

ANIME ALCHEMY

Exploring MyAnimeList for Hidden Anime Gems

DATA SCIENCE LAB – 1
INSTRUCTOR
DOOTIKA VATS

Group -2



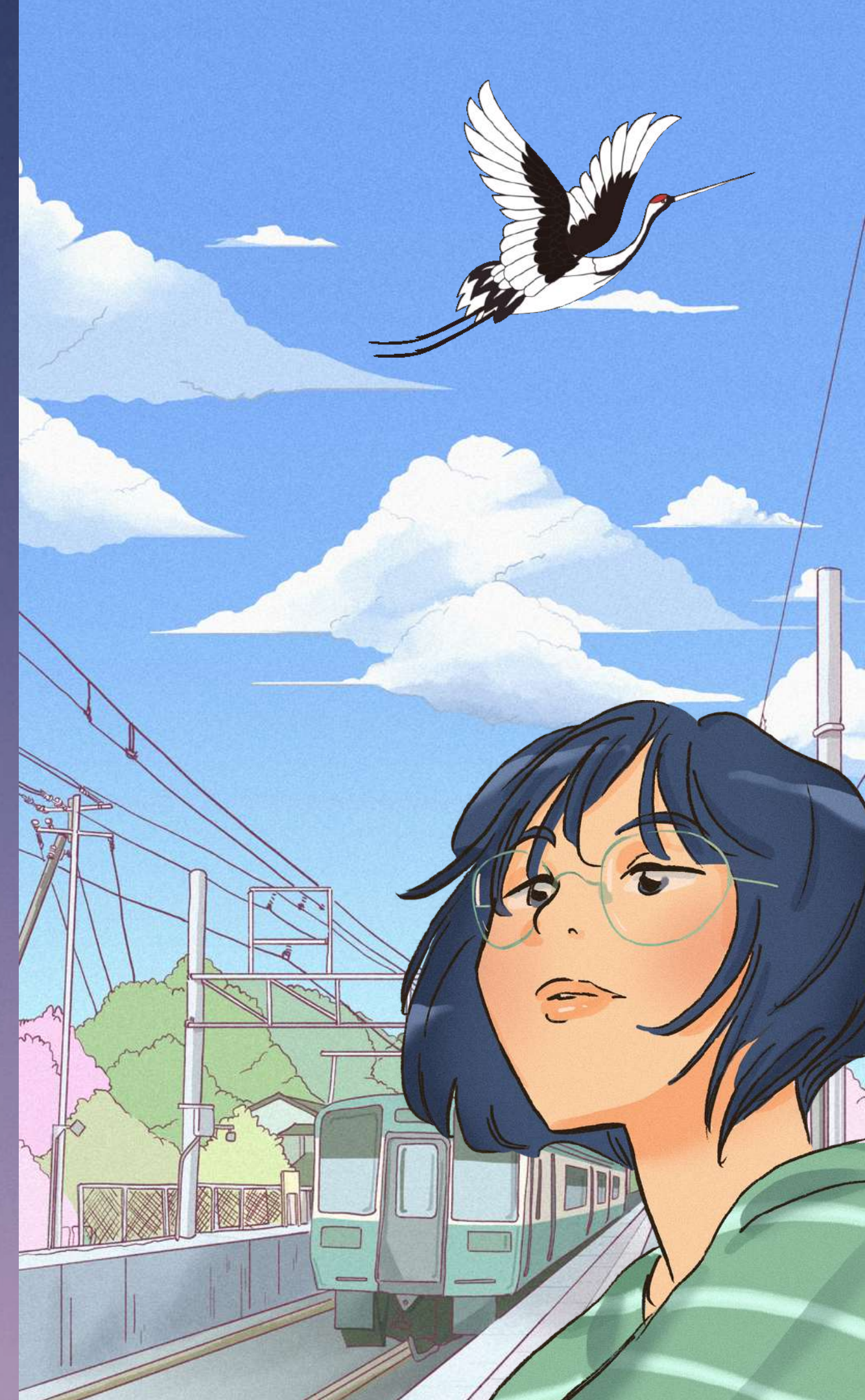
Anime Alchemy

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

MyAnimeList

MAL JAPAN

Hide Ads

Login

Sign Up

AnimeMangaCommunityIndustryWatchReadHelp


All

Search Anime, Manga, and more...

Top Anime

Top > Anime > Top Anime

All AnimeTop AiringTop UpcomingTop TV SeriesTop MoviesTop OVAsTop ONAsTop SpecialsMost PopularMost Favored











What awaits you in the anime finale after party...?

Top Anime Series

Updated twice a day. (How do we rank shows?)

Next 50 >

Rank	Title	Score	Your Score	Status
1	 Fullmetal Alchemist: Brotherhood  TV (64 eps) Apr 2009 - Jul 2010 3,247,266 members			<div>Get started Try making your own Anime List! No sign up required.</div> <div>Add to My List</div>
2	 Steins;Gate  TV (24 eps) Apr 2011 - Sep 2011 2,495,364 members	★ 9.07	★ N/A	<div>Add to My List</div>
3	 Gintama°  TV (51 eps) Apr 2015 - Mar 2016 611,704 members	★ 9.06	★ N/A	<div>Add to My List</div>
	 Shingeki no Kyojin Season 3 Part 2 	★ 9.05	★ N/A	<div>Add to My List</div>

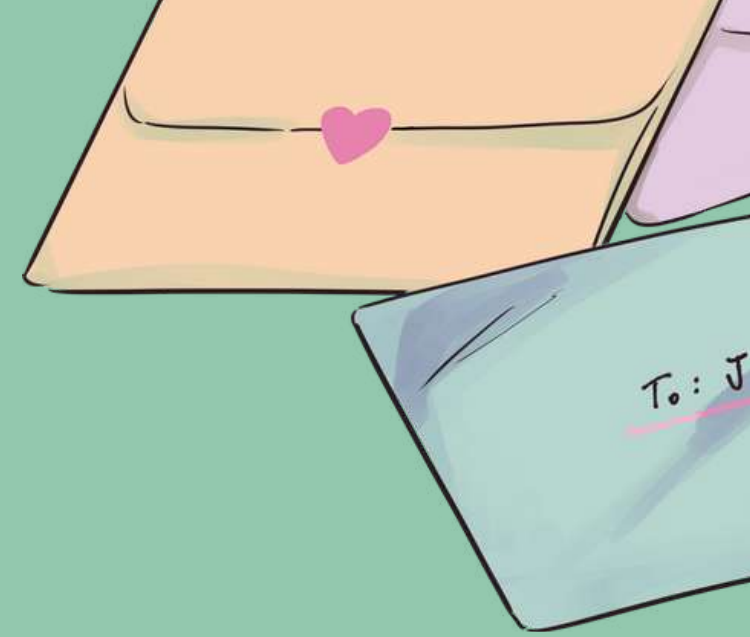
Waiting for rtb-csync.smartadserver.com...

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* ?

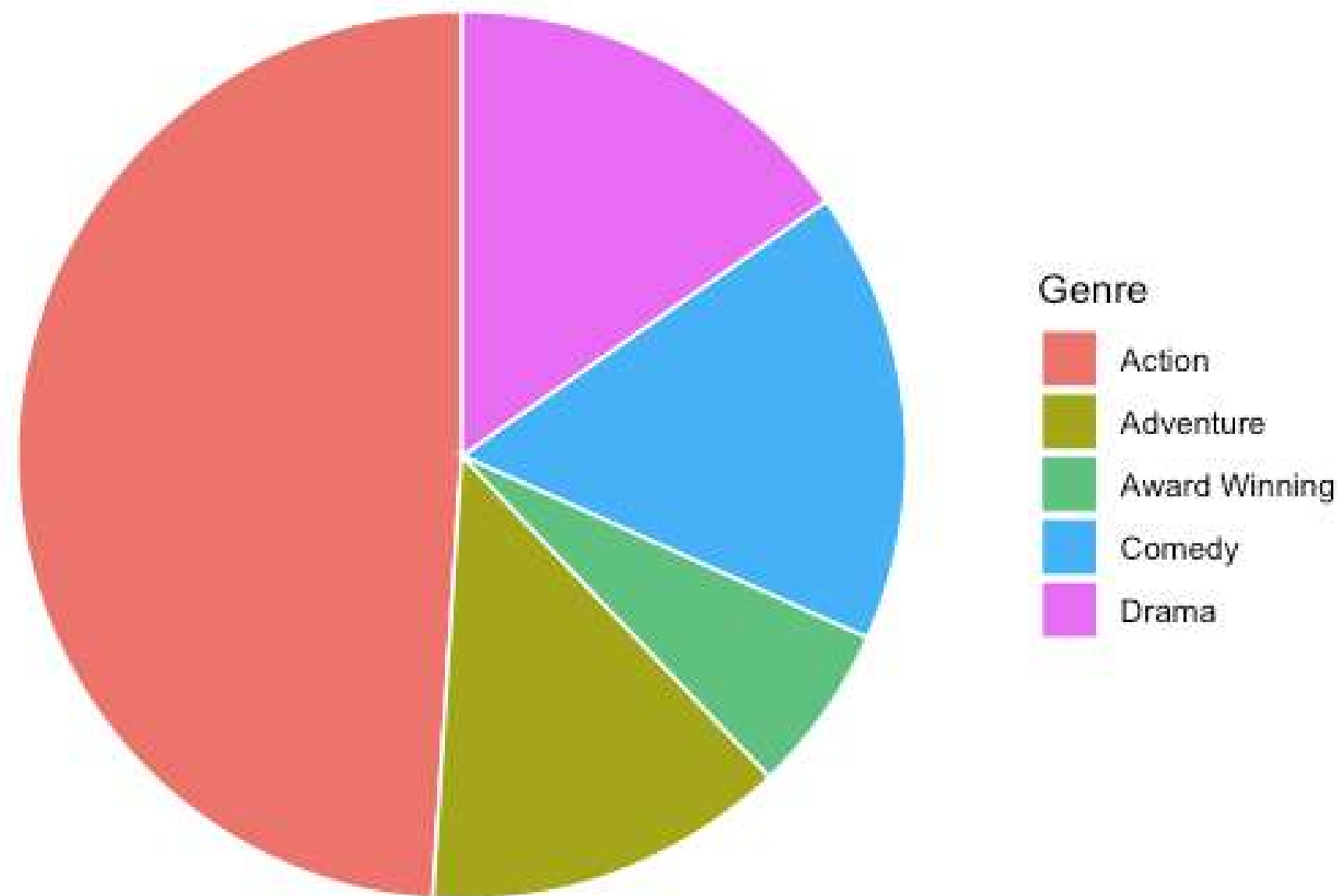


SUB-QUESTIONS

- 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?

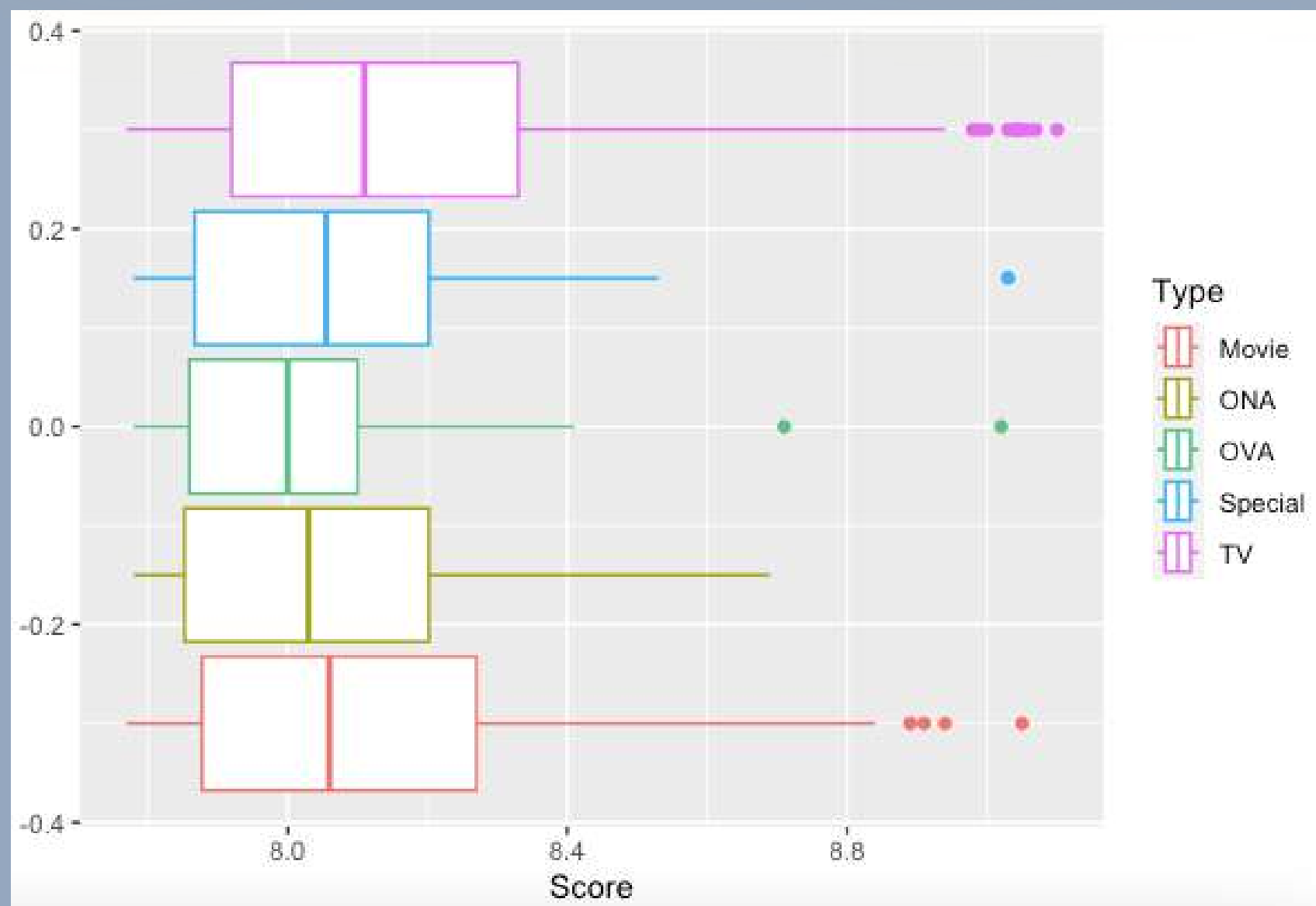
Interesting Plots

The Genre Breakup for the data :



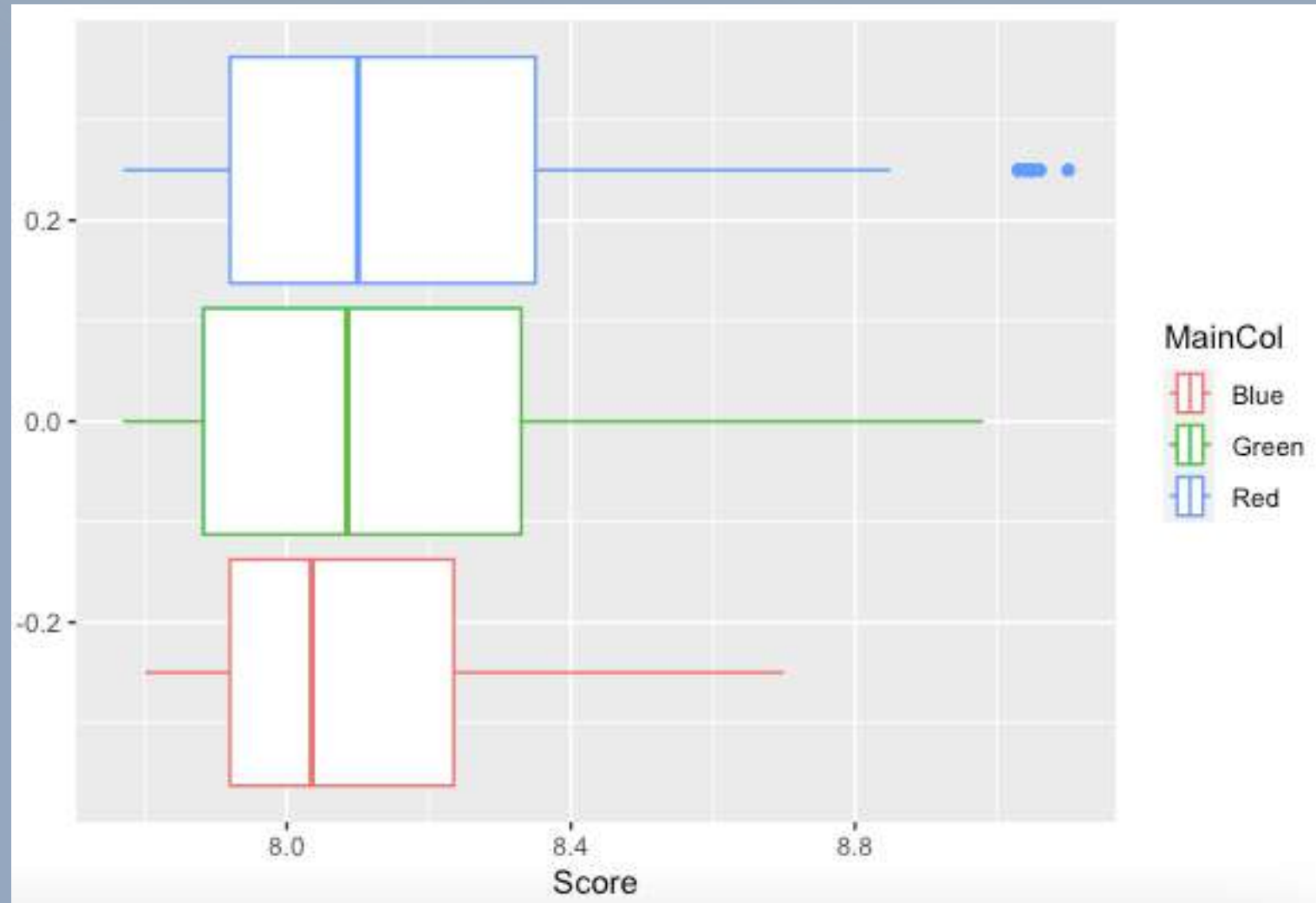
- The split looks like this across various Genres for the entire data.
- Action is the most prominent genre.
- The distribution of data across genres is different. Hence, the sampling must be done carefully, and the inferences drawn accordingly.

Type Vs. Popularity

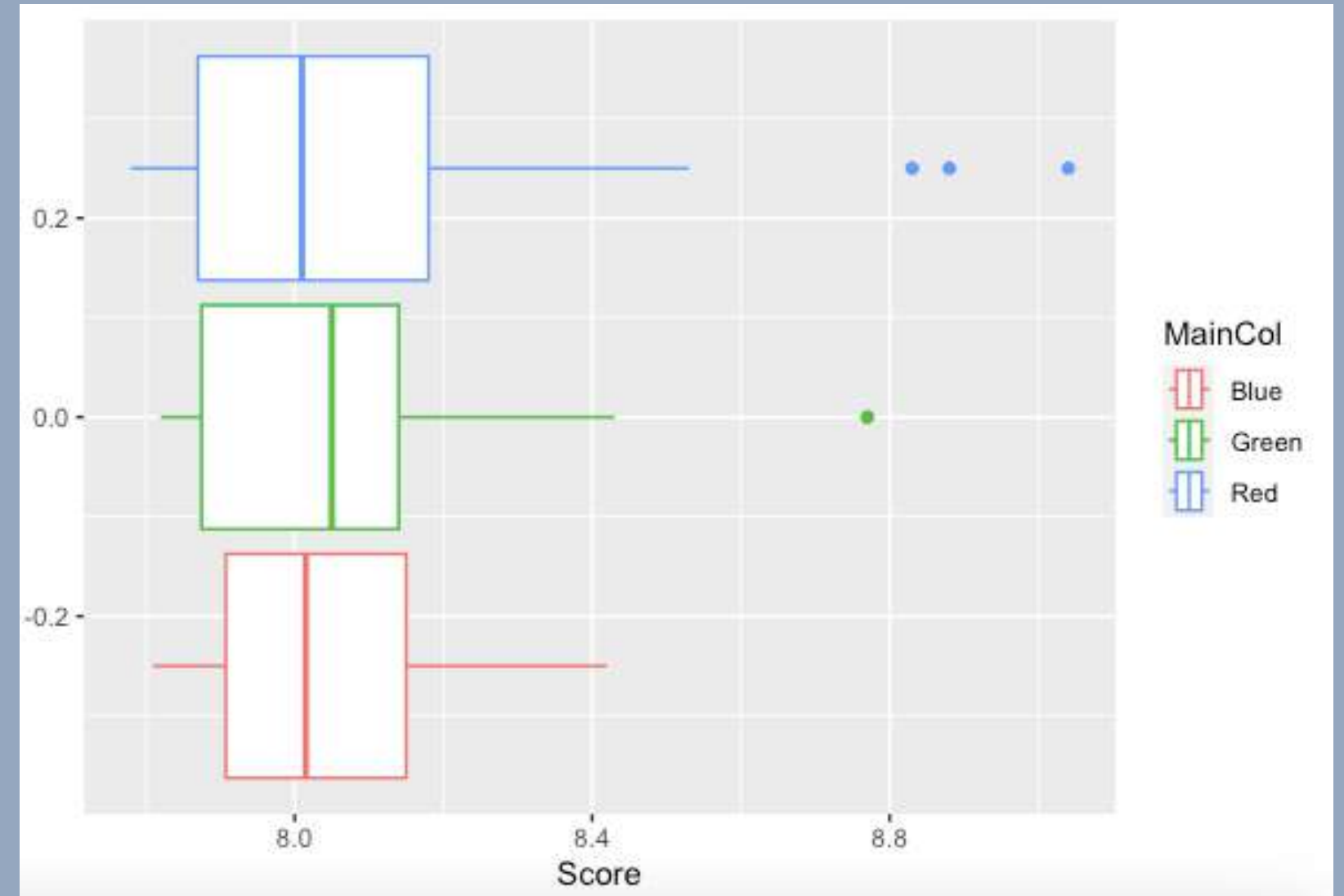


A graph that compares the average rating of anime grouped across various airing types.

Poster Color vs. Genre



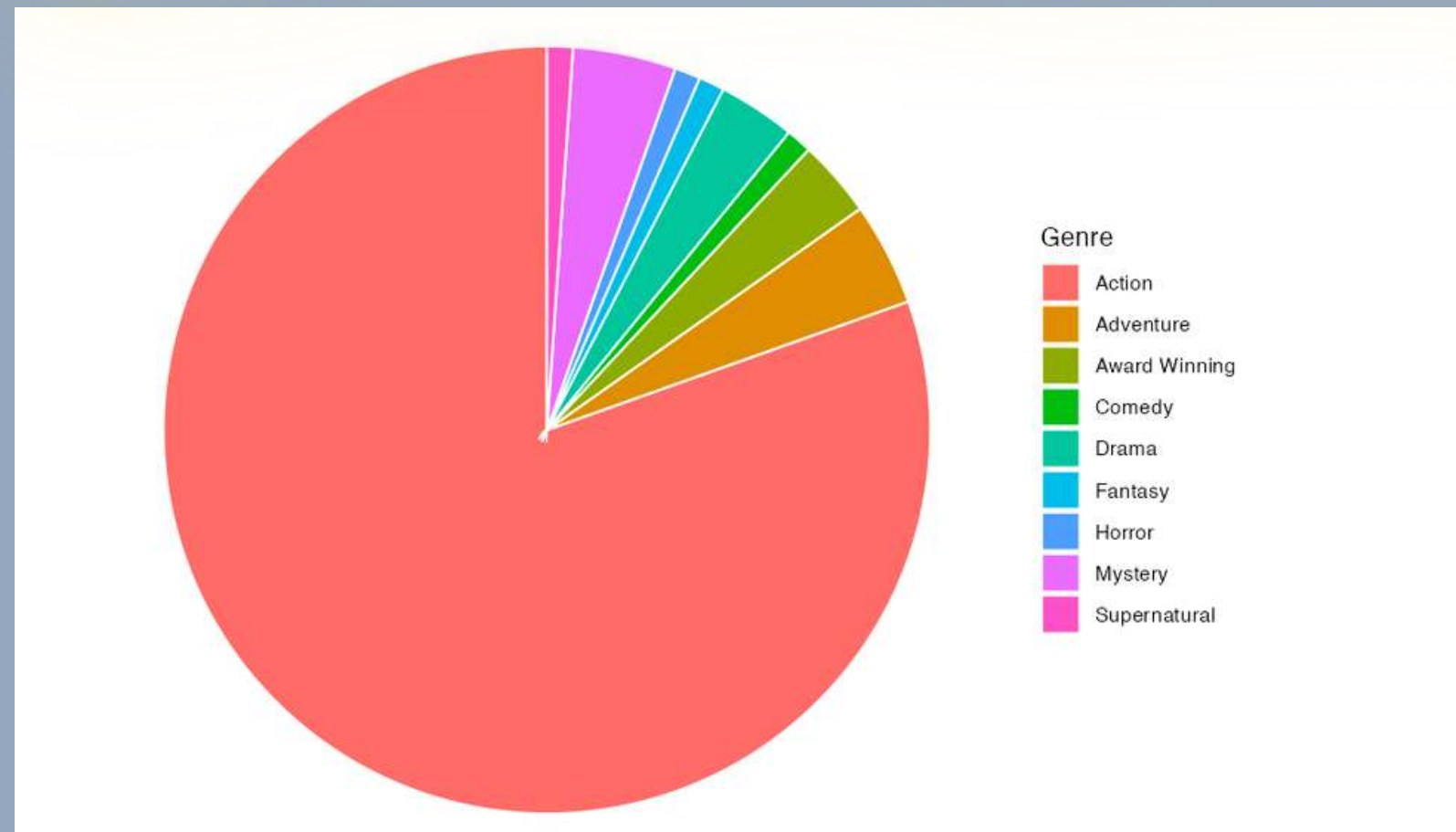
ACTION
Red Dominates



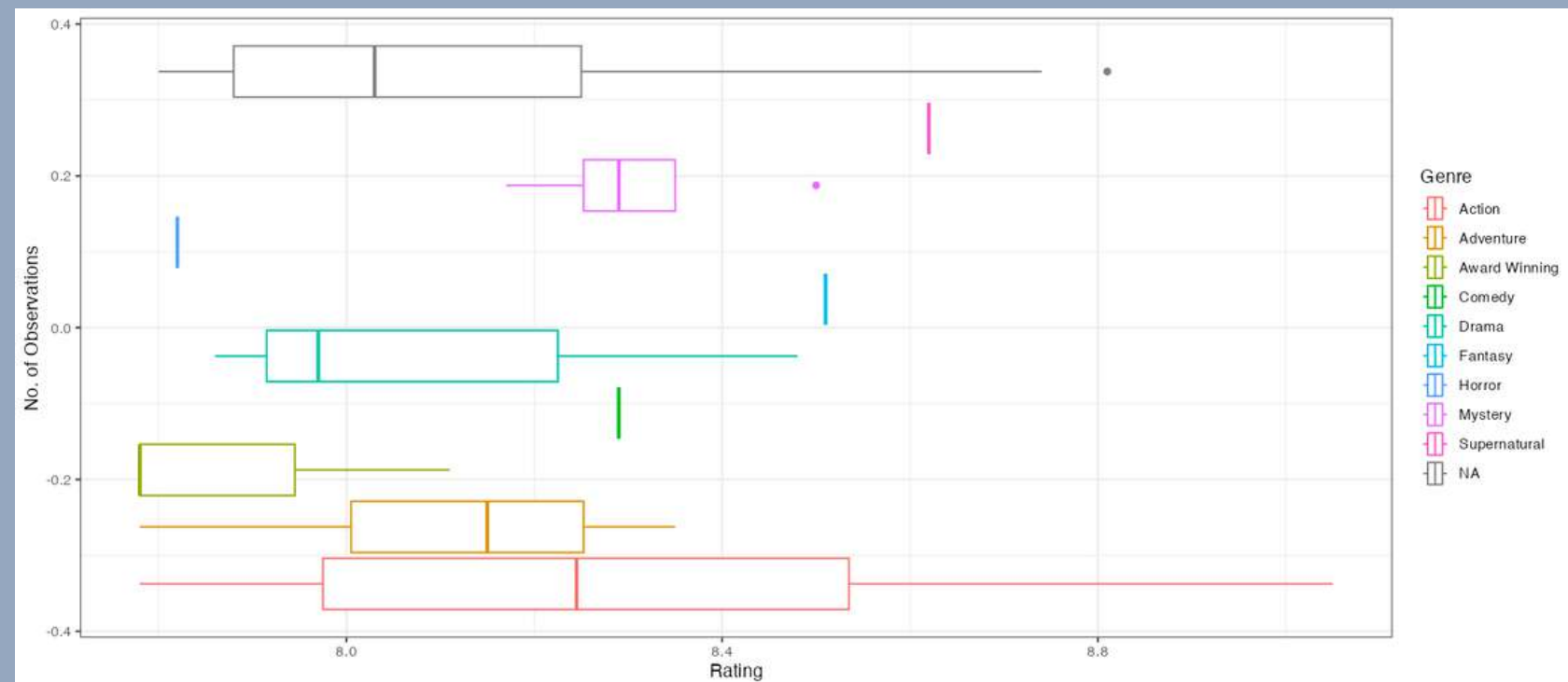
No clear trend...
COMEDY

Genre Vs. Data-Points

FOR SPECIFIC SETS

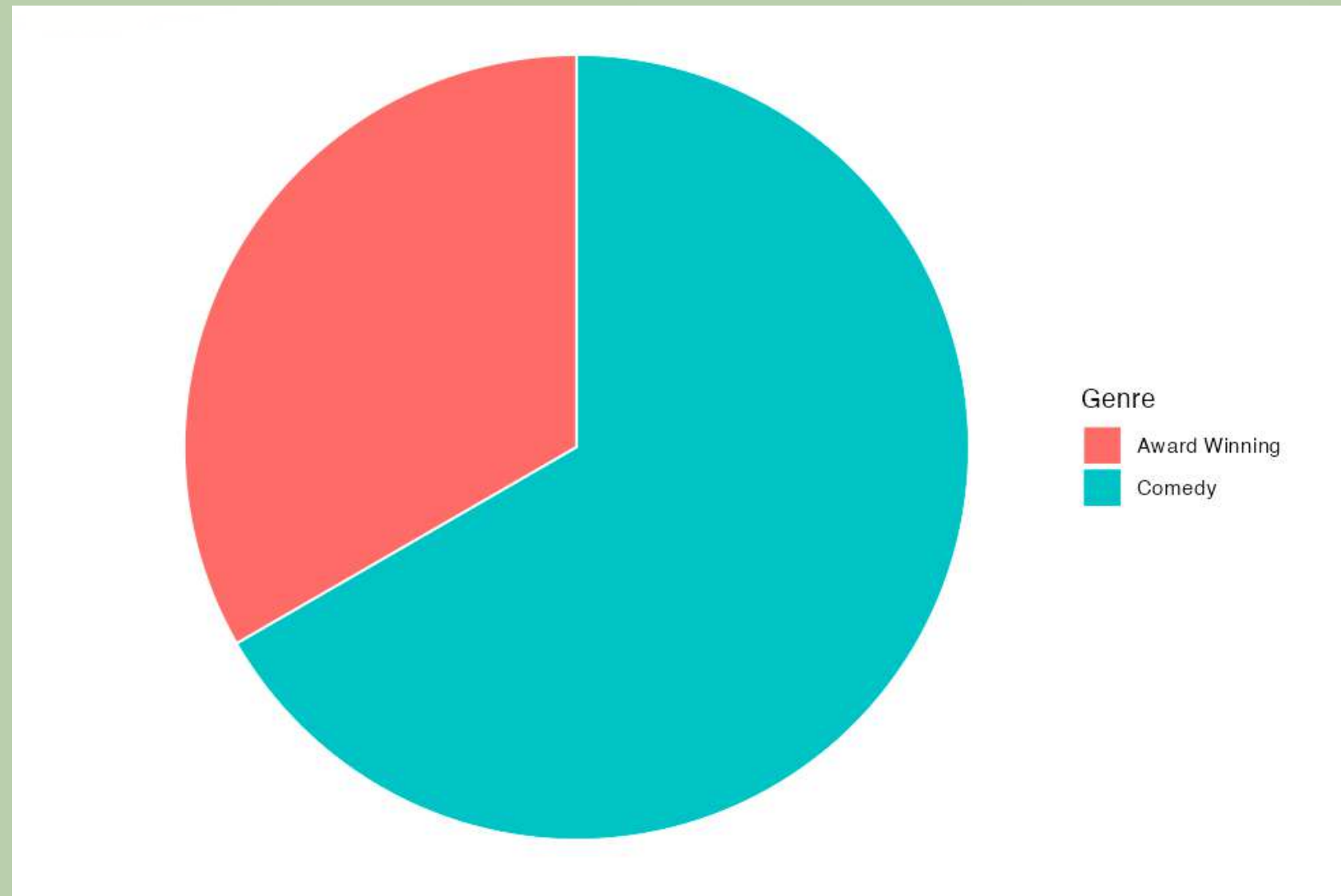


From the pie chart and the box plot, we can see that for the animes with manga as their source, the action genre is more popular than the rest. Comedy, fantasy, horror and supernatural genres appeals lesser to the 17+ audience.



Genre Vs. Data-Points

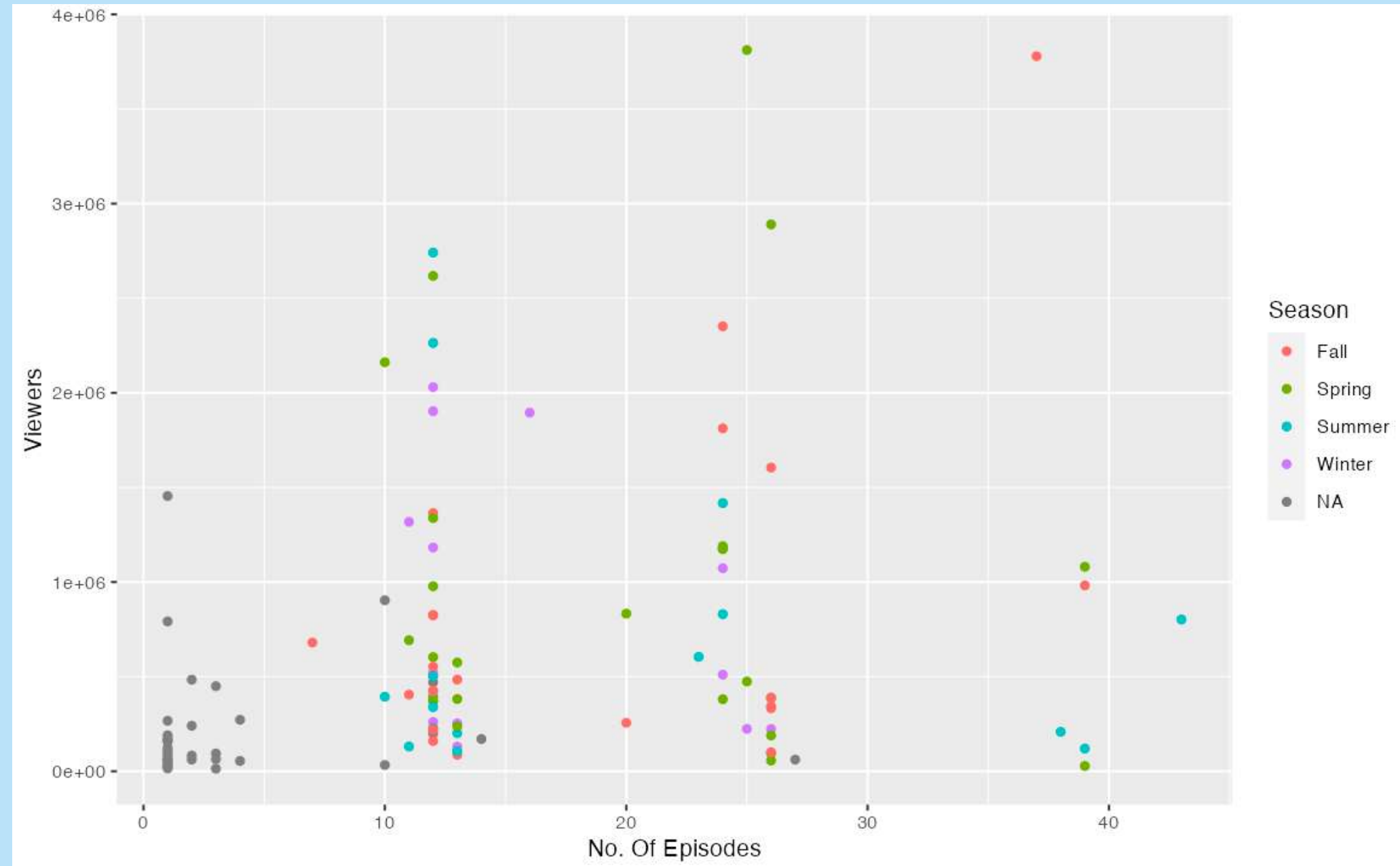
FOR SPECIFIC SETS



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 anime with no. of episodes from 10-30.



Anime Alchemy

Parameters

Source of Anime

Manga

Comparison Parameter

Rating

Target Audience

R - 17+ (violence & profanity)

Sub Division Parameter

Season

Independent Parameter

No. Of Episodes

Maximum Number of Episodes:

1 50 100



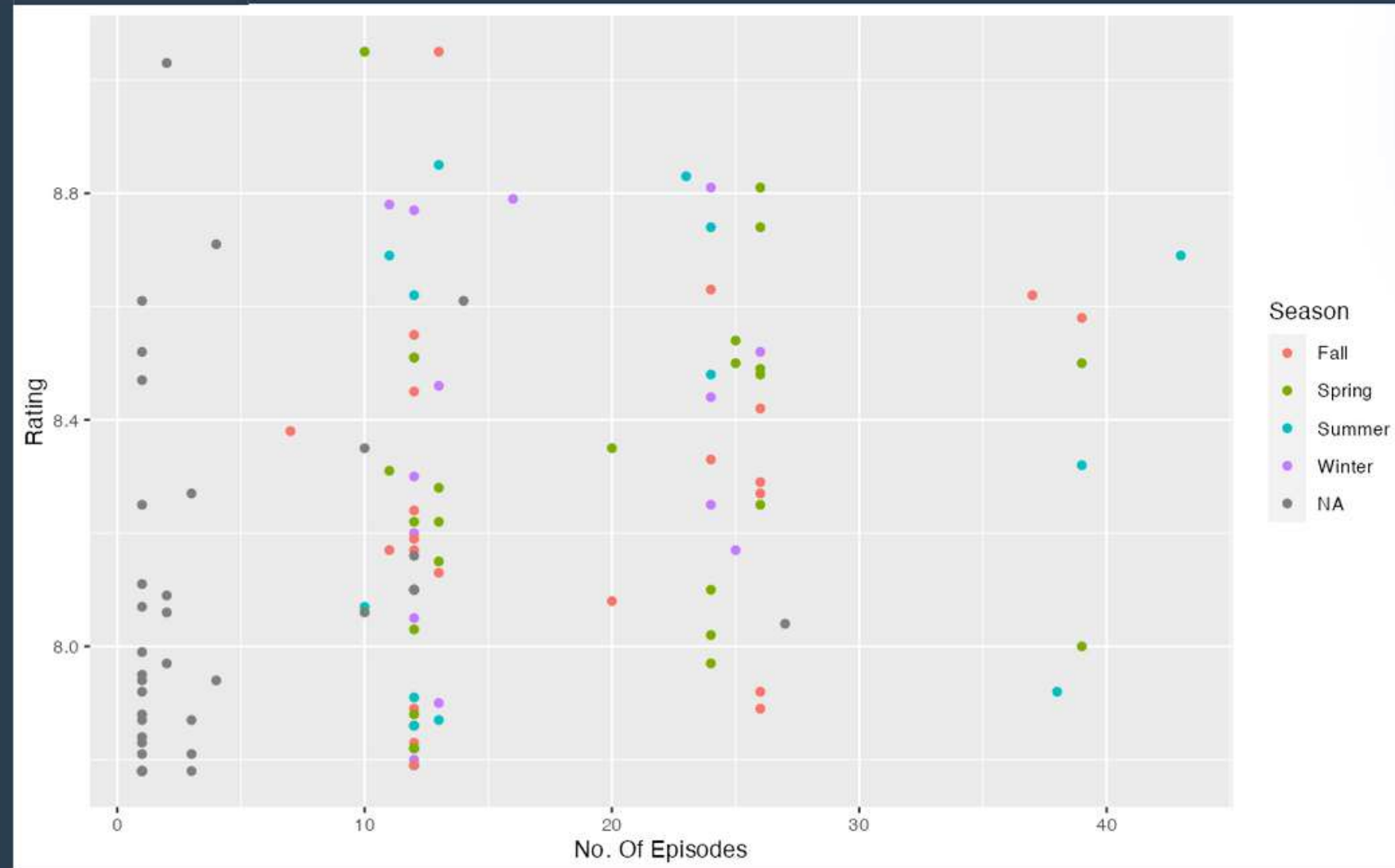
Graphs

Scatter Plot

Bar Plot

Table

Pie Chart



R
Shiny
App

LIKE, SHARE & SUBSCRIBE!

Group : 2

- Zehaan Naik
- Swapnonil Mondal
- Sneha Gupta
- Sarbojit Das

Thank
You

