## Problem description:

The objective here is to perform a Linear regression analysis to arrive at a model that can be used to predict the **_Ratings_** received by the enlisted anime releases (Movie/Web series), such that, in future, the anime production studios can develop their strategies which can improve the ratings.

## **Data Dictionary:**

**About the dataset:** This dataset comprises the scrapped information about anime releases (Movie/Web series/etc.) from anime-planet (founded in 2001), which is the first anime & manga recommendation database. It comprises the anime & manga release logistics (Title, Description, Episodes, Duration, etc.) along with the viewer's response behaviour statistics (Watched, Want to watch, Watching, Votes) records from the year 2005 to 15th June, 2020.

**rating:** Average user rating given by the viewers for the anime releases.

**title:** Name of the anime releases.

**mediaType:** Format of publication of the anime releases (Web/DVD special/Movie/TV special/TV).

**eps:** Number of episodes (movies are considered 1 episode).

**duration:** Duration of each episode (in minutes).

**Ongoing:** Whether the anime is ongoing or not (Yes/No).

**sznOfRelease:** The season of release of the anime (Winter/Spring/Fall/Summer).

**description:** Synopsis of plot of the anime.

**studios:** Studios responsible for the creation of different anime.

**tags:** Tags, genres, etc. of different anime.

**contentWarn:** Content warning provided for the different anime.

**watched:** The number of users who completed watching it.

**watching:** The number of users who are watching it.

**wantWatch:** The number of users who want to watch it.

**dropped:** The number of users who dropped it before completion.

**votes:** The number of votes that contribute to the ratings received by different anime.