

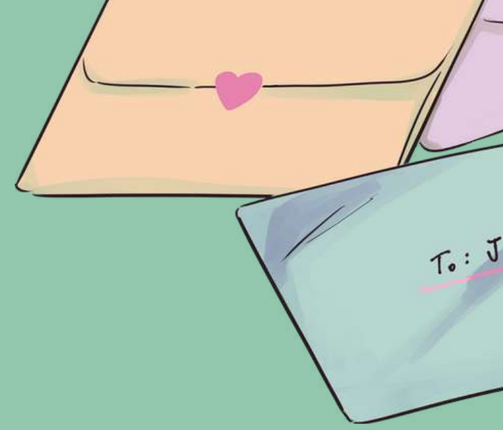


CATEGORICAL VARIABLES

- Source
- Genre
- Aired
- Premiered (Season & Year)
- Day of telecast
- Demography (Target audience)
- Rating

NUMERICAL VARIABLES

- Number of Episodes
- Duration per Episode
- Rating (out of 10)
- Number of Voters
- Number of Favorites
- Colour composition of the poster



KEY QUESTION

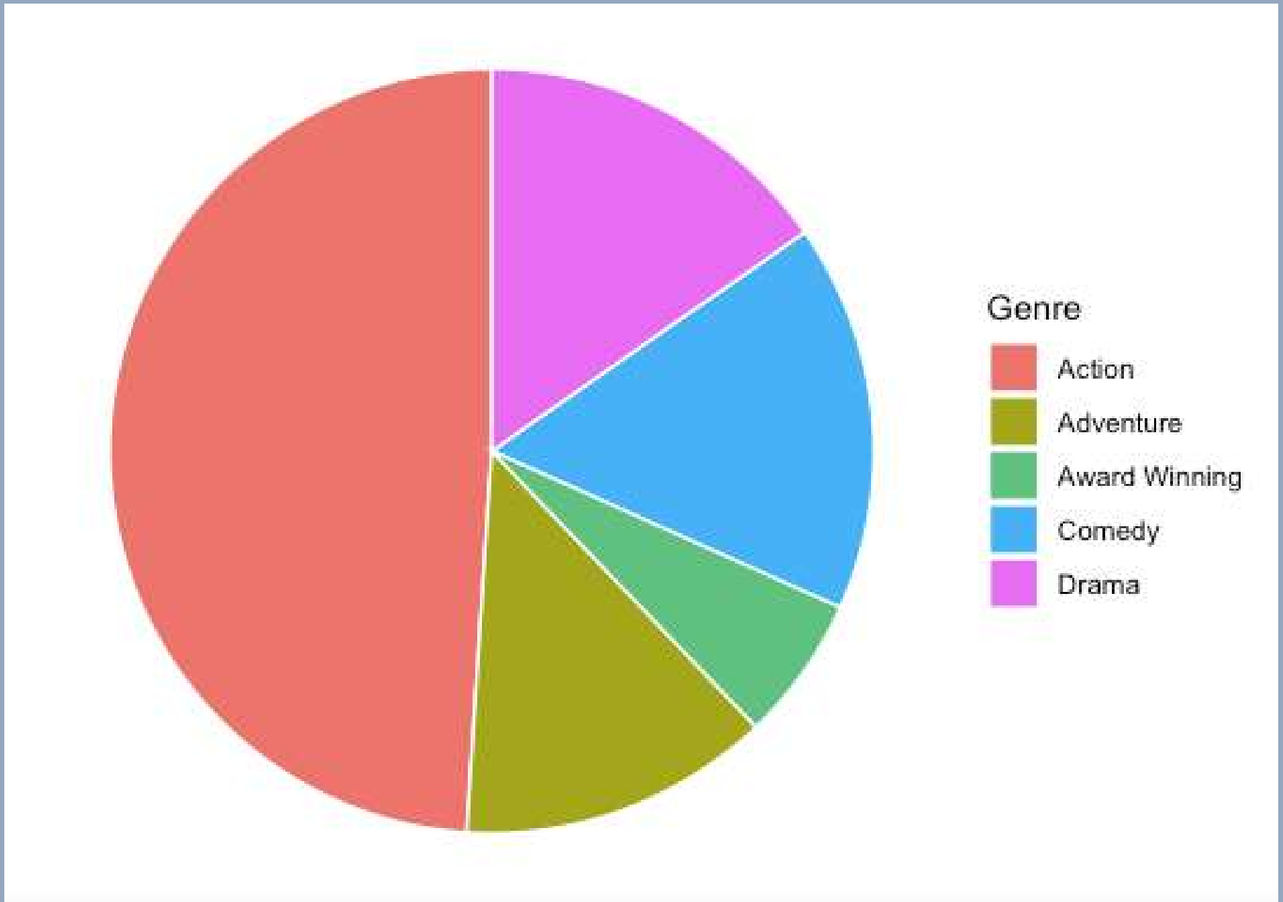
How do we ensure
that the Show does *Well?*

SUB-QUESTIONS

- What season should you release the anime in?
- What day of the week should you broadcast the anime?
- How many episodes should there be per season?
- What should be the color composition of your poster?
- For a particular audience, what anime genre performs the best on an average?
- Which studio has the best performance average?

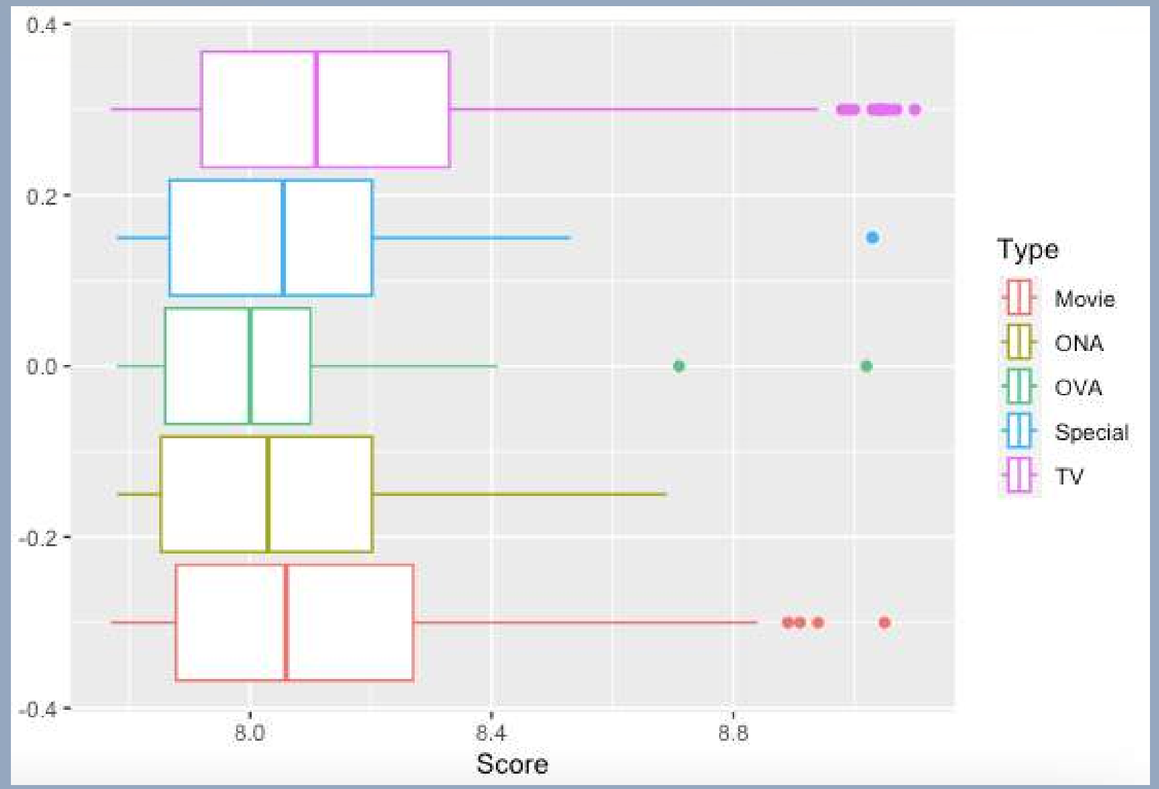
Interesting Plots

The Genre Breakup for the data :



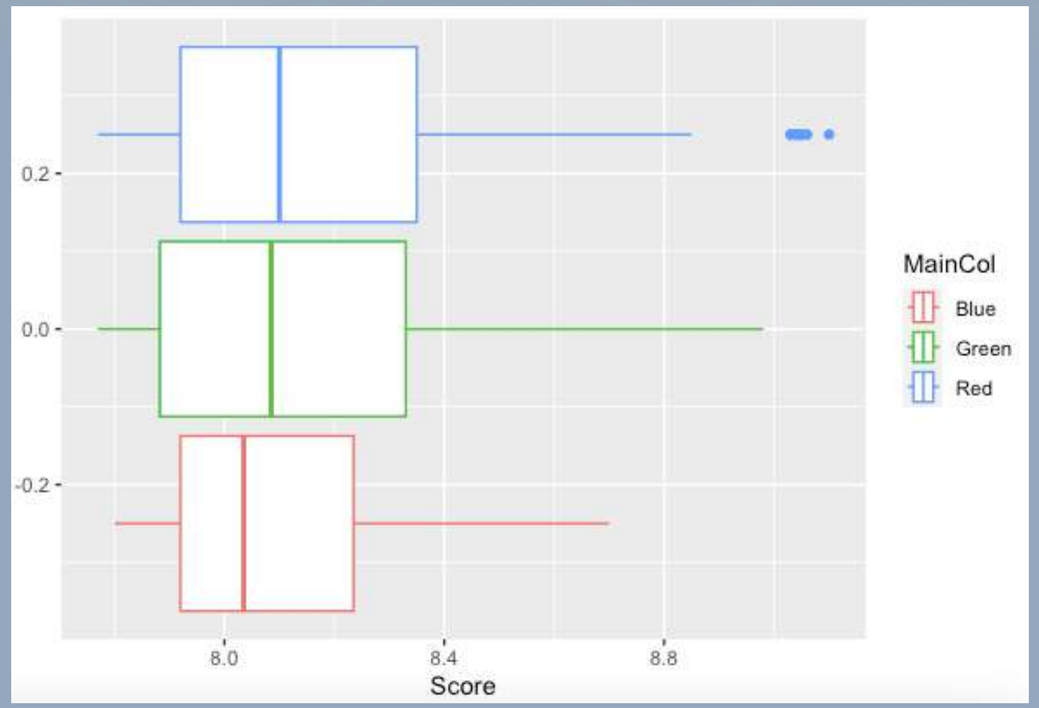
- The split looks like this across various Genres for the entire data.
- Action is the most prominent genre.
- The distribution of data across genres is different. Hence, the sampling must be done carefully, and the inferences drawn accordingly.

Type Vs. Popularity



A graph that compares the average rating of anime grouped across various airing types.

Poster Color vs. Genre

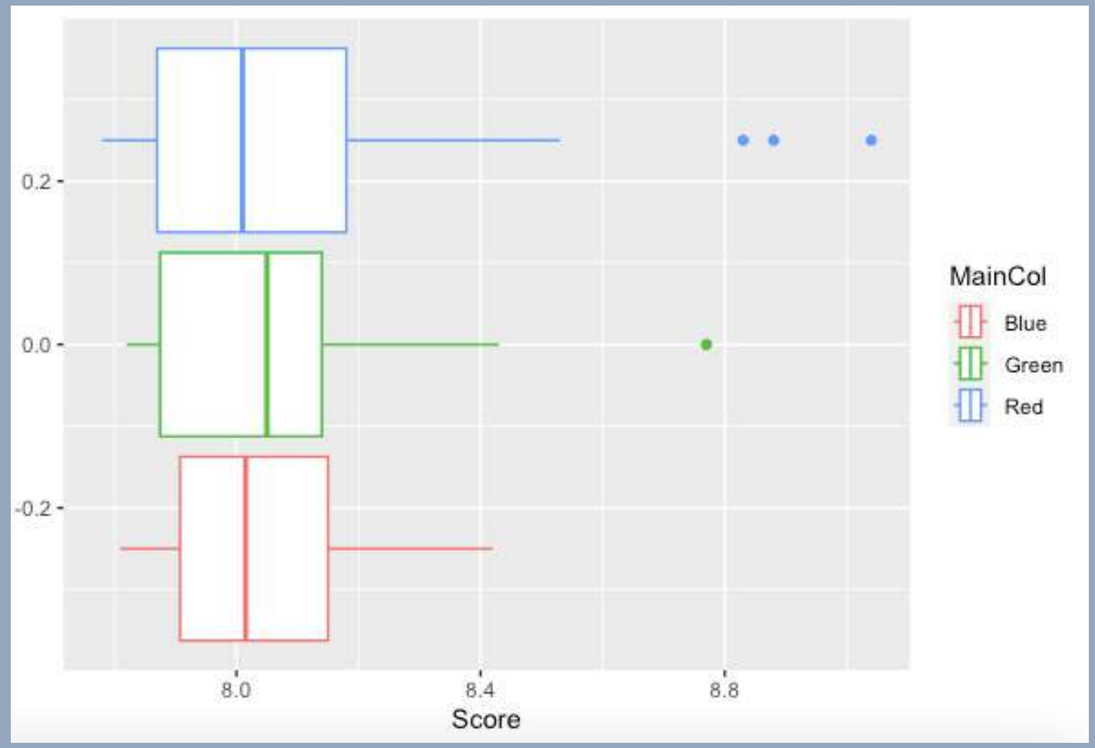


ACTION

Red Dominates

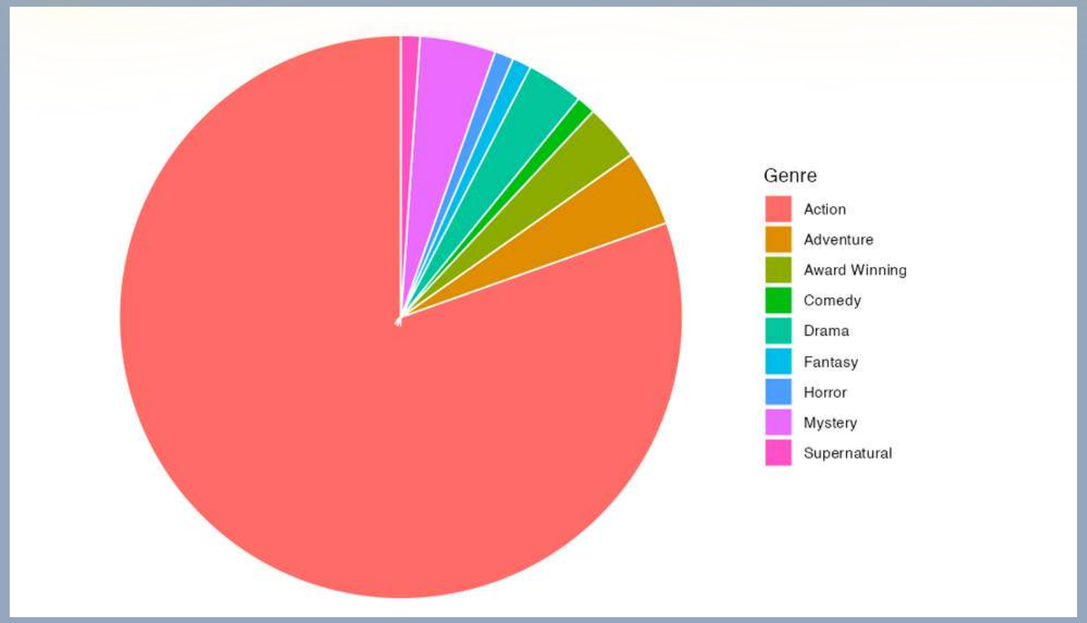
No clear trend...

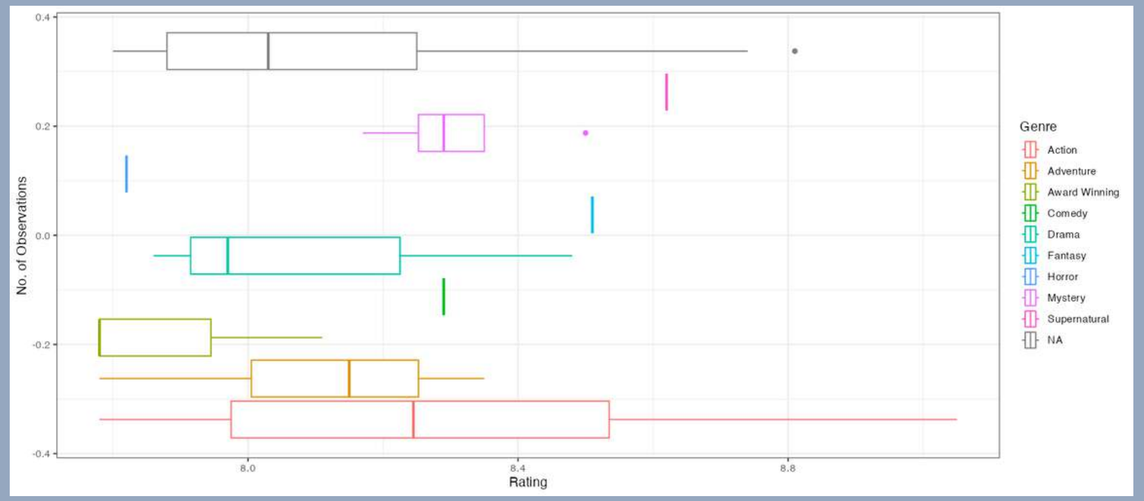
COMEDY



Genre Vs. Data-Points

FOR SPECIFIC SETS

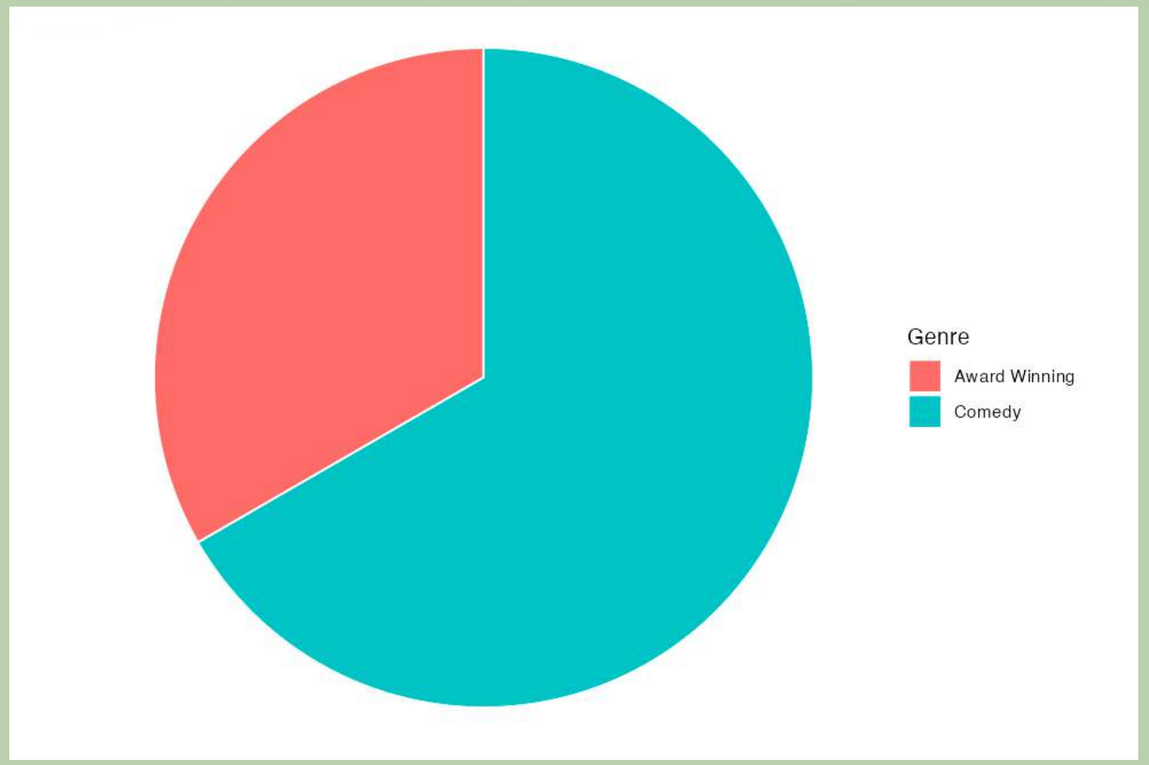




From the pie chart and the box plot, we can see that for the animes with manga as their source, the action genre is more popular than the rest. Comedy, fantasy, horror and supernatural genres appeals lesser to the 17+ audience.

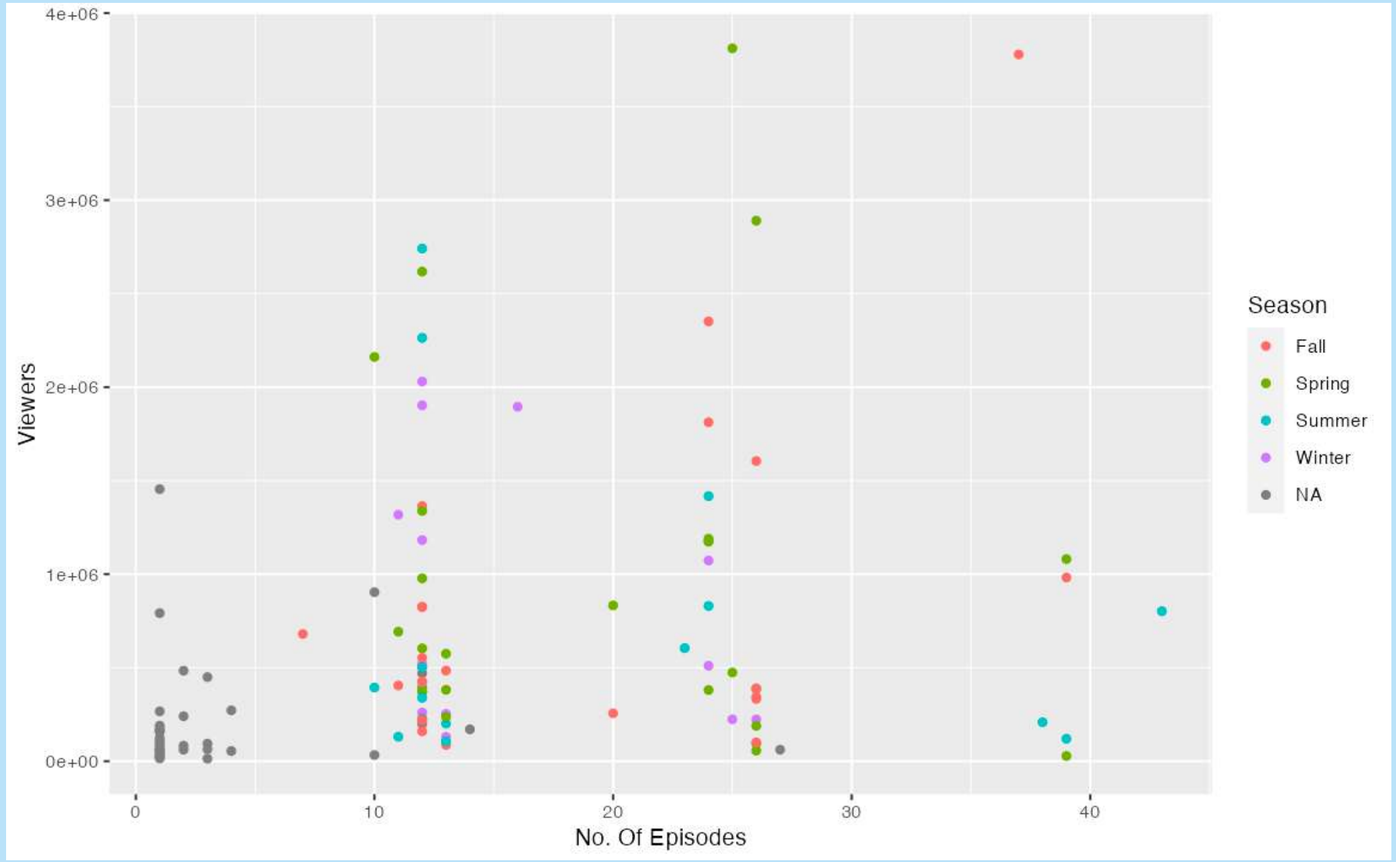
Genre Vs. Data-Points

FOR SPECIFIC SETS



For the juvenile audience, the scenario changes. The comedy genre appeals the most, which is pretty much evident.

How many episodes should be there in per season?



As we can see, as the number of episodes increases, the number of viewers decreases. Most of the viewers prefer to watch the animes with no. of episodes from 10-30.

Anime Alchemy

Parameters

Source of Anime

Manga

Comparision Parameter

Rating

Target Audience

R - 17+ (violence & profanity)

Sub Division Parameter

Season

Indedendent Parameter

No. Of Episodes

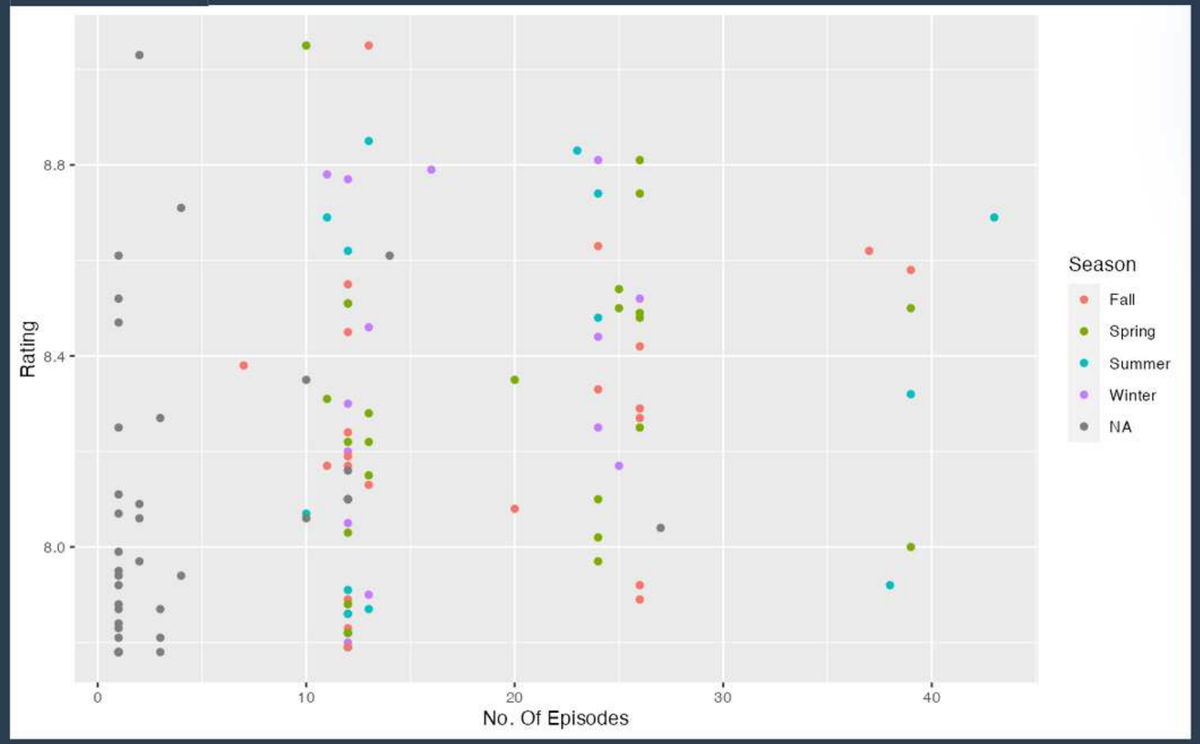
Maximum Number of Episodes:

1 50 100

1 11 21 31 41 51 61 71 81 91 100

Graphs

Scatter Plot | Bar Plot | Table | Pie Chart



R Shiny App

LIKE, SHARE & SUBSCRIBE!

Thank You

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