

About MovieGraphs

MovieGraphs is a Web application to see movie-related statistics in a graphical way. You put your queries related to movies and the data will be shown to you in a Graphical form. This app is built using Django, Python, Sqlite3, Matplotlib, JQuery, Javascript, Ajax, HTML5, CSS3.

Installations

I have used django version 1.8.7, Python version 3.4.3, Matplotlib, NumPy in my project. You need to install all these things on your system.

Working

This project movieStats contains app inside it called movieGraphs which is the app we are focusing on. It contains the folder movieGraphs. Go inside that folder and you will find files which drives this app. These files are models, admin, urls, forms, views and also contains two sub-folders static and templates. Basically, static folder is used to contain static files such as css, js , images etc. and templates folder contains html files.

Models.py - contains classes which are the tables in the database.

Admin.py - contains code for managing admin panel.

Forms.py - contains code that displays form in the main movieGraphs page.


Urls.py - It's a file which configures the urls of an app. These urls contains patterns for each urls and also links between urls and views(or function).

Views.py – All the business and backend logic is written inside this file. It contains views which performs different functions.

Running App

After doing all the installations. Go to command prompt, and go inside the directory where this project is saved i.e. movieStats and type **manage.py runserver**. Then,

1. Type <http://127.0.0.1:8000/film> on your browser, you will reach to page attached below.



Home Movie News Sample Graph

Profession:


Artist Name:

X-axis:

Y-axis:

Copyright © 2015

2. Now select Profession for Actor, Director and Producer as shown below.



Home Movie News Sample Graph

Profession:


Artist Name:

X-axis:

Y-axis:

Copyright © 2015

3. Type Artist Name according to the Profession which you have selected previously.



home Movie News Sample Graph

Profession:

Artist Name:

e.g. Leonardo DiCaprio

X-axis:


Select Value for X-axis

Y-axis:

Movie

Copyright © 2015

4. Select X-axis and Y-axis values from the dropdown. The graph will be plotted on the basis of these values.



home Movie News Sample Graph

Profession:

Artist Name:

e.g. Leonardo DiCaprio

X-axis:

Select Value for X-axis

Y-axis:

 Select Value for Y-axis
 Rating
 Release
 Budget
 Box_Office

Copyright © 2015

5. Now click on Plot Graph button and you will see that the graph will be plotted depending on the X and Y-axis values and the details about the Artist and the significant movie will also be displayed.



Home Movie News Sample Graph



Leonardo DiCaprio (Actor/Producer)



Titanic (1997)

★★★★★ Rating: 7.7/10

Leonardo DiCaprio's *highest* grossing Movie as Actor

Director: James Cameron

Starring: Leonardo DiCaprio, Kate Winslet, Billy Zane

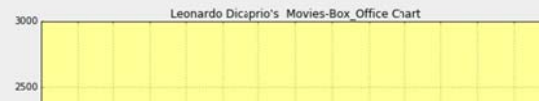
Releasing Year: 1997

Budget: \$200 million

Box-Office: \$2187 million

X-axis Vaules

- 0 : Titanic
- 1 : The Wolf of Wall Street
- 2 : The Departed



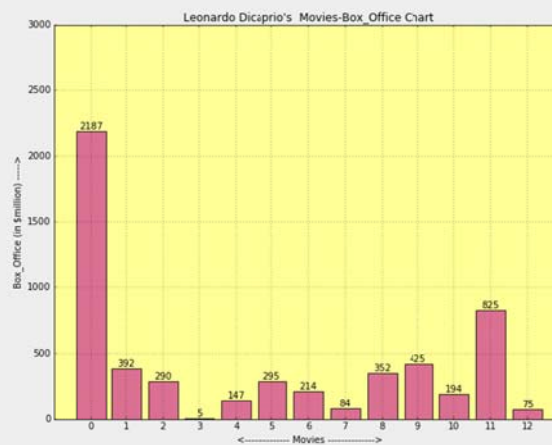
Releasing Year: 1997

Budget: \$200 million

Box-Office: \$2187 million

X-axis Vaules

- 0 : Titanic
- 1 : The Wolf of Wall Street
- 2 : The Departed
- 3 : Celebrity
- 4 : Romeo + Juliet
- 5 : Shutter Island
- 6 : The Aviator
- 7 : J. Edgar
- 8 : Catch Me If You Can
- 9 : Django Unchained
- 10 : Gangs of New York
- 11 : Inception
- 12 : Revolutionary Road



6. You can see that the corresponding X-axis values can be shown on left hand side of the page.

Thank You