2024

# NETFLIX DATA ANALYSIS WITH PYTHON

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## Netflix Data Analysis With Python

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### 0.1 Import Libraries

```
[2]: import numpy as np
import pandas as pd
import matplotlib.pyplot as mp
import seaborn as sc
```

### 0.2 Import Dataset

```
[3]: # pd.set_option('Display.max_columns',None)
# pd.set_option('Display.width',None)
# pd.set_option('Display.max_rows',None)

ds=pd.read_csv("netflix.csv")
```

[4]: ds

8786

```
[4]:
          show_id
                                                           title
                                                                          director
                       type
     0
                                           Dick Johnson Is Dead
                                                                  Kirsten Johnson
                s1
                      Movie
     1
                s3
                    TV Show
                                                      Ganglands
                                                                  Julien Leclercq
     2
                s6
                    TV Show
                                                  Midnight Mass
                                                                    Mike Flanagan
     3
                             Confessions of an Invisible Girl
                                                                    Bruno Garotti
              s14
                      Movie
     4
                s8
                        NaN
                                                         Sankofa
                                                                     Haile Gerima
     8786
            s8797
                        NaN
                                                     Yunus Emre
                                                                         Not Given
                                                                         Not Given
     8787
             s8798
                        NaN
                                                      Zak Storm
     8788
             s8801
                        NaN
                                             Zindagi Gulzar Hai
                                                                         Not Given
     8789
             s8784
                    TV Show
                                                            Yoko
                                                                         Not Given
     8790
             s8786
                    TV Show
                                                             MOY
                                                                         Not Given
                  country
                           date_added
                                        release_year rating
                                                                duration
     0
                             9/25/2021
                                               2020.0 PG-13
           United States
                                                                  90 min
     1
                   France
                            9/24/2021
                                               2021.0
                                                       TV-MA
                                                                1 Season
     2
           United States
                             9/24/2021
                                               2021.0
                                                       TV-MA
                                                                1 Season
     3
                   Brazil
                             9/22/2021
                                               2021.0
                                                       TV-PG
                                                                  91 min
     4
           United States
                            9/24/2021
                                               1993.0
                                                       TV-MA
                                                                 125 min
```

1/17/2017

Turkey

2016.0 TV-PG

2 Seasons

```
8787
     United States
                       9/13/2018
                                                 TV-Y7
                                                        3 Seasons
                                            NaN
8788
           Pakistan
                      12/15/2016
                                         2012.0
                                                 TV-PG
                                                         1 Season
8789
           Pakistan
                       6/23/2018
                                         2016.0
                                                  TV-Y
                                                          1 Season
8790
           Pakistan
                        6/7/2018
                                         2016.0 TV-Y7
                                                         1 Season
                                                listed_in
0
                                            Documentaries
1
      Crime TV Shows, International TV Shows, TV Act...
2
                      TV Dramas, TV Horror, TV Mysteries
3
                      Children & Family Movies, Comedies
       Dramas, Independent Movies, International Movies
4
8786
                       International TV Shows, TV Dramas
8787
                                                 Kids' TV
8788
      International TV Shows, Romantic TV Shows, TV ...
8789
8790
                                                 Kids' TV
```

[8791 rows x 10 columns]

### 0.3 Some Basics Information About Dataset

### 0.3.1 Head()

```
[5]:
    ds.head()
[5]:
       show_id
                                                     title
                                                                    director \
                   type
     0
                  Movie
                                      Dick Johnson Is Dead Kirsten Johnson
            s1
                                                 Ganglands
                TV Show
     1
            s3
                                                            Julien Leclercq
     2
            s6
                TV Show
                                             Midnight Mass
                                                              Mike Flanagan
     3
           s14
                  Movie
                         Confessions of an Invisible Girl
                                                              Bruno Garotti
            s8
                    NaN
                                                   Sankofa
                                                               Haile Gerima
              country date_added release_year rating
                                                        duration
        United States 9/25/2021
                                         2020.0 PG-13
                                                          90 min
     0
               France 9/24/2021
                                         2021.0
                                                 TV-MA
                                                        1 Season
     1
     2
        United States 9/24/2021
                                         2021.0
                                                        1 Season
                                                 TV-MA
     3
               Brazil 9/22/2021
                                         2021.0 TV-PG
                                                          91 min
       United States 9/24/2021
                                         1993.0 TV-MA
                                                         125 min
                                                 listed in
     0
                                             Documentaries
     1
        Crime TV Shows, International TV Shows, TV Act...
     2
                       TV Dramas, TV Horror, TV Mysteries
     3
                       Children & Family Movies, Comedies
     4
         Dramas, Independent Movies, International Movies
```

### 0.3.2 Tail()

```
[6]: ds.tail()
[6]:
                                                                   country \
          show_id
                                          title
                                                  director
                      type
     8786
            s8797
                       NaN
                                     Yunus Emre
                                                 Not Given
                                                                    Turkey
     8787
            s8798
                       NaN
                                      Zak Storm Not Given
                                                            United States
     8788
            s8801
                       NaN
                            Zindagi Gulzar Hai
                                                 Not Given
                                                                  Pakistan
                                                 Not Given
     8789
            s8784
                   TV Show
                                           Yoko
                                                                  Pakistan
                   TV Show
     8790
            s8786
                                            MOY
                                                 Not Given
                                                                  Pakistan
                                              duration
           date_added
                      release_year rating
            1/17/2017
                              2016.0
                                     TV-PG 2 Seasons
     8786
     8787
            9/13/2018
                                 NaN
                                     TV-Y7 3 Seasons
     8788
           12/15/2016
                              2012.0
                                      TV-PG
                                              1 Season
     8789
            6/23/2018
                              2016.0
                                              1 Season
                                       TV-Y
     8790
                              2016.0 TV-Y7
                                              1 Season
             6/7/2018
                                                    listed_in
     8786
                            International TV Shows, TV Dramas
     8787
                                                      Kids' TV
           International TV Shows, Romantic TV Shows, TV ...
     8788
     8789
                                                      Kids' TV
     8790
                                                     Kids' TV
    0.3.3 Shape
[7]: ds.shape
[7]: (8791, 10)
    0.3.4 Size
[8]: ds.size
[8]: 87910
    0.3.5 Columns
[9]: ds.columns
[9]: Index(['show_id', 'type', 'title', 'director', 'country', 'date_added',
            'release_year', 'rating', 'duration', 'listed_in'],
           dtype='object')
```

### 0.3.6 dtypes

```
[10]: ds.dtypes
[10]: show_id
                        object
      type
                        object
      title
                        object
      director
                        object
      country
                        object
      date_added
                        object
      release_year
                      float64
      rating
                        object
      duration
                        object
      listed_in
                        object
      dtype: object
     0.3.7 \quad Info()
[11]: ds.info()
     <class 'pandas.core.frame.DataFrame'>
     RangeIndex: 8791 entries, 0 to 8790
     Data columns (total 10 columns):
          Column
      #
                         Non-Null Count
                                         Dtype
          _____
                         _____
          show_id
                         8791 non-null
                                          object
      0
      1
          type
                         8775 non-null
                                          object
      2
          title
                         8790 non-null
                                          object
      3
          director
                         8782 non-null
                                          object
      4
          country
                         8791 non-null
                                          object
      5
          date_added
                         8790 non-null
                                          object
      6
                         8784 non-null
                                          float64
          release_year
      7
          rating
                         8789 non-null
                                          object
      8
          duration
                         8791 non-null
                                          object
          listed_in
                         8791 non-null
                                          object
     dtypes: float64(1), object(9)
     memory usage: 686.9+ KB
     0.3.8 Now Check The Dublicates Values In Datasets
[12]: ds.duplicated()
[12]: 0
              False
              False
      1
      2
              False
      3
              False
      4
              False
```

```
8786
              False
      8787
              False
      8788
              False
      8789
              False
      8790
              False
      Length: 8791, dtype: bool
[13]: ds[ds.duplicated()]
[13]: Empty DataFrame
      Columns: [show_id, type, title, director, country, date_added, release_year,
      rating, duration, listed_in]
      Index: []
     0.3.9 Check The Null Values In Datasets
[14]: ds.isnull()
[14]:
            show_id
                      type title
                                   director
                                              country
                                                       date_added release_year \
      0
              False False
                            False
                                       False
                                                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
                      True False
                                       False
                                                False
                                                             False
                                                                           False
      8786
              False
                      True
                            False
                                       False
                                                False
                                                             False
                                                                           False
      8787
              False
                      True
                            False
                                       False
                                                False
                                                             False
                                                                            True
      8788
              False
                      True False
                                       False
                                                False
                                                             False
                                                                           False
      8789
              False False False
                                       False
                                                False
                                                             False
                                                                           False
      8790
              False False False
                                       False
                                                False
                                                             False
                                                                           False
            rating duration listed in
      0
             False
                       False
                                   False
      1
             False
                       False
                                   False
      2
             False
                       False
                                   False
      3
             False
                       False
                                   False
      4
             False
                       False
                                   False
                                   False
      8786
             False
                       False
                       False
                                   False
      8787
             False
      8788
             False
                       False
                                   False
      8789
             False
                       False
                                   False
      8790
             False
                       False
                                   False
      [8791 rows x 10 columns]
```

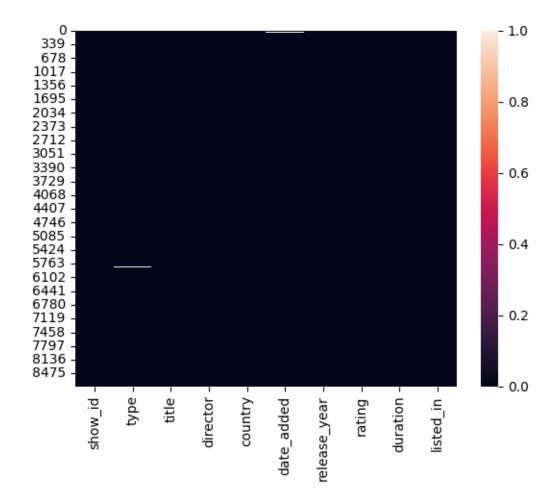
[15]: ds.isnull().sum()

[15]: show\_id 0 16 type title 1 director 9 0 country date\_added 1 7 release\_year rating 2 duration 0 listed\_in 0 dtype: int64

### 0.3.10 Using Of HeatMap To Show Null Values

[16]: sc.heatmap(ds.isnull())

[16]: <Axes: >



# 0.3.11 Show that the 'Rumble' movie is given or not also show the it's Show\_id and director name

```
[17]: ds[ds['title'].isin(['Rumble'])]
[17]:
                                           director country date_added \
           show_id
                     type
                            title
      5785
             s7900 Movie
                          Rumble R. Ellis Frazier Mexico 9/15/2017
            release_year rating duration
                                                                        listed_in
                                  92 min Action & Adventure, Independent Movies
      5785
                  2016.0 TV-MA
     0.3.12 Show that the in which year highest number of movies and tv shows released
[18]: ds['release_y']=pd.to_datetime(ds['date_added'])
[19]: ds.head()
[19]:
        show_id
                    type
                                                      title
                                                                    director \
      0
             s1
                   Movie
                                      Dick Johnson Is Dead Kirsten Johnson
      1
             s3
                TV Show
                                                 Ganglands
                                                             Julien Leclercq
      2
                                             Midnight Mass
             s6
                 TV Show
                                                               Mike Flanagan
      3
            s14
                   Movie
                          Confessions of an Invisible Girl
                                                               Bruno Garotti
                                                                Haile Gerima
      4
             s8
                     NaN
                                                   Sankofa
               country date_added release_year rating
                                                         duration
         United States
                        9/25/2021
                                         2020.0 PG-13
                                                           90 min
      0
                        9/24/2021
      1
                France
                                         2021.0 TV-MA
                                                         1 Season
      2
       United States
                        9/24/2021
                                         2021.0 TV-MA
                                                         1 Season
      3
                Brazil 9/22/2021
                                         2021.0 TV-PG
                                                           91 min
      4 United States 9/24/2021
                                         1993.0 TV-MA
                                                          125 min
                                                 listed in release y
                                             Documentaries 2021-09-25
      0
        Crime TV Shows, International TV Shows, TV Act... 2021-09-24
      1
                        TV Dramas, TV Horror, TV Mysteries 2021-09-24
      2
      3
                        Children & Family Movies, Comedies 2021-09-22
      4
          Dramas, Independent Movies, International Movies 2021-09-24
[20]: ds['release_y'].dt.year.value_counts()
[20]: release_y
      2019.0
                2016
      2020.0
                1879
      2018.0
                1648
      2021.0
                1498
      2017.0
                1185
      2016.0
                 426
      2015.0
                  82
```

```
      2014.0
      24

      2011.0
      13

      2013.0
      11

      2012.0
      3

      2009.0
      2

      2008.0
      2

      2010.0
      1
```

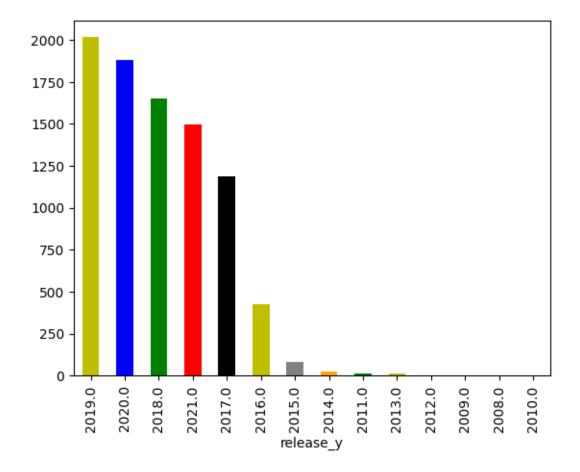
Name: count, dtype: int64

### 0.3.13 Show In Bar Graph

```
[67]: clr=['y','b','g','r','k','y','gray','orange','g','y']
```

[68]: ds['release\_y'].dt.year.value\_counts().plot(kind="bar",color=clr)

[68]: <Axes: xlabel='release\_y'>



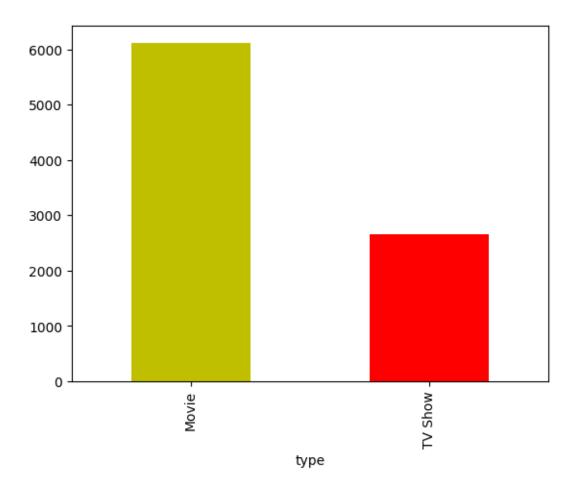
### 0.3.14 Show That How Many Movies And TV shows in DataSets

```
[23]: ds.groupby("type").type.count()

[23]: type
    Movie     6116
    TV Show     2659
    Name: type, dtype: int64

[24]: ds.groupby("type").type.count().plot(kind="bar",color=['y','r'])
```

[24]: <Axes: xlabel='type'>



### 0.3.15 Check The Movies In Randomly Year

```
[25]: ds['years']=ds['release_y'].dt.year

[26]: ds[(ds['type']=="Movie") & (ds['years']==2021)]
```

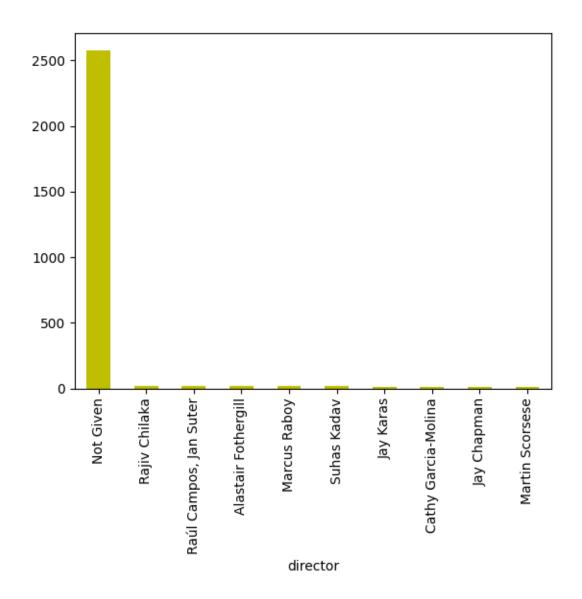
```
[26]:
           show_id
                                                                title \
                     type
                                                Dick Johnson Is Dead
      0
                s1
                    Movie
      3
               s14
                    Movie
                                    Confessions of an Invisible Girl
      6
               s10
                    Movie
                                                         The Starling
                                     Motu Patlu in the Game of Zones
      7
              s939
                    Movie
               s13 Movie
                                                         Je Suis Karl
             s1162 Movie
      6827
                            Elizabeth and Margaret: Love and Loyalty
      6863
             s1288 Movie
                                Fate: The Winx Saga - The Afterparty
      6907
             s1426
                    Movie
                                         Creating The Queen's Gambit
      6911
             s1432
                    Movie
                                                          Stuck Apart
      6923
             s1467
                                        The Minimalists: Less Is Now
                    Movie
                                         country date_added release_year rating
                        director
                                                                    2020.0 PG-13
      0
                Kirsten Johnson
                                   United States
                                                   9/25/2021
      3
                  Bruno Garotti
                                          Brazil
                                                  9/22/2021
                                                                    2021.0
                                                                            TV-PG
      6
                 Theodore Melfi
                                   United States
                                                 9/24/2021
                                                                    2021.0
                                                                            PG-13
      7
                    Suhas Kadav
                                                    5/1/2021
                                                                    2019.0
                                                                             TV-Y7
                                           India
            Christian Schwochow
      8
                                                  9/23/2021
                                                                    2021.0
                                                                             TV-MA
                                         Germany
                                                   3/26/2021
      6827
                      Not Given
                                  United Kingdom
                                                                    2020.0
                                                                             TV-PG
                                  United Kingdom
                                                   2/20/2021
                                                                    2021.0
                                                                             TV-14
      6863
                      Not Given
      6907
                      Not Given
                                   United States
                                                    1/8/2021
                                                                    2021.0
                                                                            TV-14
      6911
                      Not Given
                                                    1/8/2021
                                          Turkey
                                                                    2021.0
                                                                             TV-MA
      6923
                      Not Given
                                   United States
                                                    1/1/2021
                                                                    2021.0 TV-14
           duration
                                                               listed_in release_y
             90 min
                                                           Documentaries 2021-09-25
      0
                                     Children & Family Movies, Comedies 2021-09-22
      3
             91 min
      6
            104 min
                                                        Comedies, Dramas 2021-09-24
      7
             87 min
                     Children & Family Movies, Comedies, Music & Mu... 2021-05-01
      8
            127 min
                                           Dramas, International Movies 2021-09-23
      6827
             87 min
                                                           Documentaries 2021-03-26
             36 min
                                                        Comedies, Dramas 2021-02-20
      6863
             14 min
      6907
                                                           Documentaries 2021-01-08
             97 min
                                 Comedies, Dramas, International Movies 2021-01-08
      6911
      6923
             54 min
                                                           Documentaries 2021-01-01
             years
      0
            2021.0
      3
            2021.0
      6
            2021.0
      7
            2021.0
            2021.0
      6827
            2021.0
```

```
6863 2021.0
6907 2021.0
6911 2021.0
6923 2021.0
[990 rows x 12 columns]
```

### 0.3.16 Show The All Movies which is released in Pakistan

```
[27]: ds[(ds['type'] == "Movie") & (ds["country"] == 'Pakistan')]
[27]:
           show_id
                     type
                                                                        title \
      12
              s852 Movie
                                                             99 Songs (Tamil)
      67
             s1093 Movie
                                           Dolly Parton: A MusiCares Tribute
      111
              s405 Movie
                                                9to5: The Story of a Movement
      127
              s642 Movie
                                                             Sisters on Track
      152
              s718 Movie
                                                  Headspace: Unwind Your Mind
                                                Super Monsters Save Halloween
      7933
             s4535 Movie
      8290
             s5787 Movie
                           Karol Modzelewski, Łukasz "Lotek" Lodkowski No...
      8326
             s5920 Movie
                                               Iliza Shlesinger: Freezing Hot
      8525
             s7117
                    Movie
                                                       Jake's Buccaneer Blast
      8526
             s7139
                                                John Mellencamp: Plain Spoken
                   Movie
             director
                        country date_added release_year rating duration
      12
            Not Given Pakistan 5/21/2021
                                                   2021.0
                                                          TV-14 131 min
            Not Given Pakistan
                                  4/7/2021
                                                   2021.0
                                                           TV-PG
                                                                   55 min
      111
            Not Given Pakistan
                                7/22/2021
                                                   2021.0
                                                           TV-MA
                                                                   85 min
      127
            Not Given Pakistan
                                 6/24/2021
                                                   2021.0
                                                                   97 min
                                                              PG
      152
            Not Given Pakistan
                                 6/15/2021
                                                   2021.0
                                                            TV-G
                                                                  273 min
                                 10/5/2018
      7933
           Not Given Pakistan
                                                   2018.0
                                                            TV-Y
                                                                   25 min
      8290
           Not Given
                       Pakistan
                                 9/19/2016
                                                   2016.0
                                                           TV-MA
                                                                   65 min
      8326 Not Given Pakistan
                                                                   72 min
                                 1/23/2015
                                                   2015.0
                                                          TV-MA
      8525
           Not Given
                       Pakistan
                                  8/6/2017
                                                   2014.0
                                                            TV-Y
                                                                   22 min
      8526
          Not Given Pakistan
                                  2/1/2018
                                                   2017.0 TV-MA
                                                                   80 min
                                                  listed_in release_y
                                                                         years
      12
            Dramas, International Movies, Music & Musicals 2021-05-21
                                                                        2021.0
      67
                           Documentaries, Music & Musicals 2021-04-07
                                                                        2021.0
      111
                                              Documentaries 2021-07-22
                                                                        2021.0
      127
                              Documentaries, Sports Movies 2021-06-24
                                                                        2021.0
      152
                                              Documentaries 2021-06-15
                                                                        2021.0
      7933
                                  Children & Family Movies 2018-10-05
                                                                        2018.0
      8290
                                            Stand-Up Comedy 2016-09-19
                                                                        2016.0
                                            Stand-Up Comedy 2015-01-23
      8326
                                                                        2015.0
```

```
8525
                                                     Movies 2017-08-06 2017.0
      8526
                           Documentaries, Music & Musicals 2018-02-01 2018.0
      [71 rows x 12 columns]
[28]: ds[(ds['type'] == "Movie") & (ds["country"] == 'Pakistan')]['title']
[28]: 12
                                                99 Songs (Tamil)
      67
                              Dolly Parton: A MusiCares Tribute
      111
                                  9to5: The Story of a Movement
      127
                                                Sisters on Track
      152
                                    Headspace: Unwind Your Mind
      7933
                                  Super Monsters Save Halloween
      8290
              Karol Modzelewski, Łukasz "Lotek" Lodkowski No...
      8326
                                 Iliza Shlesinger: Freezing Hot
      8525
                                          Jake's Buccaneer Blast
      8526
                                  John Mellencamp: Plain Spoken
     Name: title, Length: 71, dtype: object
     0.3.17 Top 10 Directors Which Gives The Highest Movies And TV Shows to the
             NetFlix
[29]: ds['director'].value_counts().head(10)
[29]: director
      Not Given
                                2579
      Rajiv Chilaka
                                  20
      Raúl Campos, Jan Suter
                                  18
      Alastair Fothergill
                                  18
     Marcus Raboy
                                  16
      Suhas Kadav
                                  16
      Jay Karas
                                  14
      Cathy Garcia-Molina
                                  13
      Jay Chapman
                                  12
      Martin Scorsese
                                  12
      Name: count, dtype: int64
[30]: ds['director'].value_counts().head(10).plot(kind='bar',color='y')
[30]: <Axes: xlabel='director'>
```



### 0.3.18 Show Those Movies Which Are Comedians & Country Is United States

```
[31]: ds[(ds['type']=="Movie") & (ds["listed_in"]=="Comedies")

→(ds["country"]=="Pakistan")]
[31]:
                                                                      director
          show_id
                                                              title
                    type
     184
            s1029
                   Movie Dad Stop Embarrassing Me - The Afterparty Not Given
     6780
             s889
                   Movie
                                       The Upshaws - The Afterparty
                                                                    Not Given
            country date_added release_year rating duration listed_in release_y \
           Pakistan 4/16/2021
                                      2021.0 TV-14
     184
                                                      37 min Comedies 2021-04-16
     6780 Pakistan 5/14/2021
                                      2021.0 TV-14
                                                      32 min Comedies 2021-05-14
```

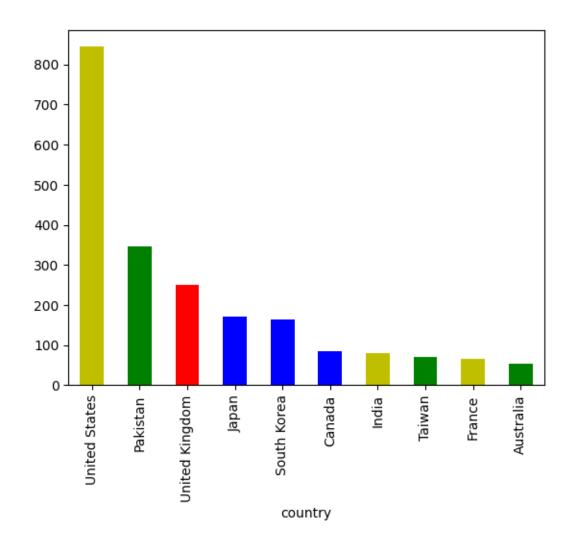
years 184 2021.0 6780 2021.0

### 0.3.19 Which Country Has The Highest Number Of TV Shows

```
[32]:
     ds.head()
[32]:
                                                       title
                                                                      director
        show_id
                     type
                   Movie
                                       Dick Johnson Is Dead
                                                              Kirsten Johnson
      0
             s1
      1
             s3
                 TV Show
                                                   Ganglands
                                                               Julien Leclercq
      2
             s6
                 TV Show
                                               Midnight Mass
                                                                 Mike Flanagan
      3
            s14
                   Movie
                           Confessions of an Invisible Girl
                                                                 Bruno Garotti
      4
             s8
                      NaN
                                                     Sankofa
                                                                  Haile Gerima
               country date_added release_year rating
                                                          duration
         United States
                         9/25/2021
                                           2020.0
                                                   PG-13
                                                             90 min
      0
      1
                France
                         9/24/2021
                                           2021.0
                                                   TV-MA
                                                          1 Season
      2
                         9/24/2021
                                           2021.0
                                                          1 Season
         United States
                                                   TV-MA
      3
                Brazil
                         9/22/2021
                                           2021.0
                                                   TV-PG
                                                             91 min
         United States
                        9/24/2021
                                           1993.0
                                                   TV-MA
                                                           125 min
                                                   listed_in release_y
                                                                           years
      0
                                               Documentaries 2021-09-25
                                                                          2021.0
      1
         Crime TV Shows, International TV Shows, TV Act... 2021-09-24
      2
                         TV Dramas, TV Horror, TV Mysteries 2021-09-24
      3
                         Children & Family Movies, Comedies 2021-09-22
                                                                          2021.0
          Dramas, Independent Movies, International Movies 2021-09-24
                                                                          2021.0
      ds_tvshow=ds[ds["type"] == "TV Show"]
     ds_tvshow.head(5)
[34]:
         show id
                                                       title
                                                                      director \
                      type
      1
                  TV Show
                                                   Ganglands
                                                              Julien Leclercq
              s3
      2
                                               Midnight Mass
              s6
                  TV Show
                                                                 Mike Flanagan
      5
              s9
                  TV Show
                              The Great British Baking Show
                                                              Andy Devonshire
                                       Jailbirds New Orleans
      17
              s4
                  TV Show
                                                                     Not Given
      18
             s15
                  TV Show
                            Crime Stories: India Detectives
                                                                     Not Given
                  country date_added
                                      release_year rating
                                                              duration
      1
                  France
                           9/24/2021
                                             2021.0
                                                    TV-MA
                                                              1 Season
      2
           United States
                           9/24/2021
                                             2021.0
                                                     TV-MA
                                                              1 Season
      5
          United Kingdom
                           9/24/2021
                                             2021.0
                                                     TV-14
                                                             9 Seasons
      17
                Pakistan
                          9/24/2021
                                             2021.0
                                                     TV-MA
                                                              1 Season
      18
                Pakistan 9/22/2021
                                             2021.0 TV-MA
                                                              1 Season
```

```
listed_in release_y
          Crime TV Shows, International TV Shows, TV Act... 2021-09-24 2021.0
      1
                         TV Dramas, TV Horror, TV Mysteries 2021-09-24
      2
                               British TV Shows, Reality TV 2021-09-24
      5
                                                                         2021.0
      17
                                     Docuseries, Reality TV 2021-09-24 2021.0
      18
               British TV Shows, Crime TV Shows, Docuseries 2021-09-22 2021.0
[35]: ds_tvshow.country.value_counts().head(10)
[35]: country
     United States
                        844
     Pakistan
                        346
     United Kingdom
                        251
      Japan
                        172
      South Korea
                        165
     Canada
                         84
      India
                         81
      Taiwan
                         71
     France
                         65
      Australia
                         53
      Name: count, dtype: int64
[36]: ds_tvshow.country.value_counts().head(10).

→plot(kind="bar",color=['y','g','r','b','b','b','y','g'])
[36]: <Axes: xlabel='country'>
```



### 0.3.20 Sort The Values By Years

[37]: ds.sort\_values(by="years").head(10) [37]: title show\_id type 8424 s6612 TV Show Dinner for Five 4254 s5958 Movie To and From New York 4253 s5957 Movie Just Another Love Story 4252 s5956 Movie Splatter 5382 s7371 Movie Mad Ron's Prevues from Hell 4246 s5950 Movie Too Young the Hero 4251 s5955 Movie Even the Rain 4250 s5954 Movie Joseph: King of Dreams 4249 s5953 Movie Victim of Beauty 4248 s5952 Unspeakable Acts Movie

```
date_added
                                                                 release_year
                            director
                                             country
                           Not Given
8424
                                                        2/4/2008
                                                                         2007.0
                                      United States
4254
               Sorin Dan Mihalcescu
                                      United States
                                                        1/1/2008
                                                                         2006.0
4253
                        Ole Bornedal
                                            Denmark
                                                        5/5/2009
                                                                         2007.0
4252
                           Joe Dante
                                      United States
                                                     11/18/2009
                                                                         2009.0
5382
                          Jim Monaco
                                      United States
                                                       11/1/2010
                                                                         1987.0
4246
                          Buzz Kulik United States
                                                       10/1/2011
                                                                         1988.0
4251
                       Icíar Bollaín
                                               Spain
                                                       5/17/2011
                                                                         2010.0
4250
      Rob LaDuca, Robert C. Ramirez
                                      United States
                                                       9/27/2011
                                                                         2000.0
4249
                         Roger Young
                                      United States
                                                       10/1/2011
                                                                         1991.0
4248
                          Linda Otto
                                      United States
                                                       10/1/2011
                                                                         1990.0
     rating
            duration
                                                                 listed in \
8424
     TV-MA
             1 Season
                                             Stand-Up Comedy & Talk Shows
4254
     TV-MA
               81 min
                                    Dramas, Independent Movies, Thrillers
4253
      TV-MA
              104 min
                                             Dramas, International Movies
4252
     TV-MA
               29 min
                                                             Horror Movies
5382
                                                Cult Movies, Horror Movies
         NR
               84 min
4246
      TV-MA
               94 min
                                                                    Dramas
4251
     TV-MA
                                             Dramas, International Movies
              103 min
4250 TV-PG
                        Children & Family Movies, Dramas, Faith & Spir...
               75 min
4249 TV-14
               93 min
                                                         Dramas, Thrillers
4248 TV-14
               95 min
                                                                    Dramas
      release_y
                  years
8424 2008-02-04
                 2008.0
4254 2008-01-01
                 2008.0
4253 2009-05-05
                 2009.0
4252 2009-11-18
                 2009.0
5382 2010-11-01
                 2010.0
4246 2011-10-01
                 2011.0
4251 2011-05-17
                 2011.0
4250 2011-09-27
                 2011.0
4249 2011-10-01
                 2011.0
4248 2011-10-01
                 2011.0
```

### 0.3.21 What Are The Different Rating Which Is Define By The NetFlix

### 0.3.22 How Many Movies Got The TV-14 Rating In Pakistan

```
[40]: ds[(ds["type"] == "Movie") & (ds["rating"] == "TV-14") & (ds["country"] == ⊔ 

→"Pakistan")].shape
```

# [40]: (19, 12)

### 0.3.23 How Many Movies Got The TV-14 Rating after 2020

```
[41]: ds[(ds["type"] == "Movie") & (ds["rating"] == "TV-14") & (ds["years"] > 2020)]
[41]:
           show_id
                                                           title
                     type
              s852 Movie
      12
                                                99 Songs (Tamil)
      13
              s471
                   Movie
                                    Bridgerton - The Afterparty
      16
              s913 Movie
                                    The Circle - The Afterparty
               s25
      30
                   Movie
                                                           Jeans
      53
               s19 Movie
                                                       Intrusion
      6785
              s976 Movie
                               Shadow and Bone - The Afterparty
      6790
             s1012 Movie
                                                    Free to Play
             s1288 Movie Fate: The Winx Saga - The Afterparty
      6863
      6907
             s1426 Movie
                                    Creating The Queen's Gambit
                                   The Minimalists: Less Is Now
      6923
             s1467 Movie
                                   director
                                                     country date_added \
      12
                                                   Pakistan 5/21/2021
                                  Not Given
      13
            Krysia Plonka, Kristian Mercado
                                              United States
                                                              7/13/2021
      16
            Krysia Plonka, Kristian Mercado
                                              United States
                                                               5/7/2021
      30
                                 S. Shankar
                                                       India 9/21/2021
      53
                                 Adam Salky
                                                              9/22/2021
                                                   Not Given
      6785
                                  Not Given
                                              United States
                                                             4/24/2021
      6790
                                  Not Given
                                              United States
                                                              4/19/2021
      6863
                                  Not Given United Kingdom 2/20/2021
      6907
                                  Not Given
                                              United States
                                                               1/8/2021
      6923
                                  Not Given
                                              United States
                                                             1/1/2021
            release_year rating duration \
      12
                  2021.0 TV-14 131 min
                                  39 min
      13
                  2021.0 TV-14
      16
                  2021.0 TV-14
                                  35 min
      30
                  1998.0 TV-14
                                 166 min
      53
                  2021.0 TV-14
                                  94 min
      6785
                  2021.0 TV-14
                                  33 min
      6790
                  2014.0 TV-14
                                  76 min
      6863
                  2021.0 TV-14
                                  36 min
      6907
                  2021.0 TV-14
                                  14 min
```

```
6923 2021.0 TV-14 54 min
```

```
listed_in release_y
                                                                    years
12
      Dramas, International Movies, Music & Musicals 2021-05-21
                                                                   2021.0
13
                                                Movies 2021-07-13
                                                                   2021.0
16
                                              Comedies 2021-05-07
                                                                   2021.0
30
      Comedies, International Movies, Romantic Movies 2021-09-21
                                                                   2021.0
53
                                             Thrillers 2021-09-22 2021.0
6785
                 Action & Adventure, Comedies, Dramas 2021-04-24
                                                                   2021.0
6790
                                         Documentaries 2021-04-19
                                                                   2021.0
6863
                                      Comedies, Dramas 2021-02-20
                                                                   2021.0
6907
                                         Documentaries 2021-01-08 2021.0
6923
                                         Documentaries 2021-01-01 2021.0
```

[200 rows x 12 columns]

### 0.3.24 Which Movie/TV Shows On Netflix Have Maximum Duration Time

```
[42]: ds["duration"].unique()
```

```
[42]: array(['90 min', '1 Season', '91 min', '125 min', '9 Seasons', '104 min',
             '87 min', '127 min', '76 min', '71 min', '131 min', '39 min',
             '36 min', '34 min', '35 min', '46 min', '67 min', '65 min',
             '61 min', '166 min', '103 min', '97 min', '106 min', '2 Seasons',
             '4 Seasons', '147 min', '94 min', '161 min', '111 min', '110 min',
             '105 min', '96 min', '124 min', '116 min', '98 min', '115 min',
             '122 min', '55 min', '99 min', '88 min', '100 min', '6 Seasons',
             '3 Seasons', '23 min', '102 min', '93 min', '95 min', '85 min',
             '83 min', '182 min', '5 Seasons', '92 min', '84 min', '48 min',
             '145 min', '119 min', '80 min', '128 min', '143 min', '273 min',
             '117 min', '114 min', '118 min', '108 min', '37 min', '121 min',
             '63 min', '142 min', '113 min', '154 min', '120 min', '82 min',
             '109 min', '101 min', '86 min', '77 min', '229 min', '15 min',
             '89 min', '156 min', '112 min', '107 min', '129 min', '44 min',
             '68 min', '135 min', '136 min', '165 min', '150 min', '133 min',
             '47 min', '70 min', '56 min', '58 min', '78 min', '140 min',
             '64 min', '59 min', '60 min', '69 min', '19 min', '22 min',
             '148 min', '189 min', '54 min', '141 min', '130 min', '81 min',
             '7 Seasons', '138 min', '132 min', '8 Seasons', '123 min',
             '66 min', '62 min', '74 min', '38 min', '13 min', '139 min',
             '126 min', '155 min', '159 min', '12 min', '137 min', '49 min',
             '72 min', '204 min', '25 min', '212 min', '73 min', '149 min',
             '224 min', '162 min', '75 min', '79 min', '32 min', '158 min',
             '164 min', '173 min', '181 min', '185 min', '21 min', '24 min',
             '51 min', '151 min', '42 min', '134 min', '177 min', '52 min',
             '53 min', '8 min', '57 min', '28 min', '50 min', '9 min', '26 min',
```

```
'45 min', '171 min', '27 min', '33 min', '29 min', '146 min',
             '20 min', '157 min', '203 min', '41 min', '30 min', '17 min',
             '194 min', '15 Seasons', '233 min', '230 min', '237 min',
             '195 min', '253 min', '152 min', '190 min', '160 min', '208 min',
             '180 min', '144 min', '5 min', '174 min', '170 min', '192 min',
             '209 min', '187 min', '172 min', '16 min', '186 min', '11 min',
             '193 min', '176 min', '169 min', '40 min', '3 min', '168 min',
             '153 min', '214 min', '31 min', '163 min', '14 min', '179 min',
             '43 min', '200 min', '196 min', '167 min', '178 min', '228 min',
             '18 min', '205 min', '201 min', '191 min', '10 Seasons',
             '17 Seasons', '13 Seasons', '10 min', '312 min', '12 Seasons',
             '11 Seasons'], dtype=object)
[43]: ds[["Minute", "Unit"]]=ds["duration"].str.split(" ",expand=True)
[44]: ds.head(2)
[44]:
        show_id
                                         title
                                                                       country \
                    type
                                                       director
      0
             s1
                  Movie Dick Johnson Is Dead Kirsten Johnson United States
             s3
                TV Show
                                     Ganglands
                                               Julien Leclercq
                                                                        France
       date_added release_year rating
                                         duration \
                          2020.0 PG-13
      0 9/25/2021
                                           90 min
      1 9/24/2021
                          2021.0 TV-MA
                                        1 Season
                                                 listed_in release_y
                                                                      years \
                                             Documentaries 2021-09-25 2021.0
      0
      1 Crime TV Shows, International TV Shows, TV Act... 2021-09-24 2021.0
       Minute
                 Unit
      0
           90
                  min
            1 Season
      1
[45]: ds['Minute'].max()
[45]: '99'
[46]: ds['Minute'].min()
[46]: '1'
     0.3.25 Show Movies Which are Comedies OR Show TV Shows Which are Kids' TV
[47]: ds[(ds["type"] == "Movie") & (ds["listed_in"] == "Comedies")]
[47]:
           show_id
                     type
                                                               title \
      16
             s913 Movie
                                         The Circle - The Afterparty
                                                           Grown Ups
      31
               s28 Movie
```

```
186
              s153 Movie
                                        Janoskians: Untold and Untrue
                                          Welcome Home Roscoe Jenkins
      254
              s183 Movie
             s1158
                                                              Bad Trip
      6825
                    Movie
      7611
             s3630 Movie
                                                             Otherhood
             s3828 Movie
                                  Still LAUGH-IN: The Stars Celebrate
      7698
      7958
             s4696 Movie
                                Party Monster: Scratching the Surface
                                                   Father of the Year
      7977
             s4762 Movie
                                    director
                                                      country date added
      16
            Krysia Plonka, Kristian Mercado
                                               United States
                                                                5/7/2021
      31
                                Dennis Dugan
                                               United States
                                                               9/20/2021
      184
                                   Not Given
                                                     Pakistan
                                                               4/16/2021
      186
                                Brett Weiner
                                               United States
                                                                9/1/2021
      254
                              Malcolm D. Lee
                                               United States
                                                                9/1/2021
      6825
                                   Not Given
                                               United States
                                                               3/26/2021
      7611
                                   Not Given
                                              United Kingdom
                                                                8/2/2019
      7698
                                   Not Given
                                               United States
                                                               5/14/2019
      7958
                                   Not Given
                                               United States
                                                               8/17/2018
                                               United States
      7977
                                   Not Given
                                                              7/20/2018
            release_year rating duration listed_in release_y
                                                                  years Minute Unit
                  2021.0 TV-14
      16
                                   35 min
                                           Comedies 2021-05-07
                                                                 2021.0
                                                                             35
                                                                                min
      31
                  2010.0 PG-13 103 min
                                           Comedies 2021-09-20
                                                                 2021.0
                                                                            103
                                                                                 min
      184
                  2021.0 TV-14
                                   37 min
                                           Comedies 2021-04-16
                                                                 2021.0
                                                                             37
                                                                                 min
      186
                  2016.0 TV-MA
                                   88 min Comedies 2021-09-01
                                                                 2021.0
                                                                            88
                                                                                min
      254
                  2008.0 PG-13
                                  114 min
                                           Comedies 2021-09-01 2021.0
                                                                           114
                                                                                 min
      6825
                                           Comedies 2021-03-26
                  2021.0 TV-MA
                                   87 min
                                                                2021.0
                                                                            87
                                                                                 min
      7611
                  2019.0
                                  101 min
                                           Comedies 2019-08-02
                                                                 2019.0
                                                                            101
                               R
                                                                                 min
                                   61 min
                                                                             61
      7698
                  2019.0
                          TV-MA
                                           Comedies 2019-05-14
                                                                 2019.0
                                                                                 min
      7958
                  2018.0
                          TV-14
                                   33 min
                                           Comedies 2018-08-17
                                                                 2018.0
                                                                             33
                                                                                 min
      7977
                  2018.0
                          TV-MA
                                   95 min
                                           Comedies 2018-07-20
                                                                 2018.0
                                                                             95
                                                                                 min
      [110 rows x 14 columns]
     ds[(ds["type"] == "TV Show") & (ds["listed_in"] == "Kids' TV")]
[48]:
           show_id
                                                           title
                        type
             s4832
                    TV Show
                                          True: Magical Friends
      20
                                         True: Wonderful Wishes
      21
             s4833
                    TV Show
      22
             s4857
                    TV Show
                                         Dance & Sing with True
      37
               s35
                    TV Show
                                        Tayo and Little Wizards
               s90
                    TV Show
      42
                                                    Mighty Raju
```

Dad Stop Embarrassing Me - The Afterparty

184

s1029 Movie

```
8744
             s8524
                    TV Show
                              The Super Mario Bros. Super Show!
      8757
             s8597
                    TV Show
                                                   Tip the Mouse
      8766
             s8670
                    TV Show
                                                   V.R. Troopers
                     TV Show
      8789
             s8784
                                                             Yoko
      8790
             s8786
                    TV Show
                                                              MOY
                                                  country date_added release_year
                                 director
      20
            Mark Thornton, Todd Kauffman United States
                                                            6/15/2018
                                                                              2018.0
      21
            Mark Thornton, Todd Kauffman United States
                                                            6/15/2018
                                                                              2018.0
      22
            Mark Thornton, Todd Kauffman
                                           United States
                                                            5/18/2018
                                                                              2018.0
      37
                                Not Given
                                                 Pakistan
                                                                  NaN
                                                                              2020.0
      42
                                Not Given
                                                 Pakistan
                                                             9/9/2021
                                                                              2017.0
      •••
                                Not Given
      8744
                                            United States 5/22/2016
                                                                              1989.0
      8757
                                Not Given
                                                  Germany
                                                             9/1/2017
                                                                              2014.0
      8766
                                Not Given
                                            United States
                                                             1/1/2016
                                                                              1995.0
      8789
                                Not Given
                                                 Pakistan
                                                            6/23/2018
                                                                              2016.0
      8790
                                                 Pakistan
                                                             6/7/2018
                                Not Given
                                                                              2016.0
                     duration listed_in release_y
                                                                        Unit
           rating
                                                      years Minute
                     1 Season Kids' TV 2018-06-15
      20
              NaN
                                                     2018.0
                                                                  1
                                                                      Season
      21
             TV-Y
                     1 Season Kids' TV 2018-06-15
                                                     2018.0
                                                                  1
                                                                      Season
      22
             TV-Y
                     1 Season Kids' TV 2018-05-18
                                                     2018.0
                                                                  1
                                                                      Season
            TV-Y7
                     1 Season
                               Kids' TV
                                                                      Season
      37
                                                NaT
                                                        NaN
      42
            TV-Y7
                   4 Seasons Kids' TV 2021-09-09
                                                     2021.0
                                                                     Seasons
      8744
            TV-Y7
                     1 Season Kids' TV 2016-05-22
                                                     2016.0
                                                                      Season
      8757
             TV-Y
                     1 Season Kids' TV 2017-09-01
                                                     2017.0
                                                                  1
                                                                      Season
      8766
             TV-G
                   2 Seasons
                               Kids' TV 2016-01-01
                                                     2016.0
                                                                     Seasons
      8789
             TV-Y
                               Kids' TV 2018-06-23
                     1 Season
                                                     2018.0
                                                                  1
                                                                      Season
      8790
            TV-Y7
                     1 Season
                               Kids' TV 2018-06-07
                                                     2018.0
                                                                      Season
      [218 rows x 14 columns]
[49]: ds[(ds["type"] == "Movie") & (ds["listed in"] == "Comedies") | (ds["type"] == |
       →"TV Show") & (ds["listed_in"] == "Kids' TV")]
[49]:
           show_id
                                                            title \
                        type
              s913
                       Movie
                                    The Circle - The Afterparty
      16
      20
             s4832
                     TV Show
                                           True: Magical Friends
      21
             s4833
                     TV Show
                                          True: Wonderful Wishes
      22
             s4857
                     TV Show
                                          Dance & Sing with True
      31
               s28
                      Movie
                                                        Grown Ups
      8744
             s8524
                    TV Show
                              The Super Mario Bros. Super Show!
                     TV Show
                                                   Tip the Mouse
      8757
             s8597
                    TV Show
                                                   V.R. Troopers
      8766
             s8670
```

8789 s8784 TV Show						Yoko			
8790 s8786 TV Show					YOM				
				director	country	date_added	release_year	\	
	16	Krysia	Plonka, Kı	ristian Mercado	United States	5/7/2021	2021.0		
	20	Mar	k Thornton	, Todd Kauffman	United States	6/15/2018	2018.0		
	21	Mar	k Thornton	, Todd Kauffman	United States	6/15/2018	2018.0		
	22	Mar	k Thornton	, Todd Kauffman	United States	5/18/2018	2018.0		
	31			Dennis Dugan	United States	9/20/2021	2010.0		
					•••	•••			
	8744			Not Given	United States	5/22/2016	1989.0		
	8757			Not Given	Germany	9/1/2017	2014.0		
	8766			Not Given	United States	1/1/2016	1995.0		
	8789			Not Given	Pakistan	6/23/2018	2016.0		
	8790			Not Given	Pakistan	6/7/2018	2016.0		
		rating	duration	listed_in rele	ease_y years	Minute	Unit		
	16	TV-14	35 min	Comedies 2021-	-05-07 2021.0	35	min		
	20	NaN	1 Season	Kids' TV 2018-	-06-15 2018.0	1 Se	ason		
	21	TV-Y	1 Season	Kids' TV 2018-	-06-15 2018.0	1 Se	ason		
	22	TV-Y	1 Season	Kids' TV 2018-	-05-18 2018.0	1 Se	ason		
	31	PG-13	103 min	Comedies 2021	-09-20 2021.0	103	min		
	•••	•••	•••						
	8744	TV-Y7	1 Season	Kids' TV 2016-	-05-22 2016.0	1 Se	ason		
	8757	TV-Y	1 Season	Kids' TV 2017-	-09-01 2017.0	1 Se	ason		
	8766	TV-G	2 Seasons	Kids' TV 2016-	-01-01 2016.0	2 Sea	sons		
	8789	TV-Y	1 Season	Kids' TV 2018-	-06-23 2018.0	1 Se	ason		
	8790	TV-Y7	1 Season	Kids' TV 2018-	-06-07 2018.0	1 Se	ason		
	$\Gamma \Omega \Omega \Omega$		4.4 7	1					

[328 rows x 14 columns]

### 0.3.26 Which Country Has The Highest Number Of Movies On Netflix

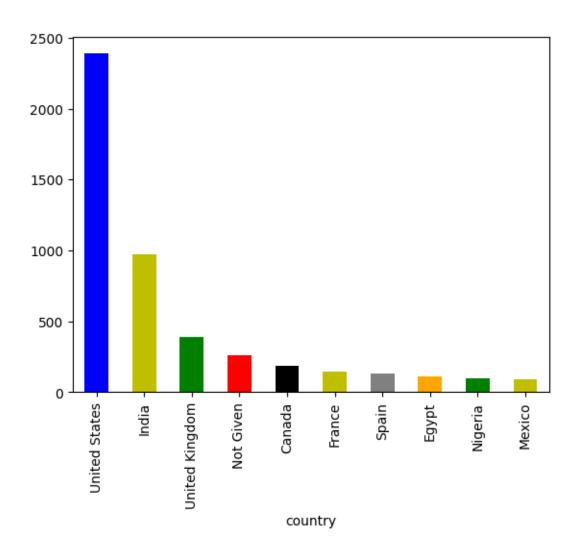
```
[50]: ds.head(3)
[50]:
       show_id
                   type
                                        title
                                                      director
                                                                      country \
     0
                  Movie
                         Dick Johnson Is Dead Kirsten Johnson
                                                               United States
            s1
            s3
                TV Show
                                    Ganglands
     1
                                               Julien Leclercq
                                                                       France
     2
            s6
                TV Show
                                Midnight Mass
                                                 Mike Flanagan United States
       date_added release_year rating duration \
     0 9/25/2021
                                          90 min
                         2020.0 PG-13
     1 9/24/2021
                         2021.0 TV-MA
                                       1 Season
     2 9/24/2021
                         2021.0 TV-MA
                                       1 Season
                                                listed_in release_y
                                                                       years \
     0
                                            Documentaries 2021-09-25 2021.0
```

```
Crime TV Shows, International TV Shows, TV Act... 2021-09-24 2021.0
                        TV Dramas, TV Horror, TV Mysteries 2021-09-24 2021.0
      2
        Minute
                  Unit
            90
                   min
      0
      1
             1
                Season
      2
             1
                Season
[56]: ds_movie=ds[ds["type"] == "Movie"]
[57]: ds_movie
[57]:
           show id
                     type
                                                       title
                                                                          director \
                s1 Movie
                                        Dick Johnson Is Dead
                                                                   Kirsten Johnson
      0
      3
               s14 Movie
                           Confessions of an Invisible Girl
                                                                     Bruno Garotti
                    Movie
      6
               s10
                                                The Starling
                                                                    Theodore Melfi
      7
              s939 Movie
                            Motu Patlu in the Game of Zones
                                                                       Suhas Kadav
      8
               s13
                    Movie
                                                Je Suis Karl
                                                               Christian Schwochow
      8703
             s8232 Movie
                                                    The Bund
                                                                         Not Given
      8708
             s8269
                    Movie
                                            The Darkest Dawn
                                                                         Not Given
      8717
             s8331
                    Movie
                                            The Great Battle
                                                                         Not Given
      8764
             s8648
                    Movie
                                 Twisted Trunk, Big Fat Body
                                                                         Not Given
      8784
             s8785 Movie
                                        Yoko and His Friends
                                                                         Not Given
                   country date_added
                                        release_year rating duration
                           9/25/2021
                                              2020.0 PG-13
                                                               90 min
      0
             United States
      3
                    Brazil
                            9/22/2021
                                              2021.0
                                                     TV-PG
                                                               91 min
      6
             United States 9/24/2021
                                              2021.0 PG-13
                                                              104 min
      7
                     India
                              5/1/2021
                                              2019.0
                                                      TV-Y7
                                                               87 min
      8
                            9/23/2021
                                              2021.0
                                                      TV-MA
                                                              127 min
                   Germany
      8703
                 Hong Kong
                            9/20/2018
                                              1983.0
                                                      TV-14
                                                              103 min
            United Kingdom
                                                               75 min
      8708
                            6/23/2018
                                              2016.0
                                                      TV-MA
      8717
               South Korea
                             4/8/2019
                                              2018.0
                                                      TV-MA
                                                              136 min
      8764
                     India
                            1/15/2017
                                              2015.0
                                                      TV-14
                                                               89 min
      8784
                    Russia 6/23/2018
                                              2015.0
                                                       TV-Y
                                                               78 min
                                                     listed_in release_y
                                                                             years \
      0
                                                 Documentaries 2021-09-25
                                                                            2021.0
                           Children & Family Movies, Comedies 2021-09-22
      3
      6
                                              Comedies, Dramas 2021-09-24
                                                                            2021.0
      7
            Children & Family Movies, Comedies, Music & Mu... 2021-05-01 2021.0
      8
                                  Dramas, International Movies 2021-09-23
                                                                            2021.0
      8703
             Action & Adventure, Dramas, International Movies 2018-09-20
                                                                           2018.0
            Action & Adventure, Independent Movies, Intern... 2018-06-23 2018.0
```

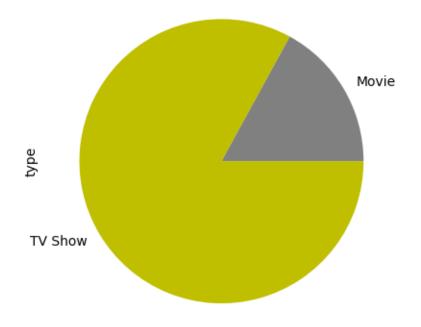
```
8764
                                 Dramas, International Movies 2017-01-15 2017.0
      8784
                                      Children & Family Movies 2018-06-23
                                                                           2018.0
           Minute Unit
      0
               90 min
      3
               91 min
      6
              104
                   min
      7
               87
                   min
      8
              127
                   min
              •••
      8703
              103
                   min
      8708
               75
                   min
      8717
              136 min
      8764
               89
                   min
      8784
               78 min
      [6116 rows x 14 columns]
[58]: ds_movie.country.value_counts()
[58]: country
      United States
                        2388
      India
                         975
      United Kingdom
                         386
      Not Given
                         257
      Canada
                         187
      Zimbabwe
                           1
     Mozambique
                           1
      Namibia
                           1
      Cameroon
                           1
      Croatia
      Name: count, Length: 78, dtype: int64
[64]: ds_movie.country.value_counts().head(10).
       -plot(kind="bar",color=['b','y','g','r','k','y','gray','orange','g','y'])
[64]: <Axes: xlabel='country'>
```

Action & Adventure, Dramas, International Movies 2019-04-08 2019.0

8717



0.3.27 Show That How Many Movies And TV shows On Netflix Released By Pakistan



[]: