

Analisis Dataset Netflix

Cargar el dataset

Dataset descargado de Kaggle para práctica

```
In [1]: import pandas as pd
df = pd.read_csv("netflix_titles.csv")
print(df.head())
```

	show_id	type	title	director	\
0	s1	Movie	Dick Johnson Is Dead	Kirsten Johnson	
1	s2	TV Show	Blood & Water	NaN	
2	s3	TV Show	Ganglands	Julien Leclercq	
3	s4	TV Show	Jailbirds New Orleans	NaN	
4	s5	TV Show	Kota Factory	NaN	

	cast	country	\
0	NaN	United States	
1	Ama Qamata, Khosi Ngema, Gail Mabalane, Thaban...	South Africa	
2	Sami Bouajila, Tracy Gotoas, Samuel Jouy, Nabi...	NaN	
3	NaN	NaN	
4	Mayur More, Jitendra Kumar, Ranjan Raj, Alam K...	India	

	date_added	release_year	rating	duration	\
0	September 25, 2021	2020	PG-13	90 min	
1	September 24, 2021	2021	TV-MA	2 Seasons	
2	September 24, 2021	2021	TV-MA	1 Season	
3	September 24, 2021	2021	TV-MA	1 Season	
4	September 24, 2021	2021	TV-MA	2 Seasons	

	listed_in	\
0	Documentaries	
1	International TV Shows, TV Dramas, TV Mysteries	
2	Crime TV Shows, International TV Shows, TV Act...	
3	Docuseries, Reality TV	
4	International TV Shows, Romantic TV Shows, TV ...	

	description
0	As her father nears the end of his life, filmm...
1	After crossing paths at a party, a Cape Town t...
2	To protect his family from a powerful drug lor...
3	Feuds, flirtations and toilet talk go down amo...
4	In a city of coaching centers known to train I...

```
In [2]: df.head()
```

Out[2]:

	show_id	type	title	director	cast	country	date_added	release_year	rating
0	s1	Movie	Dick Johnson Is Dead	Kirsten Johnson	NaN	United States	September 25, 2021	2020	PG-
1	s2	TV Show	Blood & Water	NaN	Ama Qamata, Khosi Ngema, Gail Mabalane, Thaban...	South Africa	September 24, 2021	2021	T M
2	s3	TV Show	Ganglands	Julien Leclercq	Sami Bouajila, Tracy Gotoas, Samuel Jouy, Nabi...	NaN	September 24, 2021	2021	T M
3	s4	TV Show	Jailbirds New Orleans	NaN	NaN	NaN	September 24, 2021	2021	T M
4	s5	TV Show	Kota Factory	NaN	Mayur More, Jitendra Kumar, Ranjan Raj, Alam K...	India	September 24, 2021	2021	T M

In [3]: df.head(20)

Out[3]:

	show_id	type	title	director	cast	country	date_added	release_yr
0	s1	Movie	Dick Johnson Is Dead	Kirsten Johnson	NaN	United States	September 25, 2021	2020
1	s2	TV Show	Blood & Water	NaN	Ama Qamata, Khosi Ngema, Gail Mabalane, Thaban...	South Africa	September 24, 2021	2020
2	s3	TV Show	Ganglands	Julien Leclercq	Sami Bouajila, Tracy Gotoas, Samuel Jouy, Nabi...	NaN	September 24, 2021	2020
3	s4	TV Show	Jailbirds New Orleans	NaN	NaN	NaN	September 24, 2021	2020
4	s5	TV Show	Kota Factory	NaN	Mayur More, Jitendra Kumar, Ranjan Raj, Alam K...	India	September 24, 2021	2020
5	s6	TV Show	Midnight Mass	Mike Flanagan	Kate Siegel, Zach Gilford, Hamish Linklater, H...	NaN	September 24, 2021	2020
6	s7	Movie	My Little Pony: A New Generation	Robert Cullen, José Luis Ucha	Vanessa Hudgens, Kimiko Glenn, James Marsden, ...	NaN	September 24, 2021	2020
7	s8	Movie	Sankofa	Haile Gerima	Kofi Ghanaba, Oyafunmike Ogunlano, Alexandra D...	United States, Ghana, Burkina Faso,	September 24, 2021	1990

show_id	type		title	director	cast	country	date_added	release_y
8	s9	TV Show	The Great British Baking Show	Andy Devonshire	Mel Giedroyc, Sue Perkins, Mary Berry, Paul Ho...	United Kingdom	September 24, 2021	2021
					Melissa McCarthy, Chris O'Dowd, Kevin Kline, T...	United States	September 24, 2021	2021
9	s10	Movie	The Starling	Theodore Melfi				
10	s11	TV Show	Vendetta: Truth, Lies and The Mafia	NaN	NaN	NaN	September 24, 2021	2021
11	s12	TV Show	Bangkok Breaking	Kongkiat Komesiri	Sukollawat Kanarot, Sushar Manaying, Pavarit M...	NaN	September 23, 2021	2021
12	s13	Movie	Je Suis Karl	Christian Schwochow	Luna Wedler, Jannis Niewöhner, Milan Peschel, ...	Germany, Czech Republic	September 23, 2021	2021
13	s14	Movie	Confessions of an Invisible Girl	Bruno Garotti	Klara Castanho, Lucca Picon, Júlia Gomes, Marc...	NaN	September 22, 2021	2021
14	s15	TV Show	Crime Stories: India Detectives	NaN	NaN	NaN	September 22, 2021	2021
15	s16	TV Show	Dear White People	NaN	Logan Browning, Brandon P. Bell, DeRon Horton,...	United States	September 22, 2021	2021

	show_id	type	title	director	cast	country	date_added	release_yr
16	s17	Movie	Europe's Most Dangerous Man: Otto Skorzeny in ...	Pedro de Echave García, Pablo Azorín Williams	NaN	NaN	September 22, 2021	2021
17	s18	TV Show	Falsa identidad	NaN	Luis Ernesto Franco, Camila Sodi, Sergio Goyri...	Mexico	September 22, 2021	2021
18	s19	Movie	Intrusion	Adam Salky	Freida Pinto, Logan Marshall-Green, Robert Joh...	NaN	September 22, 2021	2021
19	s20	TV Show	Jaguar	NaN	Blanca Suárez, Iván Marcos, Óscar Casas, Adriá...	NaN	September 22, 2021	2021

In [4]: `df.info()`

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 8807 entries, 0 to 8806
Data columns (total 12 columns):
#   Column          Non-Null Count  Dtype
---  ---
0   show_id         8807 non-null   object
1   type            8807 non-null   object
2   title           8807 non-null   object
3   director        6173 non-null   object
4   cast            7982 non-null   object
5   country         7976 non-null   object
6   date_added      8797 non-null   object
7   release_year    8807 non-null   int64
8   rating          8803 non-null   object
9   duration        8804 non-null   object
10  listed_in       8807 non-null   object
11  description     8807 non-null   object
dtypes: int64(1), object(11)
memory usage: 825.8+ KB
```

In [5]: `df.columns`

```
Out[5]: Index(['show_id', 'type', 'title', 'director', 'cast', 'country', 'date_added',  
            'release_year', 'rating', 'duration', 'listed_in', 'description'],  
            dtype='object')
```

```
In [6]: df.describe()
```

```
Out[6]:
```

	release_year
--	--------------

count	8807.000000
-------	-------------

mean	2014.180198
------	-------------

std	8.819312
-----	----------

min	1925.000000
-----	-------------

25%	2013.000000
-----	-------------

50%	2017.000000
-----	-------------

75%	2019.000000
-----	-------------

max	2021.000000
-----	-------------

```
In [7]: df.shape
```

```
Out[7]: (8807, 12)
```

```
In [8]: df.sample(10)
```

Out[8]:

	show_id	type	title	director	cast	country	date_added	release_y
7213	s7214	Movie	Kiss the Girls	Gary Fleder	Morgan Freeman, Ashley Judd, Cary Elwes, Alex ...	United States	January 1, 2020	1
3378	s3379	TV Show	Nailed It! Spain	NaN	La Terremoto de Alcorcón, Christian Escribà	Spain	October 25, 2019	2
1545	s1546	TV Show	Pup Academy	NaN	Christian Convery, Don Lake, Chance Hurstfield...	United States	December 15, 2020	2
8330	s8331	Movie	The Great Battle	NaN	Zo In-sung, Nam Joo-hyuk, Park Sung-woong, Bae...	South Korea	April 8, 2019	2
7555	s7556	Movie	Nails	Dennis Bartok	Leah McNamara, Shauna Macdonald, Steve Wall, R...	Ireland	March 10, 2018	2
1530	s1531	TV Show	Schulz Saves America	Alexx Media	Andrew Schulz	United States	December 17, 2020	2
4057	s4058	TV Show	Northern Rescue	NaN	William Baldwin, Kathleen Robertson, Spencer M...	Canada	March 1, 2019	2
7532	s7533	Movie	My Brother ... Nikhil	Onir	Juhi Chawla, Sanjay Suri, Victor Banerjee, Lil...	India	October 30, 2018	2

	show_id	type	title	director	cast	country	date_added	release_y
1109	s1110	Movie	Just Say Yes	Appie Boudellah, Aram van de Rest	Yolanthe Cabau, Noortje Herlaar, Kim-Lian van ...	Netherlands	April 2, 2021	2
3969	s3970	TV Show	Traitors	NaN	Emma Appleton, Michael Stuhlbarg, Luke Treadaw...	United Kingdom	March 29, 2019	2

```
In [10]: df.tail()
```


Out[10]:

	show_id	type	title	director	cast	country	date_added	release_year
8802	s8803	Movie	Zodiac	David Fincher	Mark Ruffalo, Jake Gyllenhaal, Robert Downey J...	United States	November 20, 2019	2007
8803	s8804	TV Show	Zombie Dumb	NaN	NaN	NaN	July 1, 2019	2018
8804	s8805	Movie	Zombieland	Ruben Fleischer	Jesse Eisenberg, Woody Harrelson, Emma Stone, ...	United States	November 1, 2019	2009
8805	s8806	Movie	Zoom	Peter Hewitt	Tim Allen, Courteney Cox, Chevy Chase, Kate Ma...	United States	January 11, 2020	2006
8806	s8807	Movie	Zubaan	Mozez Singh	Vicky Kaushal, Sarah-Jane Dias, Raaghav Chanan...	India	March 2, 2019	2015

In [9]: df.loc[90]

Out[9]:

show_id	s91
type	Movie
title	Paradise Hills
director	Alice Waddington
cast	Emma Roberts, Danielle Macdonald, Awkwafina, E...
country	Spain, United States
date_added	September 9, 2021
release_year	2019
rating	TV-MA
duration	95 min
listed_in	Sci-Fi & Fantasy, Thrillers
description	Uma wakes up in a lush tropical facility desig...
Name: 90, dtype: object	

In [12]: df[df["country"] == "United States"]

Out[12]:

	show_id	type	title	director	cast	country	date_added	release_year
0	s1	Movie	Dick Johnson Is Dead	Kirsten Johnson	NaN	United States	September 25, 2021	2021
9	s10	Movie	The Starling	Theodore Melfi	Melissa McCarthy, Chris O'Dowd, Kevin Kline, T...	United States	September 24, 2021	2021
15	s16	TV Show	Dear White People	NaN	Logan Browning, Brandon P. Bell, DeRon Horton,...	United States	September 22, 2021	2021
27	s28	Movie	Grown Ups	Dennis Dugan	Adam Sandler, Kevin James, Chris Rock, David S...	United States	September 20, 2021	2010
28	s29	Movie	Dark Skies	Scott Stewart	Keri Russell, Josh Hamilton, J.K. Simmons, Dak...	United States	September 19, 2021	2013
...
8791	s8792	Movie	Young Adult	Jason Reitman	Charlize Theron, Patton Oswalt, Patrick Wilson...	United States	November 20, 2019	2019
8793	s8794	Movie	Yours, Mine and Ours	Raja Gosnell	Dennis Quaid, Rene Russo, Sean Faris, Katija P...	United States	November 20, 2019	2005
8802	s8803	Movie	Zodiac	David Fincher	Mark Ruffalo, Jake Gyllenhaal,	United States	November 20, 2019	2007

show_id		type	title	director	cast	country	date_added	release_yea
8804	s8805	Movie	Zombieland	Ruben Fleischer	Robert Downey J...	United States	November 1, 2019	2009
					Jesse Eisenberg, Woody Harrelson, Emma Stone, ...			
					Tim Allen, Courteney Cox, Chevy Chase, Kate Ma...			
8805	s8806	Movie	Zoom	Peter Hewitt		United States	January 11, 2020	2001

2818 rows × 12 columns

In [13]: df.head(100)

Out[13]:

	show_id	type	title	director	cast	country	date_added	release_year	
0	s1	Movie	Dick Johnson Is Dead	Kirsten Johnson	NaN	United States	September 25, 2021	2020	
1	s2	TV Show	Blood & Water	NaN	Ama Qamata, Khosi Ngema, Gail Mabalane, Thaban...	South Africa	September 24, 2021	2021	
2	s3	TV Show	Ganglands	Julien Leclercq	Sami Bouajila, Tracy Gotoas, Samuel Jouy, Nabi...	NaN	September 24, 2021	2021	
3	s4	TV Show	Jailbirds New Orleans	NaN	NaN	NaN	September 24, 2021	2021	
4	s5	TV Show	Kota Factory	NaN	Mayur More, Jitendra Kumar, Ranjan Raj, Alam K...	India	September 24, 2021	2021	
...
95	s96	TV Show	The Circle	NaN	Michelle Buteau	United States, United Kingdom	September 8, 2021	2021	
96	s97	Movie	If I Leave Here Tomorrow: A Film About Lynyrd ...	Stephen Kijak	Ronnie Van Zandt, Gary Rossington, Allen Colli...	United States	September 7, 2021	2018	

	show_id	type	title	director	cast	country	date_added	release_year	
97	s98	TV Show	Kid Cosmic	NaN	Jack Fisher, Tom Kenny, Amanda C. Miller, Kim ...	United States	September 7, 2021	2021	
98	s99	TV Show	Octonauts: Above & Beyond	NaN	Antonio Aakeel, Chip Chung, Simon Foster, Ter...	United Kingdom	September 7, 2021	2021	
99	s100	TV Show	On the Verge	NaN	Julie Delpy, Elisabeth Shue, Sarah Jones, Alex...	France, United States	September 7, 2021	2021	

100 rows × 12 columns

```
In [14]: df.tail()
```

Out[14]:

	show_id	type	title	director	cast	country	date_added	release_year
8802	s8803	Movie	Zodiac	David Fincher	Mark Ruffalo, Jake Gyllenhaal, Robert Downey J...	United States	November 20, 2019	2007
8803	s8804	TV Show	Zombie Dumb	NaN	NaN	NaN	July 1, 2019	2018
8804	s8805	Movie	Zombieland	Ruben Fleischer	Jesse Eisenberg, Woody Harrelson, Emma Stone, ...	United States	November 1, 2019	2009
8805	s8806	Movie	Zoom	Peter Hewitt	Tim Allen, Courteney Cox, Chevy Chase, Kate Ma...	United States	January 11, 2020	2006
8806	s8807	Movie	Zubaan	Mozez Singh	Vicky Kaushal, Sarah-Jane Dias, Raaghav Chanan...	India	March 2, 2019	2015

In []: