Project Title:

Movie Data Analysis

Team Members:

Jamie Hutton

Perla Lampinstein

Stefan Kniejski

Jerrod Williams

Alexander Chavera

Project Description/Outline:

Analyzing the data to see which movies are most popular based on genre vs rating, title vs votes director vs average rating, and the correlation between ratings and runtime, and ratings and total votes.

Research Questions to Answer:

1. Which genre has the highest ratings?
   1. Bar graph
   2. Identify the top 5 movies (highest ratings)
   3. Compare top 5 genres with a pie chart
2. Which movie title has the highest votes?
   1. Identify the top 5 movies (most votes)
3. Ratings and runtime scatterplot correlation.
   1. Scatterplot with regression
4. Average ratings and total votes.
   1. Scatterplot with regression
5. What director has the highest average rating?
   1. Identify the top 5 directors by rating

Datasets to Be Used:

https://www.kaggle.com/code/rajatraj0502/tv-movie-metadata-with-genres-and-ratings-2023

Rough Breakdown of Task:

1. Which genre has the highest ratings?
   1. Jerrod Willliams
2. Which movie title has the highest votes?
   1. Perla Lampinstein
3. Ratings and runtime scatterplot correlation.
   1. Jamie Hutton
4. Average ratings and total votes.
   1. Alex Chavera
5. What director has the highest average rating?
   1. Stefan Kniejski