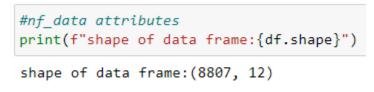
Insights from Netflix Business case study

DATASET Review:

• The dataset has 8807 rows and 12 unique columns.



	show_id	type	title	director	cast	country	date_added	release_year	rating	duration	listed_in	description
count	8807	8807	8807	8807	8807	8807	8807	8807.000000	8807	8807	8807	8807
unique	8807	2	8807	4529	7693	749	1768	NaN	18	221	514	8775
unique	8807	2	8807	4529	/693	749	1768	NaN	18	221	514	8

Nonunique, repeated columns: type,country,date_added,rating,duration,listed_in Unique, non-repeated columns:show_id, title, description

 Top 10 directors who made the highest number of films. Rajiv Chilaka made highest number of films compared to other directors

	director	title
1	Rajiv Chilaka	22
2	Jan Suter	21
3	Raúl Campos	19
4	Suhas Kadav	16
5	Marcus Raboy	16
6	Jay Karas	15
7	Cathy Garcia-Molina	13
8	Martin Scorsese	12
9	Youssef Chahine	12
10	Jay Chapman	12

• Highest director-actor combination

director	cast	title
Rajiv Chilaka	Julie Tejwani	19
Rajiv Chilaka	Rajesh Kava	19
Rajiv Chilaka	Rupa Bhimani	18
Rajiv Chilaka	Jigna Bhardwaj	18
Rajiv Chilaka	Vatsal Dubey	16
Rajiv Chilaka	Mousam	13
Rajiv Chilaka	Swapnil	13
Suhas Kadav	Saurav Chakraborty	8
S.S. Rajamouli	Rana Daggubati	7
S.S. Rajamouli	Sathyaraj	7
S.S. Rajamouli	Nassar	7
Yılmaz Erdoğan	Yılmaz Erdoğan	7
S.S. Rajamouli	Prabhas	7
S.S. Rajamouli	Anushka Shetty	7

• Highest films by actors

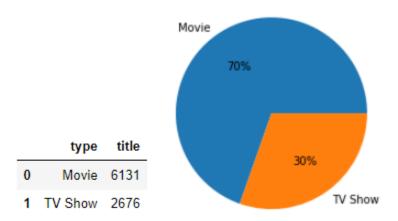
cast	title
Anupam Kher	43
Shah Rukh Khan	35
Julie Tejwani	33
Naseeruddin Shah	32
Takahiro Sakurai	32
Rupa Bhimani	31
Om Puri	30
Akshay Kumar	30
Yuki Kaji	29
Paresh Rawal	28

In the year 2018, the highest number of films was released, precisely 1147.
 Consequently, in the year 2017, the second highest number of films was released, precisely 1032. Year-wise released data is as follows

	title	
0	2018	1147
1	2017	1032
2	2019	1030
3	2020	953
4	2016	902
5	2021	592
6	2015	560
7	2014	352
8	2013	288
9	2012	237

The number of films is exponentially increased from 2000 to 2018 after that sudden decrease in the number of films released.

• The titles are given data broadly into two categories. Those are movies and Tv shows. Overall more movies are released than TV shows on Netflix. The statistical data is as follows



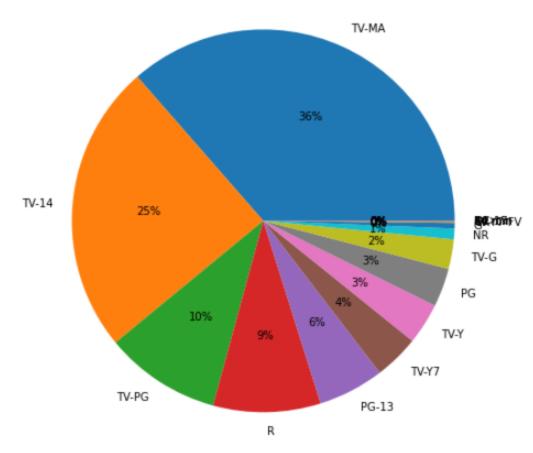
- 42 different genre titles are available on Netflix. Most titles are listed in international movies.
 - 1. The top five listed categories are international_movies, Dramas, Comedies, International Tv Shows, and Documentaries.

2. The last five listed categories are TV shows, classic and cult TV, stand-up comedy and talk show, movies, and TV thriller

	listed_in	title
0	International Movies	2752
1	Dramas	2427
2	Comedies	1674
3	International TV Shows	1351
4	Documentaries	869
5	Action & Adventure	859
37	TV Thrillers	57
38	Movies	57
39	Stand-Up Comedy & Talk Shows	56
40	Classic & Cult TV	28
41	TV Shows	16

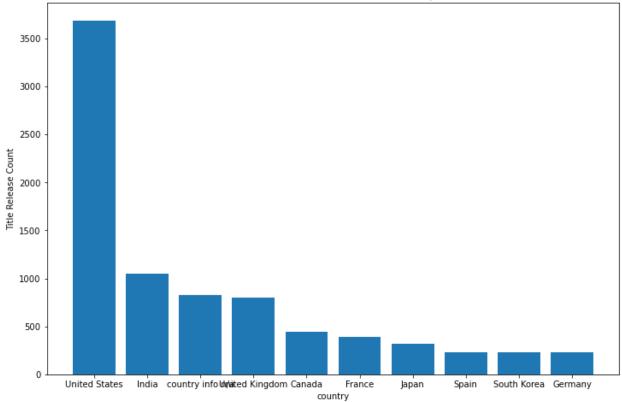
• 17 different ratings were given to the tiles on Netflix's data. Most of the titles given a rating of TV-MA, and the number of titles belongs to TV-MA is 3207. TV-MA ratings are 36.43% of overall ratings

	rating	title	percentage
0	TV-MA		36.43
1	TV-14	2160	24.54
2	TV-PG	863	9.80
3	R	799	9.08
4	PG-13	490	5.57
5	TV-Y7	334	3.79
6	TV-Y	307	3.49
7	PG	287	3.26
8	TV-G	220	2.50
9	NR	80	0.91
10	G	41	0.47
11	TV-Y7-FV	6	0.07
12	UR	3	0.03
13	NC-17	3	0.03
14	74 min	1	0.01
15	84 min	1	0.01
16	66 min	1	0.01



 In usa country highest titles released so far, after that India, uk,canada, france

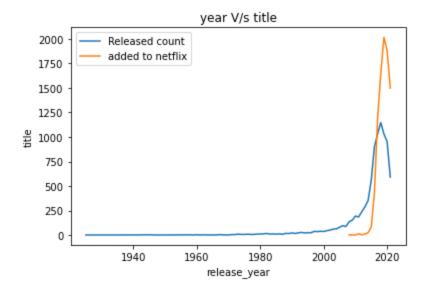




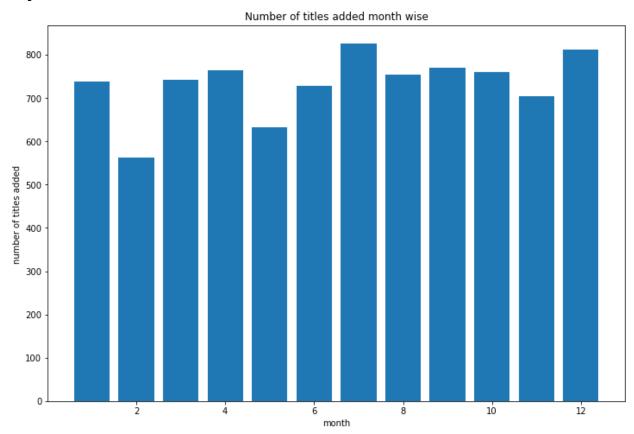
• Even though more films were released in the year 2018, more films were added to Netflix in the year 2019.

	Year	title
11	2019.0	2016
12	2020.0	1879
10	2018.0	1649
13	2021.0	1498
9	2017.0	1188

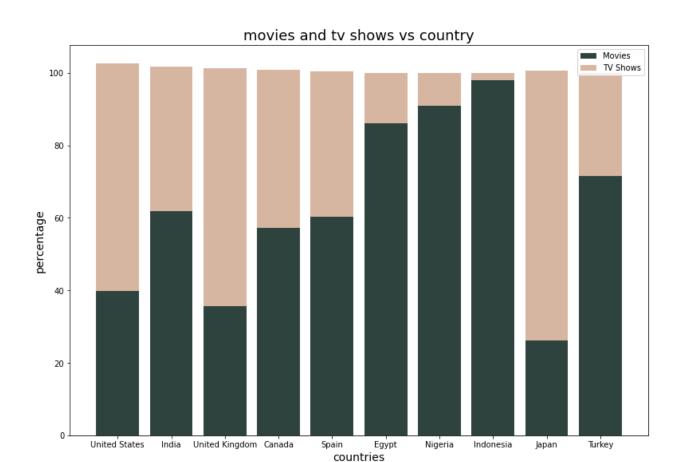
• Until 2019 the number of titles added to Netflix was less than number of films released. From 2019 onwards more films added to Netflix than films released.



Most of the films to Netflix were added in July month, afterward December,
 May



Country wise the type of title distribution is evaluated.



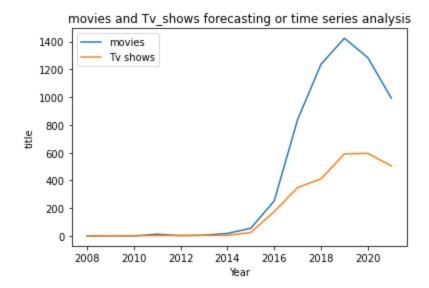
- 1. In USA, the percentage of TV shows more than movies
- 2. In India, the percentage of movies more than TV shows
 Similar analysis can be observed for other countries from the
 above chart
- Maximum number of TV shows with 1 season on Netflix. 1793 TV shows are available on Netflix with 1 season. The maximum number of seasons per TV show is 17.

	num_seasons	title
0	1	1793
1	2	425
2	3	199
3	4	95
4	5	65
5	6	33
6	7	23
7	8	17
8	9	9
9	10	7
10	13	3
11	11	2
12	12	2
13	15	2
14	17	1

- Mean running sessions of TV shows on Netflix is 1.76 sessions
- Movies with a duration of 90 minutes are highest on Netflix

	cast_time	title
0	90	152
1	93	146
2	94	146
3	97	146
4	91	144
5	95	137
6	96	130
7	92	129
8	102	122
9	98	120

• The pattern of movies and tv shows added to Netflix followed same pattern



Recommendations:

- Netflix has more titles in the month of July and April. Hence, these months
 website availability should be high and not let down the website.
- Netflix have more titles from USA, India, UK, Canada. Netflix should focus on other countries which have lower title count like Mexico, china
- The title count added in netflix is decreased from 2018, reason for decrease in count should be investigated
- Most genres are international movies, dramas, comedies, international tv shows, and documentaries. The remaining genres count is less on Netflix compared to other genres. It should be carefully investigated that why other genres count is less due to less availability or user interest.