

Movie Connoisseur

The Python code enclosed in this folder creates a movie recommendation tool. It is based on the RottenTomatoes movie rating accessible at <https://www.rottentomatoes.com/>. The twenty-five best-rated movies from eleven genres were first webscraped and then exported into a csv file to be used with pandas. The eleven genres are "All-Time", "Action & Adventure", "Classics", "Comedy", "Documentary", "Drama", "Horror", "Kids & Family", "Mystery & Suspense", "Romance", and "Fiction & Fantasy". The complete list of unique entries totals 160 movies. Google was searched for the description of each movie based on title and year of the movie. The movie recommendation program features six different recommendation options. Firstly, the tool can be used to retrieve information of specific movie by searching for its title in the database. However, the user input does not have to be perfectly accurate. By using difflib, a function is integrated to retrieve close matches to the user input. The second function allows users to filter the database by genre only. Thirdly, users can also search for specific years, as the database includes movies released between 1920 and 2019. In addition, users can also filter for a genre and a minimum number of reviews used to rate the movie. The average number of reviews revolves around 207 with a minimum of 40 and a maximum of 558 reviews. Beyond that, users can also search for a genre and a year to search across genres. Furthermore, users have the opportunity to immediately view the twenty-five best movies of all time. Lastly, users with the desire to explore various movies have the option of "feeling lucky", which displays a list of five randomly selected movies without any duplicates. Any undecided users can also quit the Movie Connoisseur with the exit function "Quit".

Programmed by Artem Markiv, Ashley Mak, Fabiola Weber