

Day 4 Machine Learning | iScale

```
In [1]: import pandas as pd
import requests
```

API KEY Paste

```
In [2]: response = requests.get('https://api.themoviedb.org/3/movie/top_rated?api_key=5bc643f6')
```

6 Col Select code

```
In [3]: df = pd.DataFrame(response.json()['results'])[['id', 'title', 'release_date', 'overview', 'popularity', 'vote_average']]
```

DF Show

```
In [5]: df.head()
```

```
Out[5]:
```

	id	title	release_date	overview	popularity	vote_average
0	238	The Godfather	1972-03-14	Spanning the years 1945 to 1955, a chronicle o...	146.546	8.709
1	278	The Shawshank Redemption	1994-09-23	Framed in the 1940s for the double murder of h...	127.603	8.705
2	240	The Godfather Part II	1974-12-20	In the continuing saga of the Corleone crime f...	77.946	8.590
3	424	Schindler's List	1993-12-15	The true story of how businessman Oskar Schind...	86.658	8.571
4	19404	Dilwale Dulhania Le Jayenge	1995-10-20	Raj is a rich, carefree, happy-go-lucky second...	50.500	8.546

Get a data from page 5

```
In [6]: response = requests.get('https://api.themoviedb.org/3/movie/top_rated?api_key=5bc643f6')
```

```
In [7]: df1 = pd.DataFrame(response.json()['results'])[['id', 'title', 'release_date', 'overview', 'popularity', 'vote_average']]
```

In [8]: df1

Out[8]:

	id	title	release_date	overview	popularity	vote_average
0	16672	Woman in the Dunes	1964-02-15	An entomologist suffers extreme psychological ...	22.474	8.274
1	670	Oldboy	2003-11-21	With no clue how he came to be imprisoned, dru...	54.408	8.300
2	42269	We All Loved Each Other So Much	1974-12-21	Three partisans bound by a strong friendship r...	12.403	8.265
3	10376	The Legend of 1900	1998-10-28	The story of a virtuoso piano player who lives...	23.066	8.265
4	20334	The Shop Around the Corner	1940-01-12	Two employees at a gift shop can barely stand ...	19.810	8.264
5	1585	It's a Wonderful Life	1946-12-20	A holiday favourite for generations... George...	52.639	8.264
6	315162	Puss in Boots: The Last Wish	2022-12-07	Puss in Boots discovers that his passion for a...	258.974	8.263
7	299534	Avengers: Endgame	2019-04-24	After the devastating events of Avengers: Infi...	171.100	8.261
8	635302	Demon Slayer -Kimetsu no Yaiba- The Movie: Mug...	2020-10-16	Tanjiro Kamado, joined with Inosuke Hashibira,...	93.825	8.257
9	618344	Justice League Dark: Apokolips War	2020-05-05	Earth is decimated after intergalactic tyrant ...	30.353	8.300
10	8587	The Lion King	1994-06-24	A young lion prince is cast out of his pride b...	112.646	8.256
11	1026227	There's Still Tomorrow	2023-10-26	Delia is a typical housewife in post-war Italy...	15.630	8.252
12	299536	Avengers: Infinity War	2018-04-25	As the Avengers and their allies have continue...	255.971	8.252
13	361743	Top Gun: Maverick	2022-05-24	After more than thirty years of service as one...	166.031	8.248
14	265177	Mommy	2014-09-19	A peculiar neighbor offers hope to a recent wi...	22.680	8.246
15	508965	Klaus	2019-11-08	When Jesper distinguishes himself as the Posta...	45.654	8.245
16	504253	I Want to Eat Your Pancreas	2018-09-01	After his classmate and crush is diagnosed wit...	38.057	8.245
17	851644	20th Century Girl	2022-10-06	Yeon-du asks her best friend Bora to collect a...	93.524	8.244
18	626332	Flamin' Hot	2023-03-11	The inspiring true story of Richard Montañez, ...	70.358	8.244
19	490132	Green Book	2018-11-16	Tony Lip, a bouncer in 1962, is hired to drive...	78.481	8.244

In [10]: df1.shape

Out[10]: (20, 6)

In [11]: df1.to_csv('movies.csv')

In [12]: df1

Out[12]:

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In [13]: df.to_csv('movies_Page1.csv')

In [14]: df

Out[14]:

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4	19404	Dilwale Dulhania Le Jayenge	1995-10-20	Raj is a rich, carefree, happy-go-lucky second...	50.500	8.546
5	389	12 Angry Men	1957-04-10	The defense and the prosecution have rested an...	51.052	8.545
6	129	Spirited Away	2001-07-20	A young girl, Chihiro, becomes trapped in a st...	118.006	8.540
7	496243	Parasite	2019-05-30	All unemployed, Ki-taek's family takes peculia...	127.163	8.515
8	155	The Dark Knight	2008-07-16	Batman raises the stakes in his war on crime. ...	138.469	8.513
9	497	The Green Mile	1999-12-10	A supernatural tale set on death row in a Sout...	76.548	8.509
10	372058	Your Name.	2016-08-26	High schoolers Mitsuha and Taki are complete s...	92.874	8.505
11	680	Pulp Fiction	1994-09-10	A burger-loving hit man, his philosophical par...	84.105	8.489
12	122	The Lord of the Rings: The Return of the King	2003-12-01	Aragorn is revealed as the heir to the ancient...	112.150	8.476
13	13	Forrest Gump	1994-06-23	A man with a low IQ has accomplished great thi...	98.160	8.476
14	429	The Good, the Bad and the Ugly	1966-12-23	While the Civil War rages on between the Union...	70.084	8.470
15	769	GoodFellas	1990-09-12	The true story of Henry Hill, a half-Irish, ha...	85.372	8.466
16	12477	Grave of the Fireflies	1988-04-15	In the final months of World War II, 14-year-o...	0.600	8.456
17	637	Life Is Beautiful	1997-12-20	A touching story of an Italian book seller of ...	56.330	8.455
18	346	Seven Samurai	1954-04-26	A samurai answers a village's request for prot...	41.085	8.453
19	11216	Cinema Paradiso	1988-11-17	A filmmaker recalls his childhood, when he fel...	45.706	8.449

In []: