

Microsoft Studios Movie Recommendations



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The Problem and the Goal

- How can we go from 0 to 100 and succeed vs other studios?

We will look at many different features of film in order to create an understanding of what we can do to succeed.

The Data and the Tools

Data

- IMDB SQLite Database
- .CSV files with budget and profit information

Tools

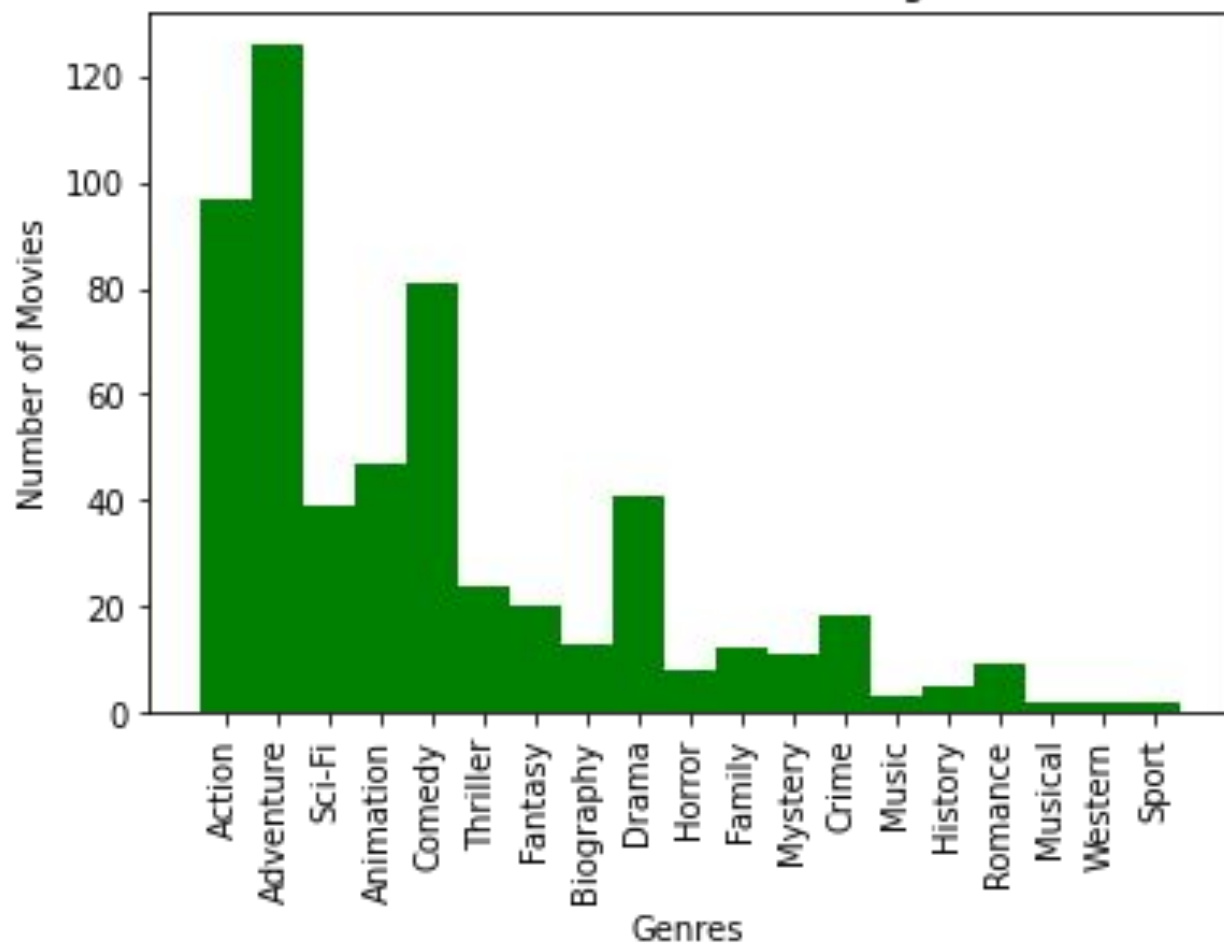
- Python
- Pandas

Recommendation 1:

Make an Action, Adventure, Sci-Fi, or Comedy Film

The 4 key genres: Action, Adventure, Sci-Fi, Comedy

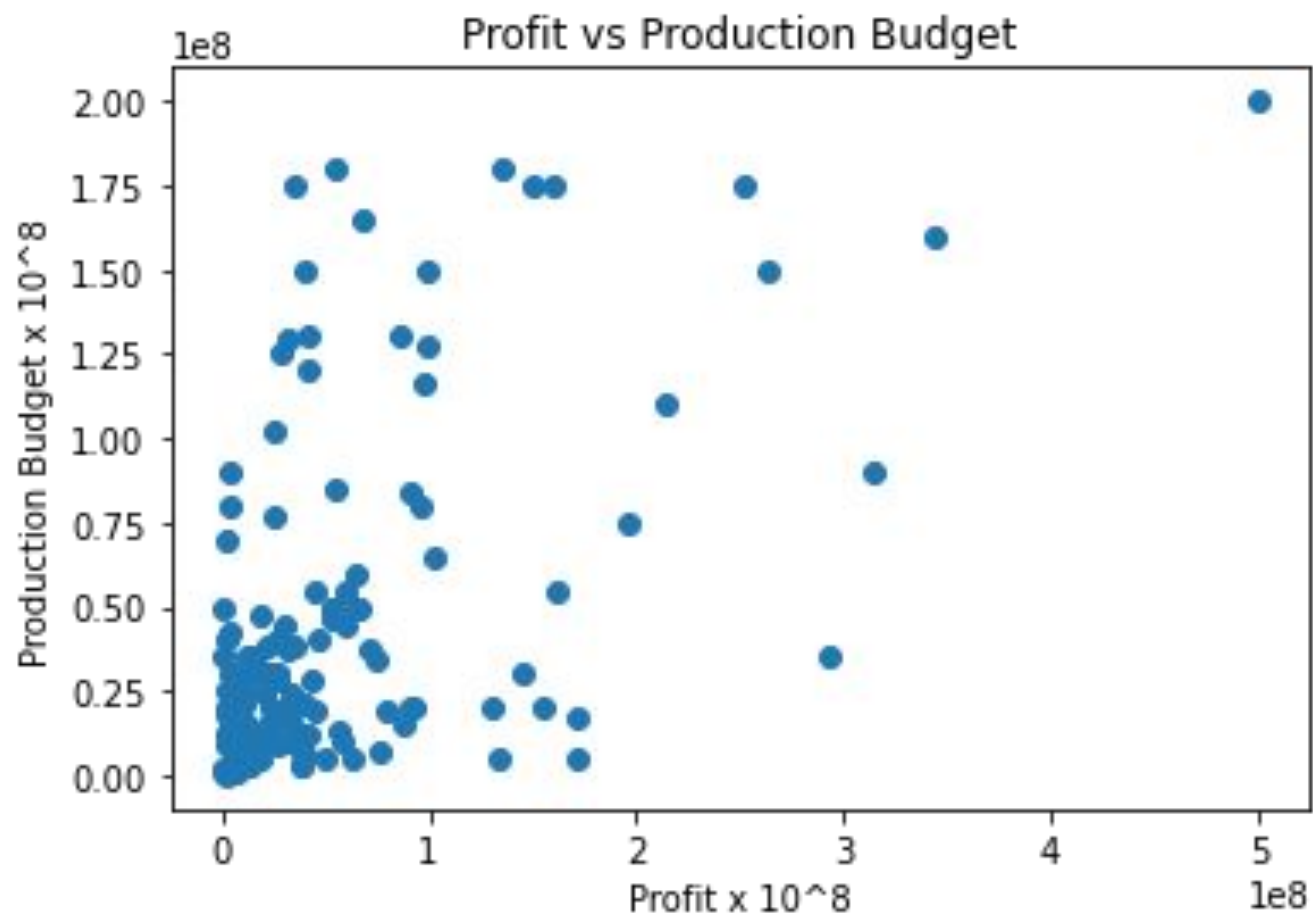
Number of movies within a genre



Recommendation 2:

Target Budget = \$43,000,000

- Why this number?

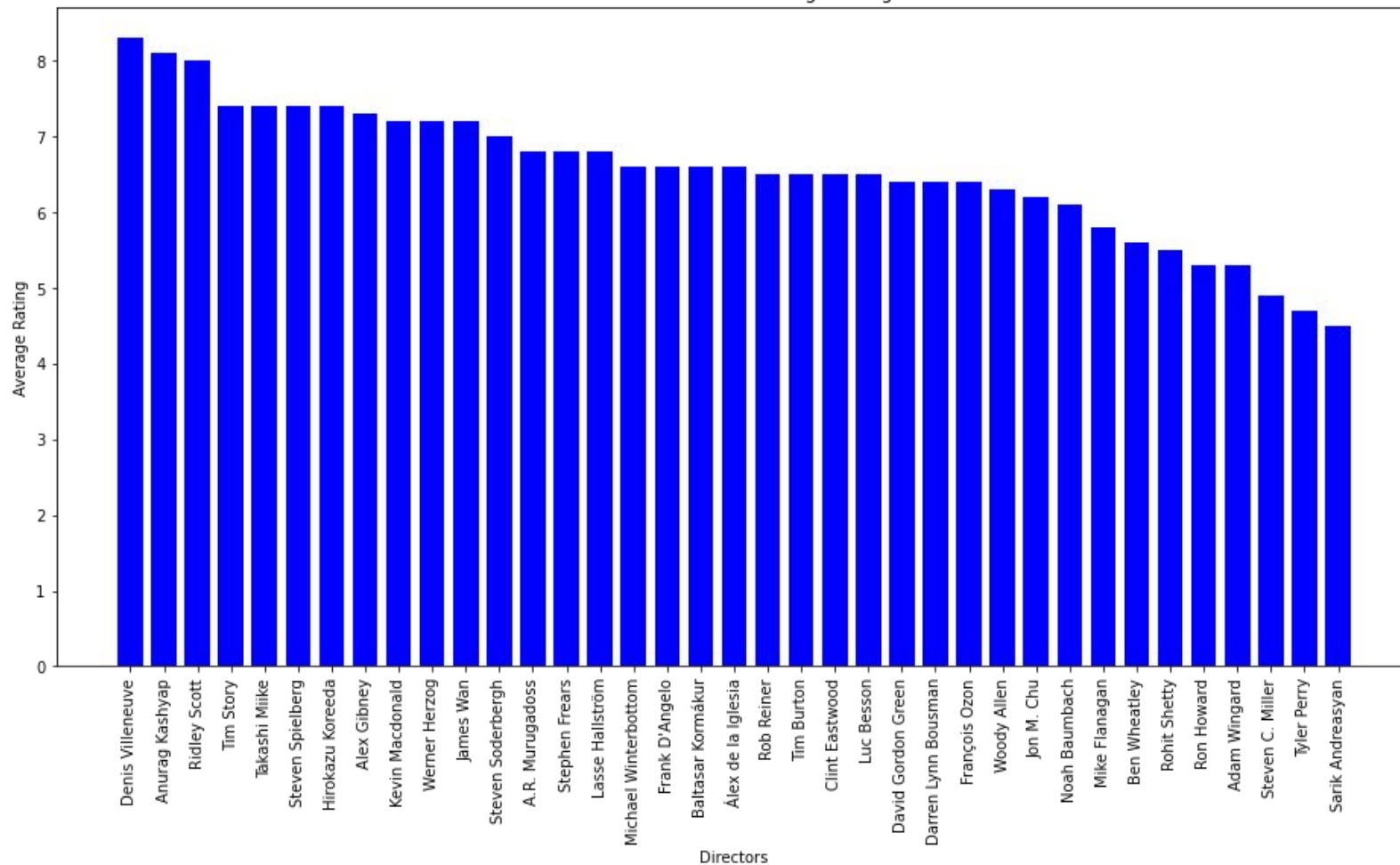


Recommendation 3:

Select a director from the given list

	primary_name	averagerating	num_movies
9	Denis Villeneuve	8.3	6
3	Anurag Kashyap	8.1	9
21	Ridley Scott	8.0	7
32	Tim Story	7.4	7
30	Takashi Miike	7.4	6
29	Steven Spielberg	7.4	7
12	Hirokazu Koreeda	7.4	6
2	Alex Gibney	7.3	8
15	Kevin Macdonald	7.2	6
34	Werner Herzog	7.2	6
13	James Wan	7.2	6
28	Steven Soderbergh	7.0	8
0	A.R. Murugadoss	6.8	7
26	Stephen Frears	6.8	6
16	Lasse Hallström	6.8	7
18	Michael Winterbottom	6.6	6
10	Frank D'Angelo	6.6	6
4	Baltasar Kormákur	6.6	6
36	Álex de la Iglesia	6.6	6
22	Rob Reiner	6.5	6
31	Tim Burton	6.5	6
6	Clint Eastwood	6.5	7
17	Luc Besson	6.5	6
8	David Gordon Green	6.4	8
7	Darren Lynn Bousman	6.4	7
11	François Ozon	6.4	6
35	Woody Allen	6.3	8
14	Jon M. Chu	6.2	7
20	Noah Baumbach	6.1	6
19	Mike Flanagan	5.8	6
5	Ben Wheatley	5.6	6
23	Rohit Shetty	5.5	8
24	Ron Howard	5.3	6
1	Adam Wingard	5.3	8
27	Steven C. Miller	4.9	7
33	Tyler Perry	4.7	12
25	Sarik Andreasyan	4.5	6

Directors and their Average Rating



Recap:

Recommendations:

1. Make an Action, Adventure, Comedy, Sci-Fi movie
2. Target Budget: \$43,000,000
3. Select director from the list provided

Any Questions?

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