

Actividad

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Entregar

Archivo PDF de la actividad y la liga de la actividad en su repositorio.

Nota:

Todas las tareas entregadas fuera de la fecha limite se califican sobre 50 de los 100 puntos posibles.

1. Leer el archivo netflix_titles.csv

In [3]:

```
from google.colab import files
uploaded = files.upload()

for fn in uploaded.keys():
    print('Se cargó el archivo: "{name}" con una longitud de {length} bytes'.format(name=fn
, length=len(uploaded[fn])))
```

Choose File

No file selected

Upload widget is only available when the cell has been executed in the current browser session. Please rerun this cell to enable.

Saving netflix_titles.csv to netflix_titles.csv
Se cargó el archivo: "netflix_titles.csv" con una longitud de 3000491 bytes

1. Observa las primeras líneas usando la función head

In [6]:

```
import pandas as pd
import io

df = pd.read_csv(io.StringIO(uploaded['netflix_titles.csv'].decode('utf-8')))
df.head()
```

Out[6]:

	show_id	type	title	director	cast	country	date_added	release_year	rating	duration	listed_in	des
0	s1	TV Show	3%	NaN	João Miguel, Bianca Comparato, Michel Gomes, R...	Brazil	August 14, 2020	2020	TV-MA	4 Seasons	International TV Shows, TV Dramas, TV Sci-Fi &...	In where t inl i
1	s2	Movie	7:19	Jorge Michel Grau	Demián Bichir, Héctor Bonilla, Oscar Serrano, ...	Mexico	December 23, 2016	2016	TV-MA	93 min	Dramas, International Movies	deva earthqu Mexi
2	s3	Movie	23:59	Gilbert Chan	Tedd Chan, Stella Chung, Hanley Hii	Singapore	December 20, 2018	2011	R	78 min	Horror Movies, International	When a recruit i d

show_id	type	title	director	cast	country	date_added	release_year	rating	duration	listed_in	des	
3	s4	Movie	9	Shane Acker	Elijah Wood, John C. Reilly, Jennifer Connelly...	United States	November 16, 2017	2009	PG-13	80 min	Action & Adventure, Independent Movies, Sci-Fi...	postapocalyptic world, robots
4	s5	Movie	21	Robert Luketic	Jim Sturgess, Kevin Spacey, Kate Bosworth, Aaron...	United States	January 1, 2020	2008	PG-13	123 min	Dramas	A brilliant performance by Spacey

1. Genera una función que despliegue el primer region del archivo.

In [34]:

```
## Esta función debe de regresar una lista con los valores del primer region
import numpy as np
def top_uno():
    return df[0:1].values.tolist()

top_uno()
```

Out[34]:

```
[['s1',
  'TV Show',
  '3%',
  nan,
  'João Miguel, Bianca Comparato, Michel Gomes, Rodolfo Valente, Vaneza Oliveira, Rafael Lozano, Viviane Porto, Mel Fronckowiak, Sergio Mamberti, Zezé Motta, Celso Frateschi',
  'Brazil',
  'August 14, 2020',
  2020,
  'TV-MA',
  '4 Seasons',
  'International TV Shows, TV Dramas, TV Sci-Fi & Fantasy',
  'In a future where the elite inhabit an island paradise far from the crowded slums, you get one chance to join the 3% saved from squalor.']]
```

1. Genera una función que regrese el número de registros del archivo

In [35]:

```
## Esta función tiene que entregar el número de registros del archivo
def row_number():
    return len(df)

row_number()
```

Out[35]:

7787

1. Generar una función que entregue las películas con release_year del 2020

In [36]:

```
## Esta función tiene que entregar las películas creadas en el año 2020

year_consulta=1
def released_year(year):
```

```
r = df[df.release_year == 2020]
return r
```

```
released_year(year_consulta)
```

```
Out[36]:
```

	show_id	type	title	director	cast	country	date_added	release_year	rating	duration	listed_in
0	s1	TV Show	3%	NaN	João Miguel, Bianca Comparato, Michel Gomes, R...	Brazil	August 14, 2020	2020	TV-MA	4 Seasons	International TV Shows, TV Dramas, TV Sci-Fi &...
24	s25	TV Show	SAINT SEIYA: Knights of the Zodiac	NaN	Bryson Baugus, Emily Neves, Blake Shepard, Pat...	Japan	January 23, 2020	2020	TV-14	2 Seasons	Anime Series, International TV Shows
26	s27	TV Show	(Un)Well	NaN	NaN	United States	August 12, 2020	2020	TV-MA	1 Season	Reality TV
27	s28	Movie	#Alive	Cho Il	Yoo Ah-in, Park Shin-hye	South Korea	September 8, 2020	2020	TV-MA	99 min	Horror Movies, International Movies, Thrillers
29	s30	TV Show	#blackAF	NaN	Kenya Barris, Rashida Jones, Iman Benson, Genn...	United States	April 17, 2020	2020	TV-MA	1 Season	TV Comedies
...
7725	s7726	TV Show	You Cannot Hide	NaN	Blanca Soto, Eduardo Noriega, Iván Sánchez, Ma...	Mexico	October 1, 2020	2020	TV-MA	1 Season	Crime TV Shows, International TV Shows, Spanis...
7734	s7735	Movie	You've Got This	Salvador Espinosa	Mauricio Ochmann, Esmeralda Pimentel, Matteo G...	Mexico	October 2, 2020	2020	TV-MA	112 min	Comedies, International Movies, Romantic Movies
7738	s7739	TV Show	Young Wallander	NaN	Adam Pålsson, Richard Dillane, Leanne Best, El...	United Kingdom	September 3, 2020	2020	TV-MA	1 Season	Crime TV Shows, International TV Shows, TV Dramas
7741	s7742	Movie	Your Name Engraved Herein	Liu Kuang-hui	Edward Chen, Tseng Ching-hua, Leon Dai, Jason ...	Taiwan	December 23, 2020	2020	TV-MA	115 min	Dramas, International Movies, LGBTQ Movies
7744	s7745	Movie	Yours Sincerely, Kanan Gill	Neville Shah	Kanan Gill	India	April 24, 2020	2020	TV-MA	72 min	Stand-Up Comedy

show_id	type	title	director	cast	country	date_added	release_year	rating	duration	listed_in
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868 rows x 12 columns



1. Películas con la columna de contry='Mexico'

In [37]:

```

## Esta función tiene que entregar las películas creadas en Mexico
pais_consulta='x'

def country_year(pais_consulta):
    return df[df.country=='Mexico']

country_year(pais_consulta)

```

Out[37]:

	show_id	type	title	director	cast	country	date_added	release_year	rating	duration	listed	
	1	s2	Movie	7:19	Jorge Michel Grau	Demián Bichir, Héctor Bonilla, Oscar Serrano, ...	Mexico	December 23, 2016	2016	TV-MA	93 min	Dram Internatio Mov
	12	s13	TV Show	1994	Diego Enrique Osorno	NaN	Mexico	May 17, 2019	2019	TV-MA	1 Season	Crime Show Docuseri International
	292	s293	Movie	Acapulco La vida va	Alfonso Serrano Maturino	Patricio Castillo, Sergio Bustamante, Alejandr...	Mexico	June 3, 2017	2016	TV-MA	89 min	Comedi Dram Internatio Mov
	370	s371	Movie	Alan Saldaña: Mi vida de pobre	Raúl Campos, Jan Suter	Alan Saldaña	Mexico	August 4, 2017	2017	TV-MA	54 min	Stand-Come
	378	s379	Movie	Alex Fernández: The Best Comedian in the World	Alex Díaz	Alex Fernández	Mexico	January 23, 2020	2020	TV-MA	51 min	Stand-Come

	7698	s7699	TV Show	Yankee	NaN	Pablo Lyle, Ana Layevska, Leonardo Daniel, Jav...	Mexico	June 14, 2019	2019	TV-MA	1 Season	Crime Show International Show Spani
	7725	s7726	TV Show	You Cannot Hide	NaN	Blanca Soto, Eduardo Noriega, Iván Sánchez, Ma...	Mexico	October 1, 2020	2020	TV-MA	1 Season	Crime Show International Show Spani
	7734	s7735	Movie	You've Got This	Salvador Espinosa	Mauricio Ochmann, Esmeralda Pimentel, Matteo G...	Mexico	October 2, 2020	2020	TV-MA	112 min	Comedi Internatio Movi Romar Mov
				Rodrigo	Sergio Acosta							Documentari

	show_id	type	Title	Guardiola, Gabriel	director	Jesús Baez, Ángel	country	date_added	release_year	rating	duration	Documentary
7773	s7774	Movie	Panoramas		Cruz Rivas	Mosqueda, Rod...	Mexico	1, 2019	2016	MA	89 min	International Movies, Mu & I
7779	s7780	TV Show	Zona Rosa	NaN	Manu NNa, Ana Julia Yeyé, Ray Contreras, Pablo...		Mexico	November 26, 2019	2019	TV-MA	1 Season	International Shows, Spanish Language S

100 rows x 12 columns

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