

IMDB DATASET PROJECT IMAGES

<pre># imdb movie dataset import pandas as pd df=pd.read_csv('imdb_data.csv') df</pre>																	Python
id	belongs_to_collection	budget	genres	homepage	imdb_id	original_language	original_title	overview	popularity	...	release_date	runtime	spoken_languages	status	tagline	title	Keywords
1	[{'id': 313576, 'name': 'Hot Tub Time Machine ...'}]	1400000	[{'id': 35, 'name': 'Comedy'}]	NaN	tt2637294	en	Hot Tub Time Machine 2	When Lou, who has become the "father of the In...	6.575393	—	2/20/15	93.0	[{'iso_639_1': 'en', 'name': 'English'}]	Released	The Laws of Space and Time are About to Be Vio...	Hot Tub Time Machine 2	[{'id': 43, 'name': 'hot travel'}, {'id': 1}
2	[{'id': 107674, 'name': 'The Princess Diaries ...'}]	4000000	[{'id': 35, 'name': 'Comedy'}, {'id': 18, 'nam...	NaN	tt0368933	en	The Princess Diaries 2: Royal Engagement	Mia Thermopolis is now a college graduate and ...	8.248895	—	8/6/04	113.0	[{'iso_639_1': 'en', 'name': 'English'}]	Released	It can take a lifetime to find true love; she'...	The Princess Diaries 2: Royal Engagement	[{'id': 25, 'nam', 'comiconator'}, {'id': 4}
3	NaN	3300000	[{'id': 18, 'name': 'Drama'}]	http://sonyclassics.com/whiplash/	tt2582802	en	Whiplash	Under the direction of a ruthless instructor, ...	64.299990	—	10/10/14	105.0	[{'iso_639_1': 'en', 'name': 'English'}]	Released	The road to greatness can take you to the edge.	Whiplash	[{'id': 14, 'name': 'jaz'}, {'id': 1523, 'n
4	NaN	1200000	[{'id': 53, 'name': 'Thriller'}, {'id': 18, 'n...	http://kahaanithemfilm.com/	tt1821480	hi	Kahaani	Vidya Bagchi (Vidya Balan) arrives in Kolkata ...	3.174936	—	3/9/12	122.0	[{'iso_639_1': 'en', 'name': 'English'}, {'iso...	Released	NaN	Kahaani	[{'id': 1009, 'nam', 'mystery'}, {'105
5	NaN	0	[{'id': 28, 'name': 'Action'}, {'id': 53, 'nam...	NaN	tt1380152	ko	마린보이	Marine Boy is the story of a former national s...	1.148070	—	2/5/09	118.0	[{'iso_639_1': 'ko', 'name': '한국어(조선말)'}	Released	NaN	Marine Boy	Na
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
							Military								It was		

```
df["budget"].mean() # avg of budget movies
np.float64(2251334.11)

df[["budget", "original_title"]].max() # find the name of highest budget and movie name also
budget          3800000000
original_title   회사원
dtype: object

df["runtime"].max() # MAP to get the longest runtime
np.float64(338.0)

df["runtime"].min() # MAP to get the shortest runtime
np.float64(0.0)

#MAP to get those movie whose revenue more than 2 million and spent less than 1 million.
```

```
df[df['original_title']=="Kahaani"][['budget','status']]
```

	budget	status
3	1200000	Released

```
7/5/2025
```

```
import pandas as pd
df.sort_values(['budget'])
```

	id	belongs_to_collection	budget	genres	homepage	imdb_id	original_language	original_title	overview	popularity	...	release_date	runtime	spoken_languages	status
56	57	NaN	0	[[{"id": 35, "name": "Comedy"}, {"id": 18, "name": "Drama"}]]	http://www.joueuse-lefilm.com/	tt1082009	fr	Joueuse	In a small Corsican village, the life of H��len...	2.947980	...	8/5/09	97.0	[[{"iso_639_1": "en", "name": "English"}, {"iso_639_1": "fr", "name": "French"}]]	Released
7	8	NaN	0	[[{"id": 99, "name": "Documentary"}]]	NaN	tt0391024	en	Control Room	A chronicle which provides a rare window into ...	1.949044	...	1/15/04	84.0	[[{"iso_639_1": "ar", "name": "العربية"}, {"iso_639_1": "en", "name": "English"}]]	Released
4	5	NaN	0	[[{"id": 28, "name": "Action"}, {"id": 53, "name": "Thriller"}]]	NaN	tt1380152	ko	마린보이	Marine Boy is the story of a former national s...	1.148070	...	2/5/09	118.0	[[{"iso_639_1": "ko", "name": "한국어/조선말"}, {"iso_639_1": "en", "name": "English"}]]	Released
2112	2113	NaN	0	[[{"id": 18, "name": "Drama"}]]	NaN	tt0107501	en	The Man without a Face	The story of a relationship between a teacher ...	5.997712	...	8/25/93	114.0	[[{"iso_639_1": "en", "name": "English"}]]	Released
				[[{"id": 35, "name": "Comedy"}]]					Arnaud,						