

# netflix-tv-shows-movies-analysis

November 12, 2024

## IMPORTING LIBRARIES

```
[101]: import pandas as pd
import numpy as np
import seaborn as sns
import matplotlib.pyplot as plt
```

## IMPORTING DATASET

```
[102]: data = pd.read_csv(r"H:\DA. Python\14. Netflix TV shows and movies_\
↳Analysis\Netflix Dataset.csv")
```

---

Getting some basic information about the dataset

```
[103]: data.shape
```

```
[103]: (7789, 11)
```

```
[104]: data.head()
```

```
[104]: Show_Id Category  Title          Director \
0      s1  TV Show    3%              NaN
1      s2   Movie  07:19  Jorge Michel Grau
2      s3   Movie  23:59    Gilbert Chan
3      s4   Movie     9      Shane Acker
4      s5   Movie    21    Robert Luketic
```

	Cast	Country
0	João Miguel, Bianca Comparato, Michel Gomes, R...	Brazil
1	Demián Bichir, Héctor Bonilla, Oscar Serrano, ...	Mexico
2	Tedd Chan, Stella Chung, Henley Hii, Lawrence ...	Singapore
3	Elijah Wood, John C. Reilly, Jennifer Connelly...	United States
4	Jim Sturgess, Kevin Spacey, Kate Bosworth, Aar...	United States

	Release_Date	Rating	Duration
0	August 14, 2020	TV-MA	4 Seasons
1	December 23, 2016	TV-MA	93 min

2	December 20, 2018	R	78 min
3	November 16, 2017	PG-13	80 min
4	January 1, 2020	PG-13	123 min

	Type \
0	International TV Shows, TV Dramas, TV Sci-Fi &...
1	Dramas, International Movies
2	Horror Movies, International Movies
3	Action & Adventure, Independent Movies, Sci-Fi...
4	Dramas

	Description
0	In a future where the elite inhabit an island ...
1	After a devastating earthquake hits Mexico Cit...
2	When an army recruit is found dead, his fellow...
3	In a postapocalyptic world, rag-doll robots hi...
4	A brilliant group of students become card-coun...

```
[105]: data.tail()
```

```
[105]:
```

	Show_Id	Category	Title	Director \
7784	s7783	Movie	Zozo	Josef Fares
7785	s7784	Movie	Zubaan	Mozez Singh
7786	s7785	Movie	Zulu Man in Japan	NaN
7787	s7786	TV Show	Zumbo's Just Desserts	NaN
7788	s7787	Movie	ZZ TOP: THAT LITTLE OL' BAND FROM TEXAS	Sam Dunn

	Cast \
7784	Imad Creidi, Antoinette Turk, Elias Gergi, Car...
7785	Vicky Kaushal, Sarah-Jane Dias, Raaghav Chanan...
7786	Nasty C
7787	Adriano Zumbo, Rachel Khoo
7788	NaN

	Country	Release_Date \
7784	Sweden, Czech Republic, United Kingdom, Denmar...	October 19, 2020
7785	India	March 2, 2019
7786	NaN	September 25, 2020
7787	Australia	October 31, 2020
7788	United Kingdom, Canada, United States	March 1, 2020

	Rating	Duration	Type \
7784	TV-MA	99 min	Dramas, International Movies
7785	TV-14	111 min	Dramas, International Movies, Music & Musicals
7786	TV-MA	44 min	Documentaries, International Movies, Music & M...
7787	TV-PG	1 Season	International TV Shows, Reality TV
7788	TV-MA	90 min	Documentaries, Music & Musicals

	Description
7784	When Lebanon's Civil War deprives Zozo of his ...
7785	A scrappy but poor boy worms his way into a ty...
7786	In this documentary, South African rapper Nast...
7787	Dessert wizard Adriano Zumbo looks for the nex...
7788	This documentary delves into the mystique behi...

```
[106]: data.columns
```

```
[106]: Index(['Show_Id', 'Category', 'Title', 'Director', 'Cast', 'Country',
         'Release_Date', 'Rating', 'Duration', 'Type', 'Description'],
        dtype='object')
```

```
[107]: data.dtypes
```

```
[107]: Show_Id      object
       Category    object
       Title       object
       Director    object
       Cast        object
       Country     object
       Release_Date object
       Rating      object
       Duration    object
       Type        object
       Description object
       dtype: object
```

```
[108]: data.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 7789 entries, 0 to 7788
Data columns (total 11 columns):
#   Column          Non-Null Count  Dtype
---  -
0   Show_Id         7789 non-null  object
1   Category        7789 non-null  object
2   Title           7789 non-null  object
3   Director        5401 non-null  object
4   Cast            7071 non-null  object
5   Country         7282 non-null  object
6   Release_Date    7779 non-null  object
7   Rating          7782 non-null  object
8   Duration        7789 non-null  object
9   Type            7789 non-null  object
10  Description      7789 non-null  object
```

```
dtypes: object(11)
memory usage: 669.5+ KB
```

---

Removing Duplicate Values.

```
[109]: data.head()
```

```
[109]:   Show_Id Category  Title      Director \
0      s1   TV Show    3%           NaN
1      s2    Movie  07:19  Jorge Michel Grau
2      s3    Movie  23:59    Gilbert Chan
3      s4    Movie     9    Shane Acker
4      s5    Movie    21    Robert Luketic

                                Cast      Country \
0  João Miguel, Bianca Comparato, Michel Gomes, R...  Brazil
1  Demián Bichir, Héctor Bonilla, Oscar Serrano, ...  Mexico
2  Tedd Chan, Stella Chung, Henley Hii, Lawrence ...  Singapore
3  Elijah Wood, John C. Reilly, Jennifer Connelly...  United States
4  Jim Sturgess, Kevin Spacey, Kate Bosworth, Aar...  United States

      Release_Date Rating  Duration \
0   August 14, 2020  TV-MA  4 Seasons
1  December 23, 2016  TV-MA    93 min
2  December 20, 2018     R    78 min
3  November 16, 2017  PG-13    80 min
4   January 1, 2020  PG-13   123 min

                                Type \
0  International TV Shows, TV Dramas, TV Sci-Fi &...
1                                Dramas, International Movies
2                                Horror Movies, International Movies
3  Action & Adventure, Independent Movies, Sci-Fi...
4                                Dramas

                                Description
0  In a future where the elite inhabit an island ...
1  After a devastating earthquake hits Mexico Cit...
2  When an army recruit is found dead, his fellow...
3  In a postapocalyptic world, rag-doll robots hi...
4  A brilliant group of students become card-coun...
```

```
[110]: data.shape
```

```
[110]: (7789, 11)
```

```
[111]: data[data.duplicated()]
```

```
[111]:      Show_Id Category      Title      Director \
6300      s684      Movie      Backfire      Dave Patten
6622      s6621      Movie The Lost Okoroshi Abba T. Makama

                                Cast      Country \
6300 Black Deniro, Byron "Squally" Vinson, Dominic ... United States
6622 Seun Ajayi, Judith Audu, Tope Tedela, Ifu Enna... Nigeria

      Release_Date Rating Duration \
6300      April 5, 2019 TV-MA      97 min
6622 September 4, 2020 TV-MA      94 min

                                Type \
6300 Dramas, Independent Movies, Thrillers
6622 Comedies, Dramas, Independent Movies

                                Description
6300 When two would-be robbers accidentally kill a ...
6622 A disillusioned security guard transforms into...
```

```
[112]: data.drop_duplicates(inplace=True)
```

```
[113]: data.shape
```

```
[113]: (7787, 11)
```

---

Showing the null values with heatmap.

```
[114]: data.head()
```

```
[114]:      Show_Id Category  Title      Director \
0          s1  TV Show      3%           NaN
1          s2   Movie  07:19  Jorge Michel Grau
2          s3   Movie  23:59      Gilbert Chan
3          s4   Movie      9      Shane Acker
4          s5   Movie      21      Robert Luketic

                                Cast      Country \
0  João Miguel, Bianca Comparato, Michel Gomes, R... Brazil
1  Demián Bichir, Héctor Bonilla, Oscar Serrano, ... Mexico
2  Tedd Chan, Stella Chung, Henley Hii, Lawrence ... Singapore
3  Elijah Wood, John C. Reilly, Jennifer Connelly... United States
4  Jim Sturgess, Kevin Spacey, Kate Bosworth, Aar... United States
```

	Release_Date	Rating	Duration	\
0	August 14, 2020	TV-MA	4 Seasons	
1	December 23, 2016	TV-MA	93 min	
2	December 20, 2018	R	78 min	
3	November 16, 2017	PG-13	80 min	
4	January 1, 2020	PG-13	123 min	

	Type	\
0	International TV Shows, TV Dramas, TV Sci-Fi &...	
1	Dramas, International Movies	
2	Horror Movies, International Movies	
3	Action & Adventure, Independent Movies, Sci-Fi...	
4	Dramas	

	Description
0	In a future where the elite inhabit an island ...
1	After a devastating earthquake hits Mexico Cit...
2	When an army recruit is found dead, his fellow...
3	In a postapocalyptic world, rag-doll robots hi...
4	A brilliant group of students become card-coun...

```
[115]: data.isnull() #checking for the null values
```

```
[115]:
```

	Show_Id	Category	Title	Director	Cast	Country	Release_Date	\
0	False	False	False	True	False	False	False	
1	False	False	False	False	False	False	False	
2	False	False	False	False	False	False	False	
3	False	False	False	False	False	False	False	
4	False	False	False	False	False	False	False	
...	...	...	...	...	...	...	...	
7784	False	False	False	False	False	False	False	
7785	False	False	False	False	False	False	False	
7786	False	False	False	True	False	True	False	
7787	False	False	False	True	False	False	False	
7788	False	False	False	False	True	False	False	

	Rating	Duration	Type	Description
0	False	False	False	False
1	False	False	False	False
2	False	False	False	False
3	False	False	False	False
4	False	False	False	False
...	...	...	...	...
7784	False	False	False	False
7785	False	False	False	False
7786	False	False	False	False
7787	False	False	False	False

```
7788    False    False  False    False
```

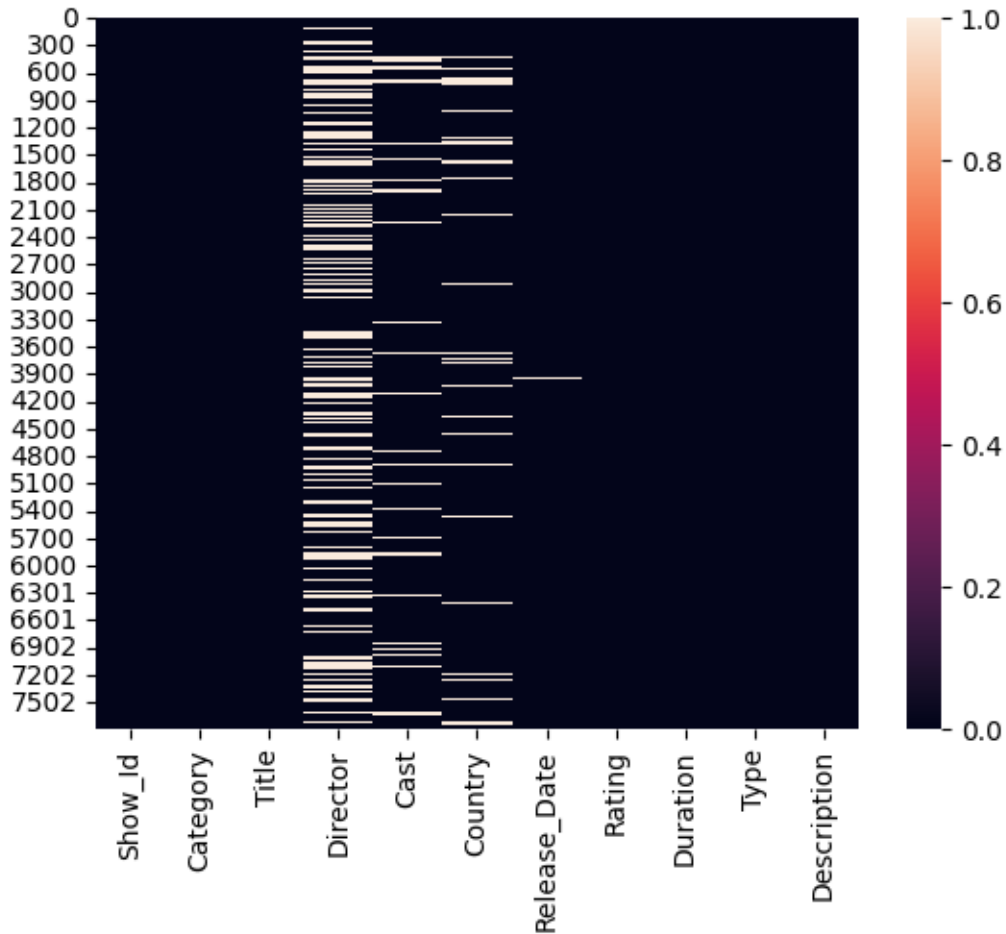
```
[7787 rows x 11 columns]
```

```
[116]: data.isnull().sum() #showing count of null values
```

```
[116]: Show_Id          0
      Category         0
      Title            0
      Director       2388
      Cast            718
      Country         507
      Release_Date    10
      Rating           7
      Duration         0
      Type             0
      Description      0
      dtype: int64
```

```
[117]: sns.heatmap(data.isnull())
```

```
[117]: <Axes: >
```



For HOUSE OF CARDS, what is the SHOW ID who is the DIRECTOR.

```
[118]: data.head(1)
```

```
[118]: Show_Id Category Title Director \
0      s1  TV Show      3%      NaN

                                           Cast Country      Release_Date \
0  João Miguel, Bianca Comparato, Michel Gomes, R...  Brazil  August 14, 2020

      Rating      Duration
0  TV-MA      4 Seasons  International TV Shows, TV Dramas, TV Sci-Fi &...

                                           Description
0  In a future where the elite inhabit an island ...
```



```
[119]: data[data['Title'].isin(['House of Cards'])] # to show all records of a
↳ particular item in any column
```

```
[119]:      Show_Id Category      Title \
2832      s2833  TV Show  House of Cards

      Director \
2832  Robin Wright, David Fincher, Gerald McRaney, J...

      Cast      Country \
2832  Kevin Spacey, Robin Wright, Kate Mara, Corey S...  United States

      Release_Date Rating  Duration      Type \
2832  November 2, 2018  TV-MA  6 Seasons  TV Dramas, TV Thrillers

      Description
2832  A ruthless politician will stop at nothing to ...
```

```
[120]: data[data['Title'].str.contains('House of Cards')]
```

```
[120]:      Show_Id Category      Title \
2832      s2833  TV Show  House of Cards

      Director \
2832  Robin Wright, David Fincher, Gerald McRaney, J...

      Cast      Country \
2832  Kevin Spacey, Robin Wright, Kate Mara, Corey S...  United States

      Release_Date Rating  Duration      Type \
2832  November 2, 2018  TV-MA  6 Seasons  TV Dramas, TV Thrillers

      Description
2832  A ruthless politician will stop at nothing to ...
```

---

In which year highest number of TV shows and Movies were released? Show with bar graph.

```
[121]: data.dtypes
```

```
[121]: Show_Id      object
      Category    object
      Title       object
      Director    object
      Cast        object
      Country     object
      Release_Date object
```

```

Rating      object
Duration     object
Type         object
Description  object
dtype: object

```

```

[122]: data['Date_N'] = pd.to_datetime(data['Release_Date'], errors = 'coerce')

# create new column - data['Date_N']
# in to_datetime function need to pass the original column "Release Date" in_
↳ which we can work.

```

```

[123]: data.head(2)

```

```

[123]: Show_Id Category  Title      Director \
0      s1  TV Show    3%           NaN
1      s2   Movie  07:19  Jorge Michel Grau

                                           Cast Country \
0  João Miguel, Bianca Comparato, Michel Gomes, R...  Brazil
1  Demián Bichir, Héctor Bonilla, Oscar Serrano, ...  Mexico

      Release_Date Rating  Duration \
0  August 14, 2020  TV-MA  4 Seasons
1  December 23, 2016  TV-MA    93 min

                                           Type \
0  International TV Shows, TV Dramas, TV Sci-Fi &...
1                Dramas, International Movies

      Description      Date_N
0  In a future where the elite inhabit an island ... 2020-08-14
1  After a devastating earthquake hits Mexico Cit... 2016-12-23

```

```

[124]: data.dtypes

```

```

[124]: Show_Id      object
Category      object
Title         object
Director      object
Cast          object
Country       object
Release_Date  object
Rating        object
Duration      object
Type          object
Description   object

```

```
Date_N          datetime64[ns]
dtype: object
```

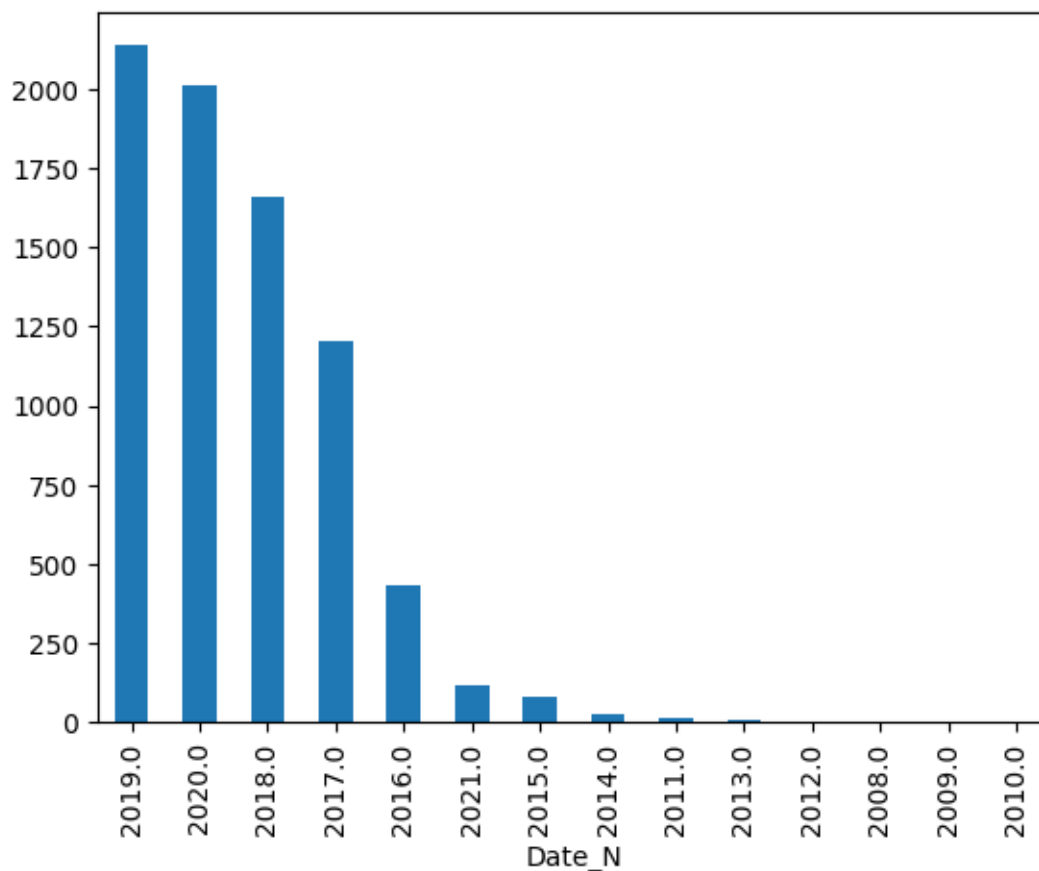
```
[125]: data['Date_N'].dt.year.value_counts()

# dt.year - we've considered year only from this date time column
# value_counts() - to show occurrence of all individual elements in a column
```

```
[125]: Date_N
2019.0    2136
2020.0    2008
2018.0    1661
2017.0    1201
2016.0     432
2021.0     117
2015.0      79
2014.0      24
2011.0      13
2013.0      10
2012.0       3
2008.0       2
2009.0       2
2010.0       1
Name: count, dtype: int64
```

```
[126]: data['Date_N'].dt.year.value_counts().plot(kind='bar')
```

```
[126]: <Axes: xlabel='Date_N'>
```



How many TV shows and MOVIES are there in the dataset? Show with Bar Chart

```
[127]: data.head(2)
```

```
[127]: Show_Id Category Title Director \
0 s1 TV Show 3% NaN
1 s2 Movie 07:19 Jorge Michel Grau

Cast Country \
0 João Miguel, Bianca Comparato, Michel Gomes, R... Brazil
1 Demián Bichir, Héctor Bonilla, Oscar Serrano, ... Mexico

Release_Date Rating Duration \
0 August 14, 2020 TV-MA 4 Seasons
1 December 23, 2016 TV-MA 93 min

Type \
0 International TV Shows, TV Dramas, TV Sci-Fi &...
```

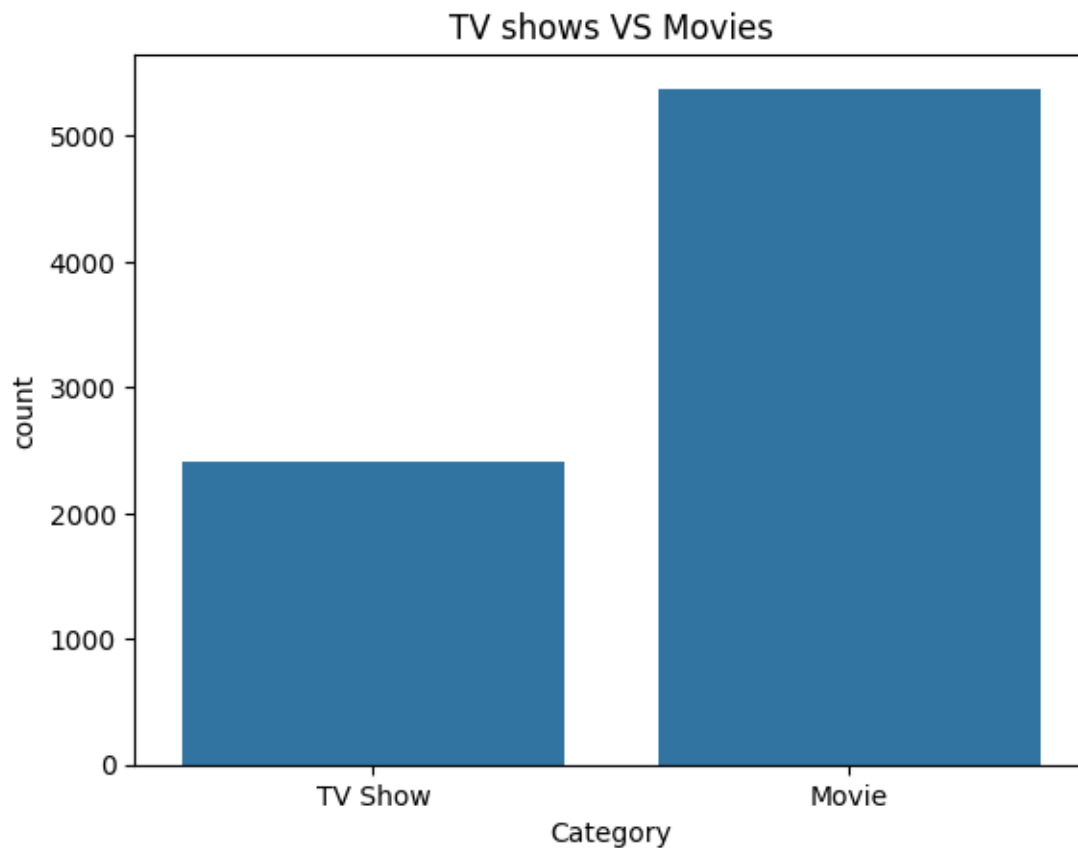
1                                    Dramas, International Movies

	Description	Date_N
0	In a future where the elite inhabit an island ...	2020-08-14
1	After a devastating earthquake hits Mexico Cit...	2016-12-23

```
[128]: data.groupby('Category').Category.count()
```

```
[128]: Category
      Movie      5377
      TV Show    2410
      Name: Category, dtype: int64
```

```
[129]: sns.countplot(x = 'Category', data=data)
      plt.title("TV shows VS Movies")
      plt.show()
```



---

Show all the MOVIES that were released in 2020?

```
[130]: data.head(2)
```

```
[130]: Show_Id Category Title Director \
0      s1  TV Show  3% NaN
1      s2   Movie 07:19 Jorge Michel Grau

Cast Country \
0 João Miguel, Bianca Comparato, Michel Gomes, R... Brazil
1 Demián Bichir, Héctor Bonilla, Oscar Serrano, ... Mexico

Release_Date Rating Duration \
0 August 14, 2020 TV-MA 4 Seasons
1 December 23, 2016 TV-MA 93 min

Type \
0 International TV Shows, TV Dramas, TV Sci-Fi &...
1 Dramas, International Movies

Description Date_N
0 In a future where the elite inhabit an island ... 2020-08-14
1 After a devastating earthquake hits Mexico Cit... 2016-12-23
```

```
[131]: data['Year'] = data['Date_N'].dt.year # to create new Year column, it will_
      ↪consider only year
```

```
[132]: data.head(2)
```

```
[132]: Show_Id Category Title Director \
0      s1  TV Show  3% NaN
1      s2   Movie 07:19 Jorge Michel Grau

Cast Country \
0 João Miguel, Bianca Comparato, Michel Gomes, R... Brazil
1 Demián Bichir, Héctor Bonilla, Oscar Serrano, ... Mexico

Release_Date Rating Duration \
0 August 14, 2020 TV-MA 4 Seasons
1 December 23, 2016 TV-MA 93 min

Type \
0 International TV Shows, TV Dramas, TV Sci-Fi &...
1 Dramas, International Movies

Description Date_N Year
0 In a future where the elite inhabit an island ... 2020-08-14 2020.0
1 After a devastating earthquake hits Mexico Cit... 2016-12-23 2016.0
```

```
[133]: data[(data['Category'] == 'Movie') & (data['Year'] == 2020)] #filtering out
↳ Movies from categories and year as 2020
```

```
[133]:
```

	Show_Id	Category	Title \
4	s5	Movie	21
6	s7	Movie	122
14	s15	Movie	3022
27	s28	Movie	#Alive
28	s29	Movie	#AnneFrank - Parallel Stories
...	...	...	...
7762	s7761	Movie	Zaki Chan
7783	s7782	Movie	Zoom
7784	s7783	Movie	Zozo
7786	s7785	Movie	Zulu Man in Japan
7788	s7787	Movie	ZZ TOP: THAT LITTLE OL' BAND FROM TEXAS

	Director \
4	Robert Luketic
6	Yasir Al Yasiri
14	John Suits
27	Cho Il
28	Sabina Fedeli, Anna Migotto
...	...
7762	Wael Ihsan
7783	Peter Hewitt
7784	Josef Fares
7786	NaN
7788	Sam Dunn

	Cast \
4	Jim Sturgess, Kevin Spacey, Kate Bosworth, Aar...
6	Amina Khalil, Ahmed Dawood, Tarek Lotfy, Ahmed...
14	Omar Epps, Kate Walsh, Miranda Cosgrove, Angus...
27	Yoo Ah-in, Park Shin-hye
28	Helen Mirren, Gengher Gatti
...	...
7762	Ahmed Helmy, Yasmin Abdulaziz, Hassan Hosny, H...
7783	Tim Allen, Courteney Cox, Chevy Chase, Kate Ma...
7784	Imad Creidi, Antoinette Turk, Elias Gergi, Car...
7786	Nasty C
7788	NaN

	Country	Release_Date \
4	United States	January 1, 2020
6	Egypt	June 1, 2020
14	United States	March 19, 2020
27	South Korea	September 8, 2020

28		Italy	July 1, 2020
...		...	...
7762		Egypt	May 19, 2020
7783		United States	January 11, 2020
7784	Sweden, Czech Republic, United Kingdom, Denmar...		October 19, 2020
7786		NaN	September 25, 2020
7788	United Kingdom, Canada, United States		March 1, 2020

	Rating	Duration	Type \
4	PG-13	123 min	Dramas
6	TV-MA	95 min	Horror Movies, International Movies
14	R	91 min	Independent Movies, Sci-Fi & Fantasy, Thrillers
27	TV-MA	99 min	Horror Movies, International Movies, Thrillers
28	TV-14	95 min	Documentaries, International Movies
...	...	...	...
7762	TV-PG	109 min	Comedies, International Movies, Romantic Movies
7783	PG	88 min	Children & Family Movies, Comedies
7784	TV-MA	99 min	Dramas, International Movies
7786	TV-MA	44 min	Documentaries, International Movies, Music & M...
7788	TV-MA	90 min	Documentaries, Music & Musicals

	Description	Date_N	Year
4	A brilliant group of students become card-coun...	2020-01-01	2020.0
6	After an awful accident, a couple admitted to ...	2020-06-01	2020.0
14	Stranded when the Earth is suddenly destroyed ...	2020-03-19	2020.0
27	As a grisly virus rampages a city, a lone man ...	2020-09-08	2020.0
28	Through her diary, Anne Frank's story is retol...	2020-07-01	2020.0
...	...	...	...
7762	An unqualified young man has his work cut out ...	2020-05-19	2020.0
7783	Dragged from civilian life, a former superhero...	2020-01-11	2020.0
7784	When Lebanon's Civil War deprives Zozo of his ...	2020-10-19	2020.0
7786	In this documentary, South African rapper Nast...	2020-09-25	2020.0
7788	This documentary delves into the mystique behi...	2020-03-01	2020.0

[1312 rows x 13 columns]

---

Show only the titles of TV shows that were released INDIA only.

```
[134]: data.head(2)
```

```
[134]:   Show_Id  Category  Title      Director \
0        s1  TV Show    3%          NaN
1        s2    Movie  07:19  Jorge Michel Grau
```

	Cast	Country \
0	João Miguel, Bianca Comparato, Michel Gomes, R...	Brazil



```

1 Demián Bichir, Héctor Bonilla, Oscar Serrano, ... Mexico

      Release_Date Rating  Duration \
0   August 14, 2020  TV-MA  4 Seasons
1  December 23, 2016  TV-MA    93 min

                                     Type \
0  International TV Shows, TV Dramas, TV Sci-Fi &...
1                               Dramas, International Movies

      Description      Date_N  Year
0  In a future where the elite inhabit an island ... 2020-08-14  2020.0
1  After a devastating earthquake hits Mexico Cit... 2016-12-23  2016.0

```

```
[135]: data[(data['Category'] == 'TV Show') & (data['Country'] == 'India']]['Title']
```

```

[135]: 86          21 Sarfarosh: Saragarhi 1897
      132              7 (Seven)
      340              Agent Raghav
      364              Akbar Birbal
      533          Anjaan: Rural Myths
      ...
      6249          The Creative Indians
      6400  The Golden Years with Javed Akhtar
      6469          The House That Made Me
      7294              Typewriter
      7705          Yeh Meri Family
      Name: Title, Length: 71, dtype: object

```

---

Show top 10 directors, who gave the highest number of TV Shows & Movies to Netflix ?

```
[136]: data.head(2)
```

```

[136]: Show_Id Category  Title      Director \
0      s1  TV Show    3%          NaN
1      s2   Movie  07:19  Jorge Michel Grau

                                     Cast Country \
0  João Miguel, Bianca Comparato, Michel Gomes, R...  Brazil
1  Demián Bichir, Héctor Bonilla, Oscar Serrano, ...  Mexico

      Release_Date Rating  Duration \
0   August 14, 2020  TV-MA  4 Seasons
1  December 23, 2016  TV-MA    93 min

                                     Type \

```

```

0 International TV Shows, TV Dramas, TV Sci-Fi &...
1 Dramas, International Movies

```

```

                                Description    Date_N    Year
0 In a future where the elite inhabit an island ... 2020-08-14  2020.0
1 After a devastating earthquake hits Mexico Cit... 2016-12-23  2016.0

```

```
[137]: data['Director'].value_counts().head(10)
```

```

[137]: Director
Raúl Campos, Jan Suter    18
Marcus Raboy              16
Jay Karas                 14
Cathy Garcia-Molina      13
Youssef Chahine           12
Jay Chapman               12
Martin Scorsese           12
Steven Spielberg         10
David Dhawan              9
Lance Bangs               8
Name: count, dtype: int64

```

---

Show all the Records, where “Category is Movie and Type is Comedies” or “Country is United Kingdom” ?

```
[138]: data.head(2)
```

```

[138]: Show_Id Category  Title          Director \
0      s1  TV Show    3%              NaN
1      s2   Movie  07:19  Jorge Michel Grau

```

```

                                Cast Country \
0 João Miguel, Bianca Comparato, Michel Gomes, R...  Brazil
1 Demián Bichir, Héctor Bonilla, Oscar Serrano, ...  Mexico

```

```

                Release_Date Rating  Duration \
0      August 14, 2020  TV-MA    4 Seasons
1  December 23, 2016  TV-MA      93 min

```

```

                                Type \
0 International TV Shows, TV Dramas, TV Sci-Fi &...
1 Dramas, International Movies

```

```

                                Description    Date_N    Year
0 In a future where the elite inhabit an island ... 2020-08-14  2020.0
1 After a devastating earthquake hits Mexico Cit... 2016-12-23  2016.0

```

```
[139]: data[(data['Category'] == 'Movie') & (data['Type'] == 'Comedies')]
```

```
[139]:
```

	Show_Id	Category	Title	Director \
33	s34	Movie	#realityhigh	Fernando Lebrija
72	s73	Movie	17 Again	Burr Steers
84	s85	Movie	21 & Over	Jon Lucas, Scott Moore
148	s149	Movie	A Bad Moms Christmas	Jon Lucas, Scott Moore
174	s175	Movie	A Futile and Stupid Gesture	David Wain
...	...	...	...	...
7341	s7340	Movie	Undercover Brother 2	Leslie Small
7590	s7589	Movie	Where's the Money	Scott Zabielski
7623	s7622	Movie	Wild Oats	Andy Tennant
7634	s7633	Movie	Wine Country	Amy Poehler
7664	s7663	Movie	Work It	Laura Terruso

Cast \

33	Nesta Cooper, Kate Walsh, John Michael Higgins...
72	Zac Efron, Leslie Mann, Matthew Perry, Thomas ...
84	Miles Teller, Skylar Astin, Justin Chon, Sarah...
148	Mila Kunis, Kristen Bell, Kathryn Hahn, Susan ...
174	Will Forte, Domhnall Gleeson, Martin Mull, Joe...
...	...
7341	Michael Jai White, Vince Swann, Barry Bostwick...
7590	Andrew Bachelor, Kat Graham, Mike Epps, Terry ...
7623	Shirley MacLaine, Jessica Lange, Billy Connoll...
7634	Amy Poehler, Maya Rudolph, Ana Gasteyer, Rache...
7664	Sabrina Carpenter, Jordan Fisher, Liza Koshy, ...

	Country	Release_Date	Rating	Duration	Type \
33	United States	September 8, 2017	TV-14	99 min	Comedies
72	United States	January 1, 2021	PG-13	102 min	Comedies
84	United States	April 16, 2019	R	93 min	Comedies
148	United States, China	February 14, 2020	R	104 min	Comedies
174	United States	January 26, 2018	TV-MA	102 min	Comedies
...	...	...	...	...	...
7341	United States	November 5, 2019	R	85 min	Comedies
7590	United States	January 22, 2018	R	86 min	Comedies
7623	Germany, United States	May 13, 2017	PG-13	86 min	Comedies
7634	United States	May 10, 2019	R	104 min	Comedies
7664	United States	August 7, 2020	TV-14	94 min	Comedies

	Description	Date_N	Year
33	When nerdy high schooler Dani finally attracts...	2017-09-08	2017.0
72	Nearing a midlife crisis, thirty-something Mik...	2021-01-01	2021.0
84	Jeff's straight-and-narrow life changes abrupt...	2019-04-16	2019.0
148	Stressed-out moms Amy, Carla and Kiki are back...	2020-02-14	2020.0
174	In a brief life full of triumph and failure, "...	2018-01-26	2018.0

```

...
7341 When a beloved secret agent falls deep into a ... 2019-11-05 2019.0
7590 Hunting for a stash of stolen money, a sharp-w... 2018-01-22 2018.0
7623 When insurance accidentally pays her millions,... 2017-05-13 2017.0
7634 When longtime friends meet up for a wine-soake... 2019-05-10 2019.0
7664 A brilliant but clumsy high school senior vows... 2020-08-07 2020.0

```

[97 rows x 13 columns]

```

[140]: data[(data['Category'] == 'Movie') & (data['Type'] == 'Comedies') |
↳ (data['Country'] == 'United Kingdom')]

```

```

[140]:
   Show_Id Category      Title      Director \
19      s20   Movie          '89          NaN
33      s34   Movie  #realityhigh  Fernando Lebrija
58      s59  TV Show    100% Hotter          NaN
72      s73   Movie    17 Again    Burr Steers
82      s83   Movie  2036 Origin Unknown  Hasraf Dulull
...
7670   s7669  TV Show  World War II in Colour          NaN
7671   s7670  TV Show  World's Busiest Cities          NaN
7688   s7687   Movie  XV: Beyond the Tryline  Pierre Deschamps
7725   s7724   Movie    You Can Tutu    James Brown
7740   s7739  TV Show    Young Wallander          NaN

           Cast      Country \
19      Lee Dixon, Ian Wright, Paul Merson  United Kingdom
33  Nesta Cooper, Kate Walsh, John Michael Higgins...  United States
58  Daniel Palmer, Melissa Sophia, Karen Williams,...  United Kingdom
72  Zac Efron, Leslie Mann, Matthew Perry, Thomas ...  United States
82  Katee Sackhoff, Ray Fearon, Julie Cox, Steven ...  United Kingdom
...
7670      Robert Powell  United Kingdom
7671  Anita Rani, Ade Adepitan, Dan Snow  United Kingdom
7688      NaN  United Kingdom
7725  Lily O'Regan, Jeannettsy Enriquez Borges, Joel...  United Kingdom
7740  Adam Pålsson, Richard Dillane, Leanne Best, El...  United Kingdom

   Release_Date Rating  Duration \
19      May 16, 2018  TV-PG    87 min
33  September 8, 2017  TV-14    99 min
58    November 1, 2019  TV-14  1 Season
72    January 1, 2021  PG-13   102 min
82  December 20, 2018  TV-14    95 min
...
7670    August 1, 2017  TV-MA  1 Season
7671  February 1, 2019  TV-PG  1 Season

```

```

7688      March 18, 2020  TV-14    91 min
7725    December 31, 2017   TV-G    87 min
7740    September 3, 2020  TV-MA   1 Season

```

```

                                     Type \
19                                     Sports Movies
33                                     Comedies
58    British TV Shows, International TV Shows, Real...
72                                     Comedies
82                                     Sci-Fi & Fantasy
...
7670    British TV Shows, Docuseries, International TV...
7671                                     British TV Shows, Docuseries
7688                                     Documentaries, Sports Movies
7725                                     Children & Family Movies
7740    Crime TV Shows, International TV Shows, TV Dramas

```

```

                                     Description      Date_N      Year
19    Mixing old footage with interviews, this is th... 2018-05-16  2018.0
33    When nerdy high schooler Dani finally attracts... 2017-09-08  2017.0
58    A stylist, a hair designer and a makeup artist... 2019-11-01  2019.0
72    Nearing a midlife crisis, thirty-something Mik... 2021-01-01  2021.0
82    Working with an artificial intelligence to inv... 2018-12-20  2018.0
...
7670    Footage of the most dramatic moments from Worl... 2017-08-01  2017.0
7671    From Moscow to Mexico City, three BBC journali... 2019-02-01  2019.0
7688    Set against the 2015 Rugby World Cup, this doc... 2020-03-18  2020.0
7725    A gifted young ballet dancer struggles to find... 2017-12-31  2017.0
7740    An incendiary hate crime stirs civil unrest, f... 2020-09-03  2020.0

```

[485 rows x 13 columns]

In how many movies/shows, Tom Cruise was casted?

```
[141]: data.head(2)
```

```

[141]:   Show_Id Category  Title      Director \
0      s1  TV Show    3%           NaN
1      s2   Movie  07:19  Jorge Michel Grau

```

```

                                     Cast Country \
0    João Miguel, Bianca Comparato, Michel Gomes, R...  Brazil
1    Demián Bichir, Héctor Bonilla, Oscar Serrano, ...  Mexico

```

```

      Release_Date Rating  Duration \
0    August 14, 2020  TV-MA   4 Seasons

```

```
1 December 23, 2016 TV-MA 93 min
```

```
                                Type \
0 International TV Shows, TV Dramas, TV Sci-Fi &...
1                                Dramas, International Movies
```

```
                                Description    Date_N    Year
0 In a future where the elite inhabit an island ... 2020-08-14 2020.0
1 After a devastating earthquake hits Mexico Cit... 2016-12-23 2016.0
```

```
[142]: data['Cast'].str.contains('Tom Cruise').sum()
```

```
[142]: 2
```

---

What are the different Ratings defined by Netflix?

```
[143]: data.head(2)
```

```
[143]: Show_Id Category  Title          Director \
0      s1  TV Show    3%              NaN
1      s2    Movie  07:19  Jorge Michel Grau
```

```
                                Cast Country \
0 João Miguel, Bianca Comparato, Michel Gomes, R... Brazil
1 Demián Bichir, Héctor Bonilla, Oscar Serrano, ... Mexico
```

```
                                Release_Date Rating    Duration \
0      August 14, 2020 TV-MA  4 Seasons
1 December 23, 2016 TV-MA    93 min
```

```
                                Type \
0 International TV Shows, TV Dramas, TV Sci-Fi &...
1                                Dramas, International Movies
```

```
                                Description    Date_N    Year
0 In a future where the elite inhabit an island ... 2020-08-14 2020.0
1 After a devastating earthquake hits Mexico Cit... 2016-12-23 2016.0
```

```
[144]: data['Rating'].nunique()
```

```
[144]: 14
```

```
[145]: data['Rating'].unique()
```

```
[145]: array(['TV-MA', 'R', 'PG-13', 'TV-14', 'TV-PG', 'NR', 'TV-G', 'TV-Y', nan,
        'TV-Y7', 'PG', 'G', 'NC-17', 'TV-Y7-FV', 'UR'], dtype=object)
```

---

How many Movies got the 'TV-14' rating in Canada ?

```
[146]: data.head(2)
```

```
[146]: Show_Id Category Title Director \
0      s1  TV Show  3%          NaN
1      s2   Movie 07:19 Jorge Michel Grau

Cast Country \
0 João Miguel, Bianca Comparato, Michel Gomes, R... Brazil
1 Demián Bichir, Héctor Bonilla, Oscar Serrano, ... Mexico

Release_Date Rating Duration \
0 August 14, 2020 TV-MA 4 Seasons
1 December 23, 2016 TV-MA 93 min

Type \
0 International TV Shows, TV Dramas, TV Sci-Fi &...
1 Dramas, International Movies

Description Date_N Year
0 In a future where the elite inhabit an island ... 2020-08-14 2020.0
1 After a devastating earthquake hits Mexico Cit... 2016-12-23 2016.0
```

```
[147]: data[(data['Category'] == 'Movie') & (data['Rating'] == 'TV-14') &
↳ (data['Country'] == 'Canada')].shape
```

```
[147]: (11, 13)
```

---

How many TV Show got the 'R' rating, after year 2018 ?

```
[148]: data.head(2)
```

```
[148]: Show_Id Category Title Director \
0      s1  TV Show  3%          NaN
1      s2   Movie 07:19 Jorge Michel Grau

Cast Country \
0 João Miguel, Bianca Comparato, Michel Gomes, R... Brazil
1 Demián Bichir, Héctor Bonilla, Oscar Serrano, ... Mexico

Release_Date Rating Duration \
0 August 14, 2020 TV-MA 4 Seasons
1 December 23, 2016 TV-MA 93 min
```

```

                                Type \
0 International TV Shows, TV Dramas, TV Sci-Fi &...
1 Dramas, International Movies

                                Description    Date_N    Year
0 In a future where the elite inhabit an island ... 2020-08-14  2020.0
1 After a devastating earthquake hits Mexico Cit... 2016-12-23  2016.0

```

```
[149]: data[(data['Category'] == 'TV Show') & (data['Rating'] == 'R') & (data['Year']_
      ↪ > 2018)]
```

```
[149]: Show_Id Category                                Title                                Director \
6437  s6436  TV Show  The Hateful Eight: Extended Version  Quentin Tarantino

                                Cast Country \
6437  Samuel L. Jackson, Kurt Russell, Jennifer Jaso...  NaN

                                Release_Date Rating  Duration    Type \
6437  April 25, 2019      R  1 Season  TV Shows

                                Description    Date_N    Year
6437  Trapped at a stagecoach stop as a storm rages ... 2019-04-25  2019.0

```

---

What is the maximum duration of a Movie/Show on Netflix?

```
[150]: data.head(2)
```

```
[150]: Show_Id Category  Title                                Director \
0      s1  TV Show      3%                                NaN
1      s2   Movie  07:19  Jorge Michel Grau

                                Cast Country \
0  João Miguel, Bianca Comparato, Michel Gomes, R...  Brazil
1  Demián Bichir, Héctor Bonilla, Oscar Serrano, ...  Mexico

                                Release_Date Rating  Duration \
0  August 14, 2020  TV-MA  4 Seasons
1  December 23, 2016  TV-MA    93 min

                                Type \
0 International TV Shows, TV Dramas, TV Sci-Fi &...
1 Dramas, International Movies

                                Description    Date_N    Year
0 In a future where the elite inhabit an island ... 2020-08-14  2020.0
1 After a devastating earthquake hits Mexico Cit... 2016-12-23  2016.0

```



```
[151]: data['Duration'].unique()
```

```
[151]: array(['4 Seasons', '93 min', '78 min', '80 min', '123 min', '1 Season',  
        '95 min', '119 min', '118 min', '143 min', '103 min', '89 min',  
        '91 min', '149 min', '144 min', '124 min', '87 min', '110 min',  
        '128 min', '117 min', '100 min', '2 Seasons', '84 min', '99 min',  
        '90 min', '102 min', '104 min', '105 min', '56 min', '125 min',  
        '81 min', '97 min', '106 min', '107 min', '109 min', '44 min',  
        '75 min', '101 min', '3 Seasons', '37 min', '113 min', '114 min',  
        '130 min', '94 min', '140 min', '135 min', '82 min', '70 min',  
        '121 min', '92 min', '164 min', '53 min', '83 min', '116 min',  
        '86 min', '120 min', '96 min', '126 min', '129 min', '77 min',  
        '137 min', '148 min', '28 min', '122 min', '176 min', '85 min',  
        '22 min', '68 min', '111 min', '29 min', '142 min', '168 min',  
        '21 min', '59 min', '20 min', '98 min', '108 min', '76 min',  
        '26 min', '156 min', '30 min', '57 min', '150 min', '133 min',  
        '115 min', '154 min', '127 min', '146 min', '136 min', '88 min',  
        '131 min', '24 min', '112 min', '74 min', '63 min', '38 min',  
        '25 min', '174 min', '60 min', '153 min', '158 min', '151 min',  
        '162 min', '54 min', '51 min', '69 min', '64 min', '147 min',  
        '42 min', '79 min', '5 Seasons', '40 min', '45 min', '172 min',  
        '10 min', '163 min', '9 Seasons', '55 min', '72 min', '61 min',  
        '71 min', '160 min', '171 min', '48 min', '139 min', '157 min',  
        '15 min', '65 min', '134 min', '161 min', '62 min', '8 Seasons',  
        '186 min', '49 min', '73 min', '58 min', '165 min', '166 min',  
        '138 min', '159 min', '141 min', '132 min', '52 min', '67 min',  
        '34 min', '66 min', '312 min', '180 min', '47 min', '6 Seasons',  
        '155 min', '14 min', '177 min', '11 min', '9 min', '46 min',  
        '145 min', '11 Seasons', '7 Seasons', '13 Seasons', '8 min',  
        '12 min', '12 Seasons', '10 Seasons', '43 min', '50 min', '23 min',  
        '185 min', '200 min', '169 min', '27 min', '170 min', '196 min',  
        '33 min', '181 min', '204 min', '32 min', '35 min', '167 min',  
        '16 Seasons', '179 min', '193 min', '13 min', '214 min', '17 min',  
        '173 min', '192 min', '209 min', '187 min', '41 min', '182 min',  
        '224 min', '233 min', '189 min', '152 min', '19 min', '15 Seasons',  
        '208 min', '237 min', '31 min', '178 min', '230 min', '194 min',  
        '228 min', '195 min', '3 min', '16 min', '5 min', '18 min',  
        '205 min', '190 min', '36 min', '201 min', '253 min', '203 min',  
        '191 min'], dtype=object)
```

```
[152]: data.Duration.dtypes
```

```
[152]: dtype('O')
```

```
[153]: data.head(2)
```

```
[153]: Show_Id Category Title Director \
0      s1  TV Show    3%           NaN
1      s2   Movie  07:19  Jorge Michel Grau

Cast Country \
0  João Miguel, Bianca Comparato, Michel Gomes, R... Brazil
1  Demián Bichir, Héctor Bonilla, Oscar Serrano, ... Mexico

Release_Date Rating Duration \
0   August 14, 2020  TV-MA  4 Seasons
1  December 23, 2016  TV-MA    93 min

Type \
0  International TV Shows, TV Dramas, TV Sci-Fi &...
1              Dramas, International Movies

Description Date_N Year
0  In a future where the elite inhabit an island ... 2020-08-14 2020.0
1  After a devastating earthquake hits Mexico Cit... 2016-12-23 2016.0
```

```
[154]: data[['Minutes' , 'Unit']] = data['Duration'].str.split(' ', expand=True)

# column names - data[['Minutes', 'Unit']]
# str.split() - pass the separator in str.split function. Here separator is
↳ blank space.
```

```
[155]: data.head(2)
```

```
[155]: Show_Id Category Title Director \
0      s1  TV Show    3%           NaN
1      s2   Movie  07:19  Jorge Michel Grau

Cast Country \
0  João Miguel, Bianca Comparato, Michel Gomes, R... Brazil
1  Demián Bichir, Héctor Bonilla, Oscar Serrano, ... Mexico

Release_Date Rating Duration \
0   August 14, 2020  TV-MA  4 Seasons
1  December 23, 2016  TV-MA    93 min

Type \
0  International TV Shows, TV Dramas, TV Sci-Fi &...
1              Dramas, International Movies

Description Date_N Year \
0  In a future where the elite inhabit an island ... 2020-08-14 2020.0
1  After a devastating earthquake hits Mexico Cit... 2016-12-23 2016.0
```

	Minutes	Unit
0	4	Seasons
1	93	min

```
[156]: data.Minutes.max()
```

```
[156]: '99'
```

```
[157]: data.Minutes.min()
```

```
[157]: '1'
```

---

Which country has the highest number of TV Shows?

```
[158]: data.head(2)
```

```
[158]: Show_Id Category  Title          Director \
0      s1  TV Show      3%              NaN
1      s2   Movie  07:19  Jorge Michel Grau

                                           Cast Country \
0  João Miguel, Bianca Comparato, Michel Gomes, R...  Brazil
1  Demián Bichir, Héctor Bonilla, Oscar Serrano, ...  Mexico

      Release_Date Rating  Duration \
0   August 14, 2020  TV-MA   4 Seasons
1  December 23, 2016  TV-MA    93 min

                                           Type \
0  International TV Shows, TV Dramas, TV Sci-Fi &...
1                        Dramas, International Movies

      Description      Date_N  Year \
0  In a future where the elite inhabit an island ... 2020-08-14  2020.0
1  After a devastating earthquake hits Mexico Cit... 2016-12-23  2016.0
```

	Minutes	Unit
0	4	Seasons
1	93	min

```
[160]: data_tvshow = data[data['Category'] == 'TV Show'] #creating a new column named
      ↪TV show
```

```
[161]: data_tvshow.head(2)
```

```
[161]: Show_Id Category Title      Director \
0      s1  TV Show    3%          NaN
5      s6  TV Show    46  Serdar Akar

                                     Cast Country   Release_Date \
0  João Miguel, Bianca Comparato, Michel Gomes, R... Brazil  August 14, 2020
5  Erdal Beşikçioğlu, Yasemin Allen, Melis Birkan... Turkey   July 1, 2017

Rating  Duration                                     Type \
0  TV-MA  4 Seasons  International TV Shows, TV Dramas, TV Sci-Fi &...
5  TV-MA  1 Season   International TV Shows, TV Dramas, TV Mysteries

                                     Description      Date_N   Year \
0  In a future where the elite inhabit an island ... 2020-08-14  2020.0
5  A genetics professor experiments with a treatm... 2017-07-01  2017.0

Minutes    Unit
0          4  Seasons
5          1  Season
```

```
[162]: data_tvshow.Country.value_counts()
```

```
[162]: Country
United States          705
United Kingdom         204
Japan                  157
South Korea            147
India                   71
...
United Kingdom, Ireland, United States    1
United Kingdom, Spain                     1
Italy, United States                       1
Japan, Canada                             1
United States, France, South Korea, Indonesia  1
Name: count, Length: 183, dtype: int64
```

```
[163]: data_tvshow.Country.value_counts().head(1)
```

```
[163]: Country
United States    705
Name: count, dtype: int64
```

---

How can we sort the dataset by Year?

```
[165]: data.head(2)
```

```
[165]: Show_Id Category Title Director \
0      s1  TV Show      3%          NaN
1      s2   Movie 07:19 Jorge Michel Grau

Cast Country \
0 João Miguel, Bianca Comparato, Michel Gomes, R... Brazil
1 Demián Bichir, Héctor Bonilla, Oscar Serrano, ... Mexico

Release_Date Rating Duration \
0   August 14, 2020 TV-MA 4 Seasons
1  December 23, 2016 TV-MA 93 min

Type \
0 International TV Shows, TV Dramas, TV Sci-Fi &...
1                      Dramas, International Movies

Description Date_N Year \
0 In a future where the elite inhabit an island ... 2020-08-14 2020.0
1 After a devastating earthquake hits Mexico Cit... 2016-12-23 2016.0

Minutes Unit
0      4 Seasons
1     93 min
```

```
[166]: data.sort_values(by = 'Year').head(2)
```

```
[166]: Show_Id Category Title Director \
7115 s7114 Movie To and From New York Sorin Dan Mihalcescu
1765 s1766 TV Show Dinner for Five NaN

Cast Country \
7115 Barbara King, Shaana Diya, John Krisiukenas, Y... United States
1765 NaN United States

Release_Date Rating Duration \
7115 January 1, 2008 TV-MA 81 min
1765 February 4, 2008 TV-MA 1 Season

Type \
7115 Dramas, Independent Movies, Thrillers
1765 Stand-Up Comedy & Talk Shows

Description Date_N Year \
7115 While covering a story in New York City, a Sea... 2008-01-01 2008.0
1765 In each episode, four celebrities join host Jo... 2008-02-04 2008.0

Minutes Unit
```

```
7115      81      min
1765      1  Season
```

```
[167]: data.sort_values(by = 'Year' , ascending = False).head(2)
```

```
[167]:      Show_Id Category      Title      Director \
601      s602   Movie  Asphalt Burning      Hallvard Br  in
5060   s5060   Movie    Radium Girls  Lydia Dean Pilcher, Ginny Mohler

      Cast      Country \
601  Anders Baasmo, Kathrine Thorborg Johansen, Ida...  Norway
5060  Joey King, Abby Quinn, Cara Seymour, Scott She...  United States

      Release_Date Rating Duration \
601   January 2, 2021  TV-14   101 min
5060  January 16, 2021  TV-14   103 min

      Type \
601  Action & Adventure, Comedies, International Mo...
5060      Dramas, Independent Movies

      Description      Date_N      Year \
601  When the brakes slam on his wedding, Roy accep... 2021-01-02  2021.0
5060  When the women at a radium factory begin to fa... 2021-01-16  2021.0

      Minutes Unit
601      101  min
5060      103  min
```

Find all instances where: Category is 'Movie' and Type is 'Dramas' or Category is 'TV Show' and Type is 'Kids TV'

```
[168]: data.head(2)
```

```
[168]:      Show_Id Category  Title      Director \
0      s1  TV Show    3%      NaN
1      s2   Movie  07:19  Jorge Michel Grau

      Cast Country \
0  Jo  o Miguel, Bianca Comparato, Michel Gomes, R...  Brazil
1  Demi  n Bichir, H  ctor Bonilla, Oscar Serrano, ...  Mexico

      Release_Date Rating  Duration \
0   August 14, 2020  TV-MA   4 Seasons
1  December 23, 2016  TV-MA    93 min
```

	Type \
0 International TV Shows, TV Dramas, TV Sci-Fi &...	
1 Dramas, International Movies	

	Description	Date_N	Year \
0 In a future where the elite inhabit an island ...	2020-08-14	2020.0	
1 After a devastating earthquake hits Mexico Cit...	2016-12-23	2016.0	

	Minutes	Unit
0 4	Seasons	
1 93	min	

```
[170]: data[(data['Category'] == 'Movie') & (data['Type'] == 'Dramas') |
        (data['Category'] == 'TV Show') & (data['Type'] == 'Kids TV')]
```

```
[170]:
```

	Show_Id	Category	Title	Director \
4	s5	Movie	21	Robert Luketic
7	s8	Movie	187	Kevin Reynolds
170	s171	Movie	A Family Man	Mark Williams
232	s233	Movie	A Stoning in Fulham County	Larry Elikann
295	s296	Movie	Across Grace Alley	Ralph Macchio
...	...	...	...	...
7417	s7416	Movie	Victor	Brandon Dickerson
7422	s7421	Movie	Villain	Philip Barantini
7449	s7448	Movie	VS.	Ed Lilly
7465	s7464	Movie	Wakefield	Robin Swicord
7480	s7479	Movie	War Horse	Steven Spielberg

	Cast \
4	Jim Sturgess, Kevin Spacey, Kate Bosworth, Aar...
7	Samuel L. Jackson, John Heard, Kelly Rowan, Cl...
170	Gerard Butler, Gretchen Mol, Alison Brie, Will...
232	Ken Olin, Jill Eikenberry, Maureen Mueller, Gr...
295	Ben Hyland, Marsha Mason, Karina Smirnoff, Col...
...	...
7417	Patrick Davis, Lisa Vidal, Josh Pence, José Zú...
7422	Craig Fairbrass, George Russo, Robert Gleniste...
7449	Connor Swindells, Fola Evans-Akingbola, Nichol...
7465	Bryan Cranston, Jennifer Garner, Jason O'Mara,...
7480	Emily Watson, David Thewlis, Peter Mullan, Nie...

	Country	Release_Date	Rating	Duration	Type \
4	United States	January 1, 2020	PG-13	123 min	Dramas
7	United States	November 1, 2019	R	119 min	Dramas
170	Canada, United States	December 15, 2019	R	110 min	Dramas
232	United States	October 1, 2011	TV-14	95 min	Dramas
295	United States	December 1, 2016	TV-PG	24 min	Dramas

...	...	...	...	...	...	...
7417	United States	July 24, 2017	PG-13	110 min	Dramas	
7422	United Kingdom	September 5, 2020	R	97 min	Dramas	
7449	United Kingdom	June 19, 2019	TV-MA	99 min	Dramas	
7465	United States	March 2, 2019	R	109 min	Dramas	
7480	United States, India	May 6, 2019	PG-13	147 min	Dramas	

	Description	Date_N	Year	\
4	A brilliant group of students become card-coun...	2020-01-01	2020.0	
7	After one of his high school students attacks ...	2019-11-01	2019.0	
170	A ruthless corporate headhunter battles his ri...	2019-12-15	2019.0	
232	After reckless teens kill an Amish child, a pr...	2011-10-01	2011.0	
295	A young boy, upset by his parents' divorce, be...	2016-12-01	2016.0	
...	...	...	...	
7417	In 1962 Brooklyn, a Puerto Rican teen who join...	2017-07-24	2017.0	
7422	Fresh out of prison, an ex-con tries to save h...	2020-09-05	2020.0	
7449	A young man in foster care finds his voice in ...	2019-06-19	2019.0	
7465	An unhappy father and lawyer quits his suburba...	2019-03-02	2019.0	
7480	During World War I, the bond between a young E...	2019-05-06	2019.0	

	Minutes	Unit
4	123	min
7	119	min
170	110	min
232	95	min
295	24	min
...	...	...
7417	110	min
7422	97	min
7449	99	min
7465	109	min
7480	147	min

[117 rows x 15 columns]

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