Movie Recommender Systems

Subject area

With a large number of films of different genres and with different storylines, it becomes more difficult to find the films that interest us the most. Not always search criteria for such parameters as audience ratings and selection from the same genre give the desired result.

This application will request a certain number of films already watched and issue recommendations for new viewings.

Data used

The data is taken from the dataset on the Kagle site:
https://www.kaggle.com/code/rounakbanik/movie-recommender-systems

List of parameters we are interested in:
- rank – rank from the total number of views
  - type int, i.e. "2"
- original_title – the movie name
  - type string, i.e. "Toy Story"
- vote average – vote average
  - type int, i.e. "9"
- year – film release year
  - type int, i.e. "2020"
- genre – film genre
  - type vector of strings, i.e. "Drama, Action, Crime, Thriller"
- popularity – film popularity
  - type double, i.e. "34.461252"

The list of all features

For the convenience of working with data, the following functionality will be used:
 Adding new entries
- Editing existing
- Deleting data
- Save to CSV file

Additionally, methods will be created that allow:
- display information on request
- give recommendations on the 5 most preferred films
- top 10 best films of a given year
- sorting by parameter

Application sketch

About programm

Main Window

Add / Delete entry

Sorting by parameter

Top 10 best films of a given year

Receive a new recommendation according to your request