

# Task A1

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## 1 Dataset

### 1.1 Overview

This dataset consists of a list of animes scrapped from anime recommendation systems such as Anime Planet. The data that is of interest includes the following:

Field	Description	Data Type
Rank	Rank of the anime based on rating	Integer (Starting from 1)
Name	Anime Name	String
Studio	The studio that produced the anime	String
Release Season	Season in which the anime was released	['Spring', 'Summer', 'Autumn', 'Winer']
Release Year	Year in which the anime was released	Year as integer
Tags	List of all the genres/tags the anime belong to	Space-delimited string
Ratings	Rating of the anime	Integer - Rating is out of 5

This dataset is interesting in that it allows us to analyse the popularity and trends in the anime industry across many different years and seasons.

### 1.2 Data origin

<https://www.kaggle.com/datasets/vishalmane10/anime-dataset-2022>

### 1.3 Github Repository

<https://github.com/bryanljx/visualisation>

## 2 Purpose of Visualisation

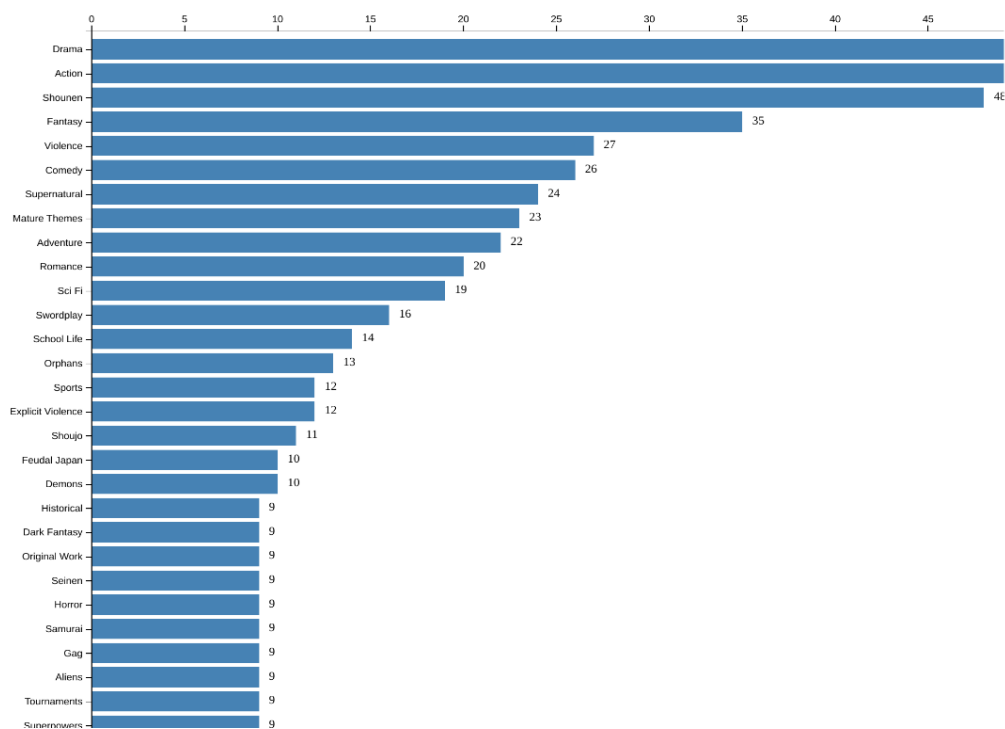
For this dataset, the query of interest is: “What are the trends amongst popular animes across the years? As a follow up, what constitutes the success or popularity of an anime?”

Such a query is naturally of interest to stakeholders such as:

- Anime Watchers
  - Get recommendations on what types of animes to watch from the trending genres as well as anime studios that produce the best animes
- Potential Investors
  - Learn about genres that are popular as well as which studios have always been producing the best animes

## 3 Visualisation

### 3.1 Breakdown of genres of top 100 animes of all time



- A horizontal bar chart was chosen here to show the number of top 100 animes of all time that falls into the various genres.
  - Note: The image was cut off slightly when saving to pdf/screenshot, please load and view the actual webpage instead.
- Visual encoding here includes:

- Length - Denoting the number of animes that belong to that genre

### 3.2 Breakdown of anime studios behind top 100 animes of all time

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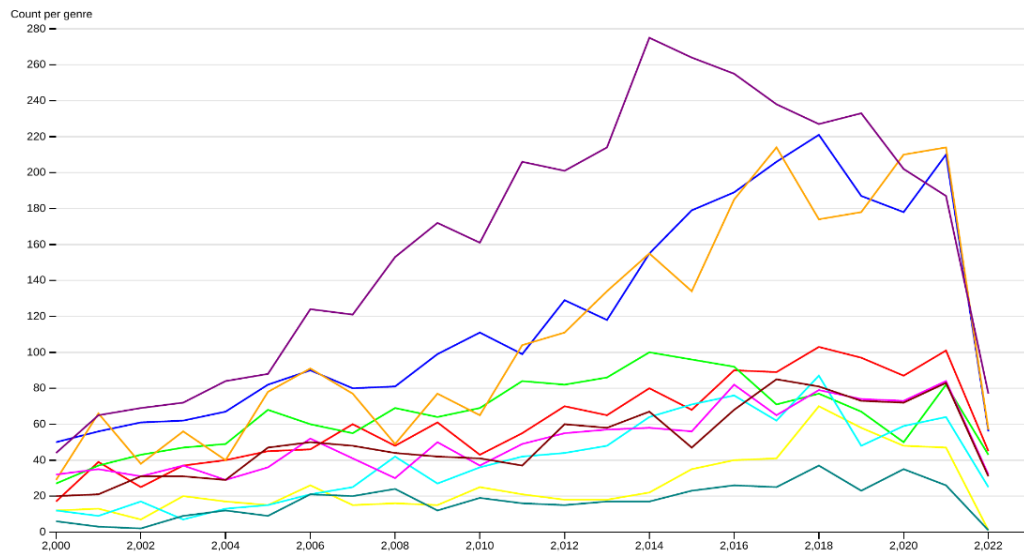
#### Breakdown of anime studios behind top 100 animes of all time



- A pie chart was chosen to show the distribution/percentages of the anime studios that have produced the most number of top 100 animes of all time.
- Visual encoding here includes:
  - Length - Denoting the number of such animes produced
  - Color - Differentiating the anime studios

### 3.3 Number of anime per genre (for the top 10 genres all time) across the year 2000 - 2022

## Number of animes of the top 10 genres from 2000 - 2022



- A line chart was chosen here to display and compare the patterns in the number of animes produced across the years for the top 10 best performing genres of all time.
- Visual encoding here includes:
  - Position - Denoting the magnitude/count of animes per genre
  - Color - Differentiating the different genre