

Alan Matias

CS 4460

Lab 7

For this lab, I have chosen the **movies.csv** dataset. To preface the following features I have implemented for this lab, I will explain the users it is intended for. After looking at a scatterplot matrix in Tableau of the data, I found no interesting / surprising trends:

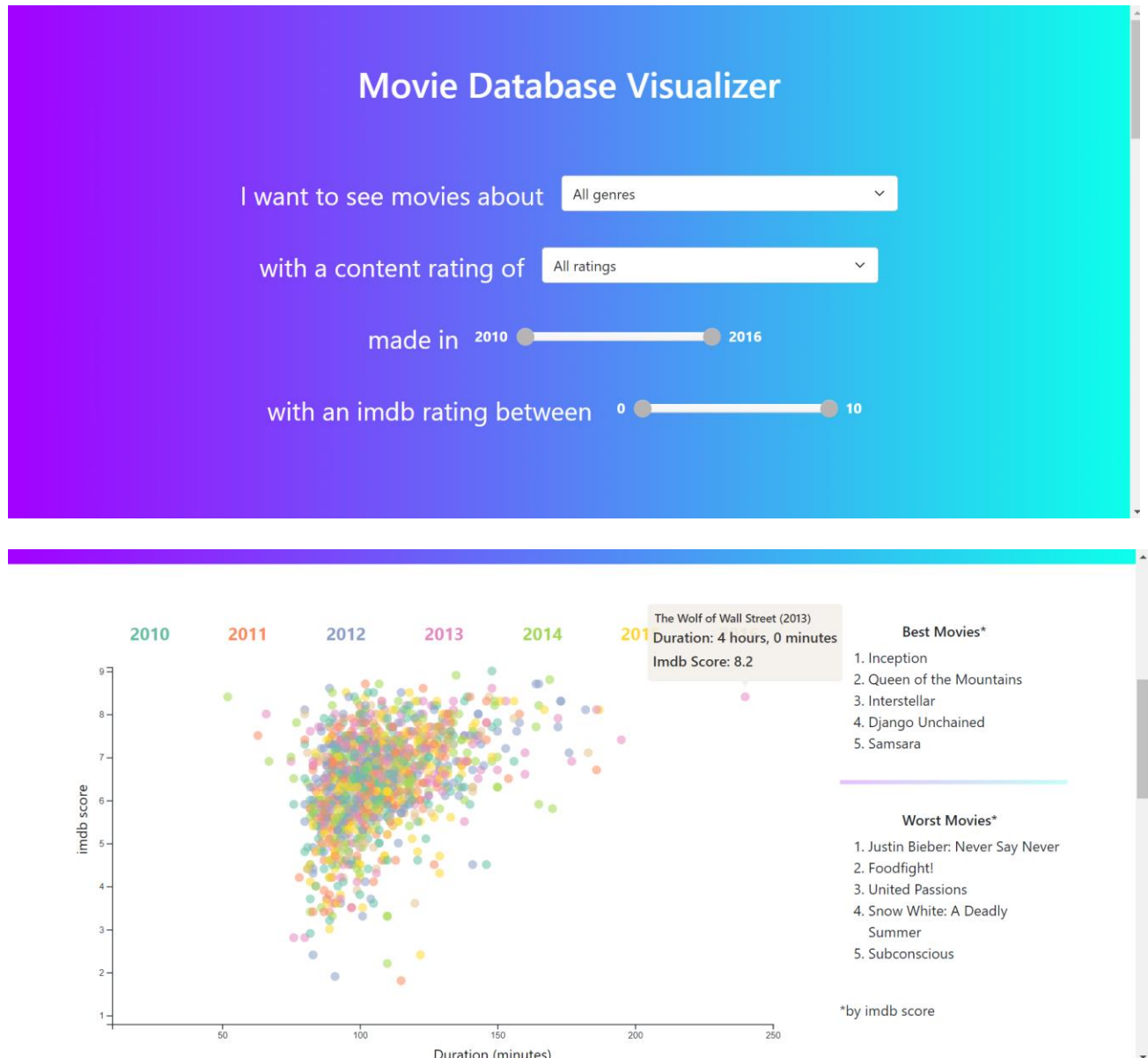


Additionally, aggregated data by year showed similar averages like avg imdb score or gross.

Thus, instead of showing trends in data (of which are unsurprising), I decided to create a visualization like Zillow that lets the user explore data (movies) based on dynamic queries.

The main objective for the user of this viz is someone looking to decide what movie to watch. The user is able to select a genre, a content rating, a range of years, and imdb rating. Based on these parameters, the user will know: the top 5 and bottom 5 movies based on imdb ratings, the top 20 movies in sorted order by Facebook likes, and a word cloud of a random sample of plot keywords. There is also a scatterplot of movies with the duration on the x axis and

the imdb on the y axis. Thus, for example a user with a child can put on the longest movie with a PG rating. Or a group of friends can put on the worst imdb scoring Horror movie for the duration that they want to hang out. Or a user who is bored can look at the word cloud and see something they find interesting like “archery” and can hover over that word and see that the associated movie is “Brave”.



[illegible]

Top 20 movies based on facebook likes

Movie	Facebook Likes (approx.)
The Perks of Being a Wallflower	340,000
The Conjuring	200,000
The Wolf of Wall Street	195,000
The Hunger Games	190,000
Les Misérables	185,000
Gone Girl	175,000
Gravity	165,000
Her	160,000
The Grand Budapest Hotel	160,000
Jurassic World	160,000
The Martian	155,000
The Dark Knight Rises	150,000
The Imitation Game	150,000
The Hobbit: An Unexpected Journey	145,000
Inception	140,000
The Revenant	140,000
Mad Max: Fury Road	135,000
Batman v Superman: Dawn of Justice	130,000
Django Unchained	125,000
Interstellar	120,000