Instructions

Step 1: Load the csv file using pandas and display the number of records in it.

```
Step 1
===========================================
85855 records were read from file.
```

Step 2: List of the movies based on user's favorite genre from avg_vote columns

```
Step 2
====================================
['Romance' 'Biography' 'Crime' 'Drama' 'History' 'Adventure' 'Fantasy'
 'War' 'Mystery' 'Horror' 'Western' 'Comedy' 'Family' 'Action' 'Sci-Fi'
 'Thriller' 'Sport' 'Animation' 'Musical' 'Music' 'Film-Noir' 'Adult'
 'Documentary' 'Reality-TV' 'News']

Please select genre: Action
```

- ○ User defines Genre
- ○ Generate Bar Graph based on ranked top 5 results of 1

Step 3: List top 5 movies from the graph, based on the user's favorite genre.
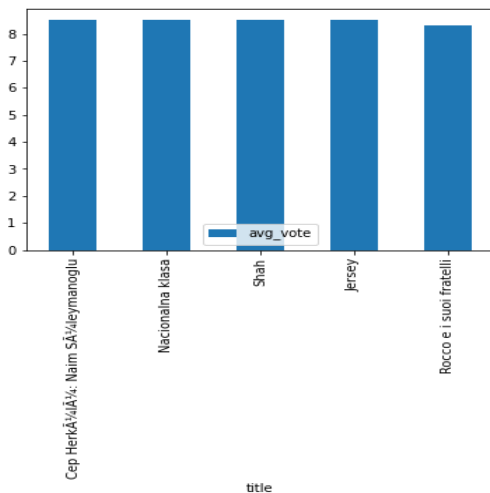
```
Step 3
=============================
Top 5 movies are:
                                    title  avg_vote
83275                      Suvarna Sundari       9.9
56032                                  Ek       9.8
38764  Ramayana: The Legend of Prince Rama       9.0
48078                    Il cavaliere oscuro       9.0
37623                             Kireedam       8.9
```

- List the language of the top 5 movies of the genre selected
- List the countries of the top 5 movies of the genre selected

```
Languages of the top 5 movies are: |
                                    title          language
83275                      Suvarna Sundari  Telugu, Kannada
56032                                  Ek            Telugu
38764  Ramayana: The Legend of Prince Rama           English
48078                    Il cavaliere oscuro  English, Mandarin
37623                             Kireedam         Malayalam
```
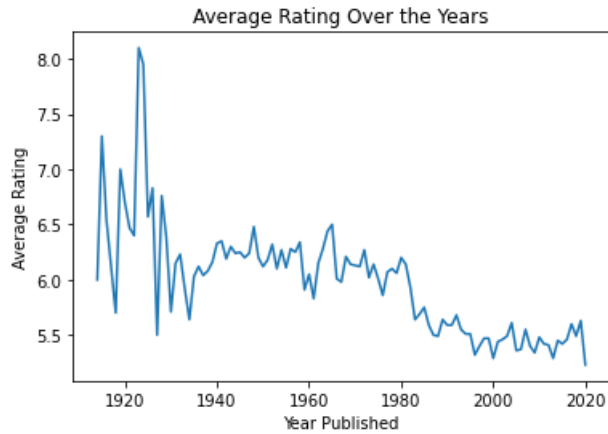
```
TCountries that the top 5 movies are from:
                                    |  title        country
83275                      Suvarna Sundari        India
56032                                  Ek          India
38764  Ramayana: The Legend of Prince Rama  India, Japan
48078                    Il cavaliere oscuro      USA, UK
37623                             Kireedam         India
```

Average Rating Over the Years

Step 4: Sort genre by year range
- ○ (Have Time range come up as a list ex: <1900, 1900-1950, 1950 - 2000, 2000>)
- ○ Summary stats per Time Range such as avg length of movie,ratings
- ○ Show list of ranked movies in specific time range

```
There are 7128 movies in this time period.
The average rating for these movies are 5.45 out of 10.
The average duration for these movies are 109.91919191919192 minutes.

Of these movies, these are the top 5 highest rated:

                                          title  avg_vote
83275                           Suvarna Sundari       9.9
56032                                       Ek       9.8
48078                       Il cavaliere oscuro       9.0
34127  Il Signore degli Anelli - Il ritorno del re   8.9
85021                           Ejen Ali the Movie   8.8

press any key to show next graph:
```

```
Step 4
****************************
press any key to show next graph: 1

Please select the letter that corresponds with the time period that you want to filter by:

1 : 1920's or earlier
2 : In 1920's or 1930's
3 : In 1940's or 1950's
4 : In 1960's or 1970's
5 : In 1980's or 1990's
6 : In 2000's or later

> 6
```

Step 5: Find correlation, by genre, of the other columns (avg_vote vs. duration, metascore, vote count)