Instituto Tecnológico y de Estudios Superiores de Monterrey

Campus, Querétaro



Herramientas computacionales: el arte de la analítica (Gpo 201)

Actividad: Lectura de datos

Estudiantes:

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Profesor:

Pedro Pérez

Fecha de entrega:

Martes 10 de mayo del 2022

SUBIR EL ARCHIVO

CARGARLO EN UN DATA FRAME

```
// [6] df = pd.read_csv('netflix_titles.csv')
```

DESPLEGAR LAS PRIMERAS 5 LÍNEAS

[7] df.head(5)

	show_id	type	title	director	cast	country	date_added	release_year	rating	duration	listed_in	description
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 a future where the elite inhabit an island
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	After a devastating earthquake hits Mexico Cit
2	s3	Movie	23:59	Gilbert Chan	Tedd Chan, Stella Chung, Henley Hii, Lawrence	Singapore	December 20, 2018	2011	R	78 min	Horror Movies, International Movies	When an army recruit is found dead, his fellow
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	In a postapocalyptic world, rag-doll robots hi
4	s5	Movie	21	Robert Luketic	Jim Sturgess, Kevin Spacey, Kate Bosworth, Aar	United States	January 1, 2020	2008	PG-13	123 min	Dramas	A brilliant group of students become card-coun

%

FUNCIÓN PARA DESPLEGAR EL PRIMER RENGLÓN DE EL DF

```
(8) def the_first():
    return df[0:1]
    the_first()
```

s	how_id	type	title	director	cast	country	date_added	release_year	rating	duration	listed_in	description
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 a future where the elite inhabit an island

1.

7787

FUNCIÓN QUE REGRESE EL NÚMERO DE REGISTROS EN EL DF

```
[9] def row_number():
    return len(df.index)

row_number()
```

def released_year(year):
 return df[df.release_year == year]

year_query = 2020
 released_year(year_query)

₽

	show_id	type	title	director	cast	country	date_added	release_year	rating	duration	listed_in	description
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 a future where the elite inhabit an island
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	Seiya and the Knights of the Zodiac rise again
26	s27	TV Show	(Un)Well	NaN	NaN	United States	August 12, 2020	2020	TV-MA	1 Season	Reality TV	This docuseries takes a deep dive into the luc
27	s28	Movie	#Alive	Cho II	Yoo Ah-in, Park Shin-hye	South Korea	September 8, 2020	2020	TV-MA	99 min	Horror Movies, International Movies, Thrillers	As a grisly virus rampages a city, a lone man
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	Kenya Barris and his family navigate relations
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	A nurse and her daughter flee her husband's dr
					Mauricio Ochmann						Comedies,	An ad creative and

FUNCIÓN QUE DESPLIEGUE LAS PELÍCULAS CON UN "country" DETERMINADO

	PHOM_TO	rype	C1C16	dilector	Cast	COUNCLY	uace_auueu	rerease Tear	racing	uutatton	119060_11	describiton
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	After a devastating earthquake hits Mexico Cit
12	s13	TV Show	1994	Diego Enrique Osorno	NaN	Mexico	May 17, 2019	2019	TV-MA	1 Season	Crime TV Shows, Docuseries, International TV S	Archival video and new interviews examine Mexi
292	s293	Movie	Acapulco La vida va	Alfonso Serrano Maturino	Patricio Castillo, Sergio Bustamante, Alejandr	Mexico	June 3, 2017	2016	TV-MA	89 min	Comedies, Dramas, International Movies	Three lifelong friends travel to Acapulco oste
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-Up Comedy	Mexican comic Alan Saldaña has fun with everyt
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-Up Comedy	Comic Alex Fernández performs his familiar aut
7698	s7699	TV Show	Yankee	NaN	Pablo Lyle, Ana Layevska, Leonardo Daniel, Jav	Mexico	June 14, 2019	2019	TV-MA	1 Season	Crime TV Shows, International TV Shows, Spanis	On the run from the police, an Arizona man cro
7705	-7706	TV	You Cannot	NI-NI	Blanca Soto, Eduardo	Mandan	October 1,	2000	T1/144	10	Crime TV Shows,	A nurse and her

NUEVO DATAFRAME CON LAS COLUMNAS: "type", "title", "country" y "release_year"

