

Presentation-Group4

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1 Analysis on IMDb Movie Data

1.1 Group Information

- 1430003004 Jeff
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- ## Collecting Data The data comes from Kaggle, which collects data of 1000 movies.
- ### Kaggle Kaggle is a platform for predictive modelling and analytics competitions in which statisticians and data miners compete to produce the best models for predicting and describing the datasets uploaded by companies and

The screenshot shows a Kaggle dataset page for 'IMDB data from 2006 to 2016'. At the top, there's a navigation bar with 'kaggle', a search bar, and links for 'Competitions', 'Datasets', 'Kernels', 'Discussion', 'Jobs', and more. Below the header, the dataset title 'IMDB data from 2006 to 2016' is displayed, along with a description: 'A data set of 1,000 popular movies on IMDB in the last 10 years.' A timestamp indicates it was 'last updated 6 months ago'. Below the title, there are buttons for 'Overview', 'Data', 'Kernels', 'Discussion', and 'Activity'. A 'Download (133 KB)' button is highlighted in blue. Underneath these buttons, there are tabs for 'Tags' (with 'film' selected), 'small', and 'featured'. The main content area features three sections: 'Top Contributors' (listing Damiano, NoPeriphs, and Ajith Panner), 'Kernels' (listing Sunday EDA, IMDB EDA, and Simple IMDB Data analysis), and 'Discussion' (listing Dataset suggestions, organized by 5 months ago). At the bottom, there's a 'Description' section with a text input field for users to describe the dataset, and a note: 'Here's a data set of 1,000 most popular movies on IMDB in the last 10 years. The data points included are: Title, Genre, Description, Director, Actors, Year, Runtime, Rating, Votes, Revenue, Metascore'. There's also a link: 'Feel free to tinker with it and derive insights.'

users.[Wikipedia]

IMDb IMDb, formerly known as Internet Movie Database, is an online database of information related to films, television programs and video games, including cast, production crew, fictional characters, biographies, plot summaries, trivia and reviews, operated by IMDb.com, Inc., a subsidiary of Amazon.[Wikipedia]

Watch the Latest Episode of "The IMDb Show"

Now Playing (Box Office)

- Coco
- Justice League
- Wonder
- The Disaster Artist
- Thor: Ragnarok

Coming Soon

- Jumanji: Welcome to the Jungle
- The Greatest Showman

Movies on

Gekijo-ban Sword Art Online: Ordinal Scale (2017)

7.5 / 10 (2,108) Rate This

1h 59min | Animation, Action, Adventure | 15 September 2017 (China)

Kirito uncovers a conspiracy within Ordinal Scale, a popular VR game developed for a new system called, The Augma.

Director: Tomohiko Itō
Writers: Tomohiko Itō (screenplay), Reiki Kawahara (characters)
2 more credits »
Stars: Yoshitsugu Matsuoka, Haruka Tomatsu, Kanae Itō | See full cast & crew »

Reviews
12 user | 16 critic

Photos
26 photos »

"The IMDb Show": 'Star Wars' Creatures We Love

From giant slug monsters to adorable space bears, we share our favorite creatures from a galaxy far, far away.
Watch now »

1.2 Analysis

Five analyses were brought out by members in the group. **Analysis on Directors** This analysis was posted by **Junru (Bill) Zhong**, and the following aims were setted.

- * Find out which director earned most.
- * Find out the genres of the works of the five-most earned directors.
- * Estimate how much each of them will get in their next film.

```
In [3]: # Import package
import pandas as pd
# Read data
df = pd.read_csv('../Dataset/IMDB-Movie-Data.csv')
print(df.head())
```

Rank		Title	Genre	\
0	1	Guardians of the Galaxy	Action, Adventure, Sci-Fi	
1	2	Prometheus	Adventure, Mystery, Sci-Fi	
2	3	Split	Horror, Thriller	
3	4	Sing	Animation, Comedy, Family	
4	5	Suicide Squad	Action, Adventure, Fantasy	
Description		Director	\	
0	A group of intergalactic criminals are forced ...	James Gunn		
1	Following clues to the origin of mankind, a te...	Ridley Scott		
2	Three girls are kidnapped by a man with a diag...	M. Night Shyamalan		
3	In a city of humanoid animals, a hustling thea...	Christophe Lourdelet		
4	A secret government agency recruits some of th...	David Ayer		
Actors	Year	Runtime (Minutes)	\	
0	Chris Pratt, Vin Diesel, Bradley Cooper, Zoe S...	2014	121	
1	Noomi Rapace, Logan Marshall-Green, Michael Fa...	2012	124	
2	James McAvoy, Anya Taylor-Joy, Haley Lu Richar...	2016	117	
3	Matthew McConaughey, Reese Witherspoon, Seth Ma...	2016	108	
4	Will Smith, Jared Leto, Margot Robbie, Viola D...	2016	123	
Rating	Votes	Revenue (Millions)	Metascore	
0	8.1	757074	333.13	76.0
1	7.0	485820	126.46	65.0
2	7.3	157606	138.12	62.0
3	7.2	60545	270.32	59.0
4	6.2	393727	325.02	40.0