

▼ Importing libraries

```
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
```

```
## Reading the csv files and find basic features
df=pd.read_csv('netflix.csv')
df.head(10)
```

	show_id	type	title	director	cast	country	date_added	release_year	rating	duration	listed_in	description
0	s1	Movie	Dick Johnson Is Dead	Kirsten Johnson	NaN	United States	September 25, 2021	2020	PG-13	90 min	Documentaries	As her father nears the end of his life, filmm...
1	s2	TV Show	Blood & Water	NaN	Ama Qamata, Khosi Ngema, Gail Mabalane, Thaban...	South Africa	September 24, 2021	2021	TV-MA	2 Seasons	International TV Shows, TV Dramas, TV Mysteries	After crossing paths at a party, a Cape Town t...
2	s3	TV Show	Ganglands	Julien Leclercq	Sami Bouajila, Tracy Gotoas, Samuel Jouy, Nabl...	NaN	September 24, 2021	2021	TV-MA	1 Season	Crime TV Shows, International TV Shows, TV Act...	To protect his family from a powerful drug lor...
3	s4	TV Show	Jailbirds New Orleans	NaN	NaN	NaN	September 24, 2021	2021	TV-MA	1 Season	Docuseries, Reality TV	Feuds, flirtations and toilet talk go down amo...
4	s5	TV Show	Kota Factory	NaN	Mayur More, Jitendra Kumar, Ranjan Raj, Alam K...	India	September 24, 2021	2021	TV-MA	2 Seasons	International TV Shows, Romantic TV Shows, TV ...	In a city of coaching centers known to train l...
5	s6	TV Show	Midnight Mass	Mike Flanagan	Kate Siegel, Zach Gilford, Hamish Linklater, H...	NaN	September 24, 2021	2021	TV-MA	1 Season	TV Dramas, TV Horror, TV Mysteries	The arrival of a charismatic young priest brin...
6	s7	Movie	My Little Pony: A New Generation	Robert Cullen, José Luis Ucha	Vanessa Hudgens, Kimiko Glenn, James Marsden, ...	NaN	September 24, 2021	2021	PG	91 min	Children & Family Movies	Equestria's divided. But a bright-eyed hero be...
7	s8	Movie	Sankofa	Haile Gerima	Kofi Ghanaba, Oyafunmike Ogunlano, Alexandra D...	United States, Ghana, Burkina Faso, United Kin...	September 24, 2021	1993	TV-MA	125 min	Dramas, Independent Movies, International Movies	On a photo shoot in Ghana, an American model s...
8	s9	TV Show	The Great British Baking Show	Andy Devonshire	Mel Giedroyc, Sue Perkins, Mary Berry, Paul Ho...	United Kingdom	September 24, 2021	2021	TV-14	9 Seasons	British TV Shows, Reality TV	A talented batch of amateur bakers face off in...
					Melissa McCarthy.							A woman adjusting to

```
#finding basic features
df.shape
```

```
(8807, 12)
```

```
#Checking type of data
df.dtypes
```

```
→ show_id      object
   type        object
   title       object
   director     object
   cast         object
   country      object
   date_added   object
   release_year int64
   rating       object
   duration     object
   listed_in    object
   description  object
   dtype: object
```

```
## Number of different values in different columns of the data
df.iloc[:, :].nunique()
```

```
→ show_id      8807
   type         2
   title       8807
   director    4528
   cast        7692
   country     748
   date_added  1767
   release_year 74
   rating      17
   duration    220
   listed_in   514
   description 8775
   dtype: int64
```

```
## Checking null values in every column
df.isnull().sum()
```

```
→ show_id      0
   type         0
   title        0
   director    2634
   cast        825
   country     831
   date_added  10
   release_year 0
   rating       4
   duration     3
   listed_in    0
   description  0
   dtype: int64
```

```
## checking value counts of the column with int dtype i.e Rating other columns have csv therefore it will not give correct result
df['rating'].value_counts()
```

```
→ TV-MA      3207
   TV-14     2160
   TV-PG      863
   R          799
```

```

PG-13      490
TV-Y7      334
TV-Y       307
PG          287
TV-G       220
NR          80
G           41
TV-Y7-FV   6
NC-17      3
UR          3
74 min     1
84 min     1
66 min     1
Name: rating, dtype: int64

```

✓ Unesting the column with csv in it

explode()

If the data in the column is a list or an array, you can use the explode() function to transform each element in the list into a separate row.

```
# Unesting the director column using explode method which is used for unesting lists present in column into single rows for individual value
```

```

dir_list = df['director'].apply(lambda x:str(x).split(', '))
df_director = pd.DataFrame({'title':df['title'],'director':dir_list})
df_director = df_director.explode('director')
df_director

```



	title	director
0	Dick Johnson Is Dead	Kirsten Johnson
1	Blood & Water	nan
2	Ganglands	Julien Leclercq
3	Jailbirds New Orleans	nan
4	Kota Factory	nan
...
8802	Zodiac	David Fincher
8803	Zombie Dumb	nan
8804	Zombieland	Ruben Fleischer
8805	Zoom	Peter Hewitt
8806	Zubaan	Mozez Singh

9612 rows × 2 columns

```
#Unesting cast column and creating seperate row for each cast for specific movie
```

```
cast_list = df['cast'].apply(lambda x:str(x).split(', '))
```

```
df_cast = pd.DataFrame({'title':df['title'],'cast':cast_list})
df_cast = df_cast.explode('cast')
df_cast
```



	title	cast
0	Dick Johnson Is Dead	nan
1	Blood & Water	Ama Qamata
1	Blood & Water	Khosi Ngema
1	Blood & Water	Gail Mabalane
1	Blood & Water	Thabang Molaba
...
8806	Zubaan	Manish Chaudhary
8806	Zubaan	Meghna Malik
8806	Zubaan	Malkeet Rauni
8806	Zubaan	Anita Shabdish
8806	Zubaan	Chittaranjan Tripathy

64951 rows × 2 columns

```
## Unesting the genre column into individual rows
```

```
genre_list = df['listed_in'].apply(lambda x:str(x).split(', '))
df_genre = pd.DataFrame({'title':df['title'],'genre':genre_list})
df_genre = df_genre.explode('genre')
df_genre
```



	title	genre
0	Dick Johnson Is Dead	Documentaries
1	Blood & Water	International TV Shows
1	Blood & Water	TV Dramas
1	Blood & Water	TV Mysteries
2	Ganglands	Crime TV Shows
...
8805	Zoom	Children & Family Movies
8805	Zoom	Comedies
8806	Zubaan	Dramas
8806	Zubaan	International Movies
8806	Zubaan	Music & Musicals

19323 rows × 2 columns

```
## Unesting country column into individual rows
```


```
country_list = df['country'].apply(lambda x:str(x).split(', '))
df_country = pd.DataFrame({'title':df['title'],'country':country_list})
df_country = df_country.explode('country')
df_country
```



	title	country
0	Dick Johnson Is Dead	United States
1	Blood & Water	South Africa
2	Ganglands	nan
3	Jailbirds New Orleans	nan
4	Kota Factory	India
...
8802	Zodiac	United States
8803	Zombie Dumb	nan
8804	Zombieland	United States
8805	Zoom	United States
8806	Zubaan	India

10845 rows × 2 columns

```
## Merging the director with cast
df_cd = df_director.merge(df_cast,on = ['title'])
df_cd.head()
```



	title	director	cast
0	Dick Johnson Is Dead	Kirsten Johnson	nan
1	Blood & Water	nan	Ama Qamata
2	Blood & Water	nan	Khosi Ngema
3	Blood & Water	nan	Gail Mabalane
4	Blood & Water	nan	Thabang Molaba

```
## Merging country with genre
df_gc = df_country.merge(df_genre,on=['title'])
df_gc.head()
```



	title	country	genre
0	Dick Johnson Is Dead	United States	Documentaries
1	Blood & Water	South Africa	International TV Shows
2	Blood & Water	South Africa	TV Dramas
3	Blood & Water	South Africa	TV Mysteries
4	Ganglands	nan	Crime TV Shows

```
## getting the final Data Frame after merging all
df_mer = df_cd.merge(df_gc,on='title')
df_mer
```



	title	director	cast	country	genre
0	Dick Johnson Is Dead	Kirsten Johnson	nan	United States	Documentaries
1	Blood & Water	nan	Ama Qamata	South Africa	International TV Shows
2	Blood & Water	nan	Ama Qamata	South Africa	TV Dramas
3	Blood & Water	nan	Ama Qamata	South Africa	TV Mysteries
4	Blood & Water	nan	Khosi Ngema	South Africa	International TV Shows
...
201986	Zubaan	Mozez Singh	Anita Shabdish	India	International Movies
201987	Zubaan	Mozez Singh	Anita Shabdish	India	Music & Musicals
201988	Zubaan	Mozez Singh	Chittaranjan Tripathy	India	Dramas
201989	Zubaan	Mozez Singh	Chittaranjan Tripathy	India	International Movies
201990	Zubaan	Mozez Singh	Chittaranjan Tripathy	India	Music & Musicals

201991 rows × 5 columns

```
# Merging the unested data Frame with the original data frame
df_final = df_mer.merge(df[['show_id', 'type', 'title', 'date_added','release_year', 'rating', 'duration']],
                        on='title',how = 'left')
df_final
```



	title	director	cast	country	genre	show_id	type	date_added	release_year	rating	duration
0	Dick Johnson Is Dead	Kirsten Johnson	nan	United States	Documentaries	s1	Movie	September 25, 2021	2020	PG-13	90 min
1	Blood & Water	nan	Ama Qamata	South Africa	International TV Shows	s2	TV Show	September 24, 2021	2021	TV-MA	2 Seasons
2	Blood & Water	nan	Ama Qamata	South Africa	TV Dramas	s2	TV Show	September 24, 2021	2021	TV-MA	2 Seasons
3	Blood & Water	nan	Ama Qamata	South Africa	TV Mysteries	s2	TV Show	September 24, 2021	2021	TV-MA	2 Seasons
4	Blood & Water	nan	Khosi Ngema	South Africa	International TV Shows	s2	TV Show	September 24, 2021	2021	TV-MA	2 Seasons
...
201986	Zubaan	Mozez Singh	Anita Shabdish	India	International Movies	s8807	Movie	March 2, 2019	2015	TV-14	111 min
201987	Zubaan	Mozez Singh	Anita Shabdish	India	Music & Musicals	s8807	Movie	March 2, 2019	2015	TV-14	111 min
201988	Zubaan	Mozez Singh	Chittaranjan Tripathy	India	Dramas	s8807	Movie	March 2, 2019	2015	TV-14	111 min
201989	Zubaan	Mozez Singh	Chittaranjan Tripathy	India	International Movies	s8807	Movie	March 2, 2019	2015	TV-14	111 min
201990	Zubaan	Mozez Singh	Chittaranjan Tripathy	India	Music & Musicals	s8807	Movie	March 2, 2019	2015	TV-14	111 min

201991 rows × 11 columns

✓ Checking null values in the unested DataFrame

```
df_final.isnull().sum()
```

```

title      0
director   0
cast       0
country    0
genre      0
show_id    0
type       0
date_added 158
release_year 0
rating     67
duration   3
dtype: int64

```

```
# updating nan values of director with unkown_director and likewise other columns also
```

```

df_final.loc[df_final['director']=='nan', 'director'] = 'unkown_director'
df_final.loc[df_final['cast']=='nan', 'cast'] = 'unkown_cast'
df_final.loc[df_final['genre']=='nan', 'genre'] = 'unkown_genre'

```

```

for i in ['director', 'cast', 'country', 'genre']:
    print(df_final[i].value_counts(), '\n')

```

```

unkown_director    50643
Martin Scorsese     419
Youssef Chahine     409
Cathy Garcia-Molina 356
Steven Spielberg    355

```

```

...
Richard Maurice      1
Richard E. Norman    1
Spencer Williams     1
Oscar Micheaux       1
Kirsten Johnson      1
Name: director, Length: 4994, dtype: int64

```

```

unkown_cast  2146
Liam Neeson   161
Alfred Molina 160
John Krasinski 139
Salma Hayek   130

```

```

...
Dario Yazbek      1
Corinne Foxx      1
Jacob Craner      1
Laila Berzins     1
Richard Ryan      1
Name: cast, Length: 36440, dtype: int64

```

```

United States  59349
India          22814
United Kingdom 12945
nan           11897
Japan          8679

```

```

...
Palestine      2
Kazakhstan     1
Nicaragua      1
United States, 1
Uganda         1
Name: country, Length: 128, dtype: int64

```

```

Dramas          29775
International Movies 28211
Comedies        20829
International TV Shows 12845
Action & Adventure 12216
Independent Movies 9834
Children & Family Movies 9771
TV Dramas       8942
Thrillers       7107
Romantic Movies 6412
TV Comedies     4963
Crime TV Shows  4733
Horror Movies   4571
Kids' TV        4568
Sci-Fi & Fantasy 4037
Music & Musicals 3077
Romantic TV Shows 3049
Documentaries   2407
Anime Series    2313

```

- ✓ In duration column, it was observed that the nulls had values which were written in corresponding ratings column, i.e- you can't expect ratings to be in min. So the duration column nulls are replaced by corresponding values in ratings column

```
df['rating'].value_counts()
```



```
↔ TV-MA      3207
   TV-14     2160
   TV-PG      863
   R          799
   PG-13      490
   TV-Y7      334
   TV-Y       307
   PG         287
   TV-G       220
   NR         80
   G          41
   TV-Y7-FV   6
   NC-17      3
   UR         3
   74 min     1
   84 min     1
   66 min     1
   Name: rating, dtype: int64
```

```
df_final['duration'].value_counts().head(60)
```

```
↔ 1 Season    35035
   2 Seasons   9559
   3 Seasons   5084
   94 min     4343
   106 min    4040
   97 min     3624
   95 min     3560
   96 min     3484
   93 min     3480
   90 min     3305
   105 min    3209
   107 min    3103
   101 min    3048
   102 min    3017
   103 min    2985
   98 min     2984
   99 min     2956
   91 min     2915
   92 min     2863
   104 min    2822
   88 min     2781
   110 min    2711
   100 min    2697
   108 min    2614
   112 min    2594
   85 min     2486
   89 min     2420
   86 min     2213
   4 Seasons   2134
   116 min    2122
   118 min    2119
   119 min    2075
   87 min     2063
   109 min    2020
   113 min    1990
   120 min    1845
   117 min    1770
   121 min    1728
   5 Seasons   1698
```

```

111 min      1667
124 min      1590
114 min      1529
127 min      1505
115 min      1444
123 min      1398
125 min      1299
122 min      1298
84 min       1267
128 min      1241
130 min      1216
126 min      1205
81 min       1203
83 min       1192
133 min      1169
137 min      1122
82 min       1100
136 min      1092
132 min      1047

```

```

df_final.loc[df_final['duration'].isnull(),'duration'] = df_final.loc[df_final['duration'].isnull(),'duration'].fillna(df_final['rating'])
df_final.isnull().sum()

```

```

↔ title          0
director         0
cast             0
country          0
genre            0
show_id          0
type             0
date_added      158
release_year     0
rating          67
duration         0
dtype: int64

```

▼ The rating column values and min rows should be replaced with unknown_rating

```

df_final.loc[df_final['rating'].str.contains('min',na=False),'rating']='unknown_rating'
df_final['rating'].fillna('unknown_rating',inplace=True)
df_final.loc[df_final['rating']=='unknown_rating']

```



	title	director	cast	country	genre	show_id	type	date_added	release_year	rating	duration
126537	Louis C.K. 2017	Louis C.K.	Louis C.K.	United States	Movies	s5542	Movie	April 4, 2017	2017	unknown_rating	74 min
131603	Louis C.K.: Hilarious	Louis C.K.	Louis C.K.	United States	Movies	s5795	Movie	September 16, 2016	2010	unknown_rating	84 min
131737	Louis C.K.: Live at the Comedy Store	Louis C.K.	Louis C.K.	United States	Movies	s5814	Movie	August 15, 2016	2015	unknown_rating	66 min
135125	13TH: A Conversation with Oprah Winfrey & Ava ...	unkown_director	Oprah Winfrey	nan	Movies	s5990	Movie	January 26, 2017	2017	unknown_rating	37 min
135126	13TH: A Conversation with Oprah Winfrey & Ava ...	unkown_director	Ava DuVernay	nan	Movies	s5990	Movie	January 26, 2017	2017	unknown_rating	37 min
...
171942	My Honor Was Loyalty	Alessandro Pepe	Francesco Migliore	Italy	Dramas	s7538	Movie	March 1, 2017	2015	unknown_rating	115 min
171943	My Honor Was Loyalty	Alessandro Pepe	Albrecht Weimer	Italy	Dramas	s7538	Movie	March 1, 2017	2015	unknown_rating	115 min
		..	.								

✓ Checking nulls in date_added column

```
# The nulls in date added column can be filled using imputation method
df_final[df_final['date_added'].isnull()].head(60)
```



	title	director	cast	country	genre	show_id	type	date_added	release_year	rating	duration
136893	A Young Doctor's Notebook and Other Stories	unkown_director	Daniel Radcliffe	United Kingdom	British TV Shows	s6067	TV Show	NaN	2013	TV-MA	2 Seasons
136894	A Young Doctor's Notebook and Other Stories	unkown_director	Daniel Radcliffe	United Kingdom	TV Comedies	s6067	TV Show	NaN	2013	TV-MA	2 Seasons
136895	A Young Doctor's Notebook and Other Stories	unkown_director	Daniel Radcliffe	United Kingdom	TV Dramas	s6067	TV Show	NaN	2013	TV-MA	2 Seasons
136896	A Young Doctor's Notebook and Other Stories	unkown_director	Jon Hamm	United Kingdom	British TV Shows	s6067	TV Show	NaN	2013	TV-MA	2 Seasons
136897	A Young Doctor's Notebook and Other Stories	unkown_director	Jon Hamm	United Kingdom	TV Comedies	s6067	TV Show	NaN	2013	TV-MA	2 Seasons
136898	A Young Doctor's Notebook and Other Stories	unkown_director	Jon Hamm	United Kingdom	TV Dramas	s6067	TV Show	NaN	2013	TV-MA	2 Seasons
136899	A Young Doctor's Notebook and Other Stories	unkown_director	Adam Godley	United Kingdom	British TV Shows	s6067	TV Show	NaN	2013	TV-MA	2 Seasons
136900	A Young Doctor's Notebook and Other Stories	unkown_director	Adam Godley	United Kingdom	TV Comedies	s6067	TV Show	NaN	2013	TV-MA	2 Seasons
136901	A Young Doctor's Notebook and Other Stories	unkown_director	Adam Godley	United Kingdom	TV Dramas	s6067	TV Show	NaN	2013	TV-MA	2 Seasons
136902	A Young Doctor's Notebook and Other Stories	unkown_director	Christopher Godwin	United Kingdom	British TV Shows	s6067	TV Show	NaN	2013	TV-MA	2 Seasons
136903	A Young Doctor's Notebook and Other Stories	unkown_director	Christopher Godwin	United Kingdom	TV Comedies	s6067	TV Show	NaN	2013	TV-MA	2 Seasons
136904	A Young Doctor's Notebook and Other Stories	unkown_director	Christopher Godwin	United Kingdom	TV Dramas	s6067	TV Show	NaN	2013	TV-MA	2 Seasons
136905	A Young Doctor's Notebook and Other Stories	unkown_director	Rosie Cavaliero	United Kingdom	British TV Shows	s6067	TV Show	NaN	2013	TV-MA	2 Seasons
136906	A Young Doctor's Notebook and Other Stories	unkown_director	Rosie Cavaliero	United Kingdom	TV Comedies	s6067	TV Show	NaN	2013	TV-MA	2 Seasons
136907	A Young Doctor's Notebook and Other Stories	unkown_director	Rosie Cavaliero	United Kingdom	TV Dramas	s6067	TV Show	NaN	2013	TV-MA	2 Seasons
136908	A Young Doctor's Notebook and Other Stories	unkown_director	Vicki Pepperdine	United Kingdom	British TV Shows	s6067	TV Show	NaN	2013	TV-MA	2 Seasons
136909	A Young Doctor's Notebook and Other Stories	unkown_director	Vicki Pepperdine	United Kingdom	TV Comedies	s6067	TV Show	NaN	2013	TV-MA	2 Seasons
136910	A Young Doctor's Notebook and Other Stories	unkown_director	Vicki Pepperdine	United Kingdom	TV Dramas	s6067	TV Show	NaN	2013	TV-MA	2 Seasons
136911	A Young Doctor's Notebook and Other Stories	unkown_director	Margaret Clunie	United Kingdom	British TV Shows	s6067	TV Show	NaN	2013	TV-MA	2 Seasons
136912	A Young Doctor's Notebook and Other Stories	unkown_director	Margaret Clunie	United Kingdom	TV Comedies	s6067	TV Show	NaN	2013	TV-MA	2 Seasons
136913	A Young Doctor's Notebook and Other Stories	unkown_director	Margaret Clunie	United Kingdom	TV Dramas	s6067	TV Show	NaN	2013	TV-MA	2 Seasons

136914	A Young Doctor's Notebook and Other Stories	unkown_director	Tim Steed	United Kingdom	British TV Shows	s6067	TV Show	NaN	2013	TV-MA	2 Seasons
136915	A Young Doctor's Notebook and Other Stories	unkown_director	Tim Steed	United Kingdom	TV Comedies	s6067	TV Show	NaN	2013	TV-MA	2 Seasons
136916	A Young Doctor's Notebook and Other Stories	unkown_director	Tim Steed	United Kingdom	TV Dramas	s6067	TV Show	NaN	2013	TV-MA	2 Seasons
136917	A Young Doctor's Notebook and Other Stories	unkown_director	Shaun Pye	United Kingdom	British TV Shows	s6067	TV Show	NaN	2013	TV-MA	2 Seasons
136918	A Young Doctor's Notebook and Other Stories	unkown_director	Shaun Pye	United Kingdom	TV Comedies	s6067	TV Show	NaN	2013	TV-MA	2 Seasons
136919	A Young Doctor's Notebook and Other Stories	unkown_director	Shaun Pye	United Kingdom	TV Dramas	s6067	TV Show	NaN	2013	TV-MA	2 Seasons
139181	Anthony Bourdain: Parts Unknown	unkown_director	Anthony Bourdain	United States	Docuseries	s6175	TV Show	NaN	2018	TV-PG	5 Seasons
153680	Frasier	unkown_director	Kelsey Grammer	United States	Classic & Cult TV	s6796	TV Show	NaN	2003	TV-PG	11 Seasons
153681	Frasier	unkown_director	Kelsey Grammer	United States	TV Comedies	s6796	TV Show	NaN	2003	TV-PG	11 Seasons
153682	Frasier	unkown_director	Jane Leeves	United States	Classic & Cult TV	s6796	TV Show	NaN	2003	TV-PG	11 Seasons
153683	Frasier	unkown_director	Jane Leeves	United States	TV Comedies	s6796	TV Show	NaN	2003	TV-PG	11 Seasons
153684	Frasier	unkown_director	David Hyde Pierce	United States	Classic & Cult TV	s6796	TV Show	NaN	2003	TV-PG	11 Seasons
153685	Frasier	unkown_director	David Hyde Pierce	United States	TV Comedies	s6796	TV Show	NaN	2003	TV-PG	11 Seasons
153686	Frasier	unkown_director	Peri Gilpin	United States	Classic & Cult TV	s6796	TV Show	NaN	2003	TV-PG	11 Seasons
153687	Frasier	unkown_director	Peri Gilpin	United States	TV Comedies	s6796	TV Show	NaN	2003	TV-PG	11 Seasons
153688	Frasier	unkown_director	John Mahoney	United States	Classic & Cult TV	s6796	TV Show	NaN	2003	TV-PG	11 Seasons
153689	Frasier	unkown_director	John Mahoney	United States	TV Comedies	s6796	TV Show	NaN	2003	TV-PG	11 Seasons
153690	Frasier	unkown_director	Dan Butler	United States	Classic & Cult TV	s6796	TV Show	NaN	2003	TV-PG	11 Seasons

✓ Filling missing Values by imputation

✓ Mode Imputation for date added column

```
## Filling Values by mode imputation.

# Date added column is imputed on the basis of release year,i.e- suppose there's a null for date_added
# When release year was 2013.So below piece of code just checks the mode of date added for release year=2013
# and imputes in place of nulls the corresponding mode

for i in df_final[df_final['date_added'].isnull()]['release_year'].unique():
    mode_imp = df_final[df_final['release_year']==i]['date_added'].mode().values[0]
    df_final.loc[df_final['release_year']==i,'date_added'] = df_final.loc[df_final['release_year']==i,'date_added'].fillna(mode_imp)
```

✓ Mode imputation for country column

```
# Country column is imputed on the basis of director,i.e- suppose there's a null for country
# when we have a director whose other movies have a country given.So below piece of code just checks the mode of
# Country for the director and imputes in place of nulls the corresponding mode

df_final.loc[df_final['country']=='unkown_country','country']=np.NaN
for i in df_final[df_final['country'].isnull()]['director'].unique():
    if i in df_final[~df_final['country'].isnull()]['director'].unique():
        mode_imp = df_final[df_final['director']==i]['country'].mode().values[0]
        df_final.loc[df_final['director']==i,'country'] = df_final.loc[df_final['director']==i,'country'].fillna(mode_imp)
```

```
## More than 50 percent of values are imputed through mode imputation these values are left
df_final['country'].isnull().sum()
```

↔ 0

```
# So we imputed the country column on the basis of directors whose other movie titles had countries given.
# But there might be directors who have only one occurrence in our data.
# In that scenario, we can use Cast as a basis. i.e- for this Cast or Actor majorly acts in movies of which country?
# Imputation has been done on this basis. For remaining rows, country has been filled as Unknown Country
```

```
for i in df_final[df_final['country'].isnull()]['cast'].unique():
    if i in df_final[~df_final['country'].isnull()]['cast'].unique():
        mode_imp = df_final[df_final['cast']==i]['country'].mode().values[0]
        df_final.loc[df_final['cast']==i,'country'] = df_final.loc[df_final['cast']==i,'country'].fillna(mode_imp)
```

```
## These are the remaining Values which are null
df_final['country'].isnull().sum()
```

↔ 0

```
# Filling the remaining values of country with unkown_country
df_final['country'].fillna('unkown_country', inplace=True)
```

✓ After Handling Missing Values lets check the nulls in df

```
# All nulls have been removed with appropriate methods
df_final.isnull().sum()
```

```
title      0
director   0
cast       0
country    0
genre      0
show_id    0
type       0
date_added 0
release_year 0
rating     0
duration   0
dtype: int64
```

```
df_final.head(10)
```

```
title      director      cast      country      genre  show_id  type      date_added  release_year  rating  duration
0  Dick Johnson Is Dead  Kirsten Johnson  unkown_cast  United States  Documentaries  s1  Movie  September 25, 2021  2020  PG-13  90 min
1  Blood & Water  unkown_director  Ama Qamata  South Africa  International TV Shows  s2  TV Show  September 24, 2021  2021  TV-MA  2 Seasons
2  Blood & Water  unkown_director  Ama Qamata  South Africa  TV Dramas  s2  TV Show  September 24, 2021  2021  TV-MA  2 Seasons
3  Blood & Water  unkown_director  Ama Qamata  South Africa  TV Mysteries  s2  TV Show  September 24, 2021  2021  TV-MA  2 Seasons
4  Blood & Water  unkown_director  Khosi Ngema  South Africa  International TV Shows  s2  TV Show  September 24, 2021  2021  TV-MA  2 Seasons
5  Blood & Water  unkown_director  Khosi Ngema  South Africa  TV Dramas  s2  TV Show  September 24, 2021  2021  TV-MA  2 Seasons
6  Blood & Water  unkown_director  Khosi Ngema  South Africa  TV Mysteries  s2  TV Show  September 24, 2021  2021  TV-MA  2 Seasons
7  Blood & Water  unkown_director  Gail Mabalanane  South Africa  International TV Shows  s2  TV Show  September 24, 2021  2021  TV-MA  2 Seasons
8  Blood & Water  unkown_director  Gail Mabalanane  South Africa  TV Dramas  s2  TV Show  September 24, 2021  2021  TV-MA  2 Seasons
9  Blood & Water  unkown_director  Gail Mabalanane  South Africa  TV Mysteries  s2  TV Show  September 24, 2021  2021  TV-MA  2 Seasons
```

✓ Analyzing duration

```
df_final['duration']
```

```
0      90 min
1  2 Seasons
2  2 Seasons
3  2 Seasons
4  2 Seasons
...
```

```

201986      111 min
201987      111 min
201988      111 min
201989      111 min
201990      111 min
Name: duration, Length: 201991, dtype: object

```

```

df_final['duration'] = df_final['duration'].str.replace(" min","")
df_final['duration']

```

```

↩ 0          90
   1      2 Seasons
   2      2 Seasons
   3      2 Seasons
   4      2 Seasons
   ...
201986      111
201987      111
201988      111
201989      111
201990      111
Name: duration, Length: 201991, dtype: object

```

```
df_final['duration'].unique()
```

```

↩ array(['90', '2 Seasons', '1 Season', '91', '125', '9 Seasons', '104',
        '127', '4 Seasons', '67', '94', '5 Seasons', '161', '61', '166',
        '147', '103', '97', '106', '111', '3 Seasons', '110', '105', '96',
        '124', '116', '98', '23', '115', '122', '99', '88', '100',
        '6 Seasons', '102', '93', '95', '85', '83', '113', '13', '182',
        '48', '145', '87', '92', '80', '117', '128', '119', '143', '114',
        '118', '108', '63', '121', '142', '154', '120', '82', '109', '101',
        '86', '229', '76', '89', '156', '112', '107', '129', '135', '136',
        '165', '150', '133', '70', '84', '140', '78', '7 Seasons', '64',
        '59', '139', '69', '148', '189', '141', '130', '138', '81', '132',
        '10 Seasons', '123', '65', '68', '66', '62', '74', '131', '39',
        '46', '38', '8 Seasons', '17 Seasons', '126', '155', '159', '137',
        '12', '273', '36', '34', '77', '60', '49', '58', '72', '204',
        '212', '25', '73', '29', '47', '32', '35', '71', '149', '33', '15',
        '54', '224', '162', '37', '75', '79', '55', '158', '164', '173',
        '181', '185', '21', '24', '51', '151', '42', '22', '134', '177',
        '13 Seasons', '52', '14', '53', '8', '57', '28', '50', '9', '26',
        '45', '171', '27', '44', '146', '20', '157', '17', '203', '41',
        '30', '194', '15 Seasons', '233', '237', '230', '195', '253',
        '152', '190', '160', '208', '180', '144', '5', '174', '170', '192',
        '209', '187', '172', '16', '186', '11', '193', '176', '56', '169',
        '40', '10', '3', '168', '312', '153', '214', '31', '163', '19',
        '12 Seasons', '179', '11 Seasons', '43', '200', '196', '167',
        '178', '228', '18', '205', '201', '191'], dtype=object)

```

```
## Converting the duration value for season to 0 by creating a new data frame for analysis
```

```

df_final1 = df_final.copy()
df_final1['duration_copy'] = df_final1['duration']
df_final1

```




	title	director	cast	country	genre	show_id	type	date_added	release_year	rating	duration	duration_copy
0	Dick Johnson Is Dead	Kirsten Johnson	unkown_cast	United States	Documentaries	s1	Movie	September 25, 2021	2020	PG-13	90	90
1	Blood & Water	unkown_director	Ama Qamata	South Africa	International TV Shows	s2	TV Show	September 24, 2021	2021	TV-MA	2 Seasons	2 Seasons
2	Blood & Water	unkown_director	Ama Qamata	South Africa	TV Dramas	s2	TV Show	September 24, 2021	2021	TV-MA	2 Seasons	2 Seasons
3	Blood & Water	unkown_director	Ama Qamata	South Africa	TV Mysteries	s2	TV Show	September 24, 2021	2021	TV-MA	2 Seasons	2 Seasons
4	Blood & Water	unkown_director	Khosi Ngema	South Africa	International TV Shows	s2	TV Show	September 24, 2021	2021	TV-MA	2 Seasons	2 Seasons
...
201986	Zubaan	Mozez Singh	Anita Shabdish	India	International Movies	s8807	Movie	March 2, 2019	2015	TV-14	111	111
201987	Zubaan	Mozez Singh	Anita Shabdish	India	Music & Musicals	s8807	Movie	March 2, 2019	2015	TV-14	111	111
201988	Zubaan	Mozez Singh	Chittaranjan Tripathy	India	Dramas	s8807	Movie	March 2, 2019	2015	TV-14	111	111

```
df_final1.loc[df_final1['duration_copy'].str.contains('Season'),'duration_copy'] = 0
df_final1['duration_copy'] = df_final1['duration_copy'].astype('int')
df_final1
```



	title	director	cast	country	genre	show_id	type	date_added	release_year	rating	duration	duration_copy
0	Dick Johnson Is Dead	Kirsten Johnson	unkown_cast	United States	Documentaries	s1	Movie	September 25, 2021	2020	PG-13	90	90
1	Blood & Water	unkown_director	Ama Qamata	South Africa	International TV Shows	s2	TV Show	September 24, 2021	2021	TV-MA	2 Seasons	0
2	Blood & Water	unkown_director	Ama Qamata	South Africa	TV Dramas	s2	TV Show	September 24, 2021	2021	TV-MA	2 Seasons	0
3	Blood & Water	unkown_director	Ama Qamata	South Africa	TV Mysteries	s2	TV Show	September 24, 2021	2021	TV-MA	2 Seasons	0
4	Blood & Water	unkown_director	Khosi Ngema	South Africa	International TV Shows	s2	TV Show	September 24, 2021	2021	TV-MA	2 Seasons	0
...
201986	Zubaan	Mozez Singh	Anita Shabdish	India	International Movies	s8807	Movie	March 2, 2019	2015	TV-14	111	111
201987	Zubaan	Mozez Singh	Anita Shabdish	India	Music & Musicals	s8807	Movie	March 2, 2019	2015	TV-14	111	111
201988	Zubaan	Mozez Singh	Chittaranjan Tripathy	India	Dramas	s8807	Movie	March 2, 2019	2015	TV-14	111	111

```
df_final1['duration_copy'].describe()
```



```
count    201991.000000
mean       77.152789
std        52.269154
min         0.000000
```

```

25%      0.000000
50%     95.000000
75%    112.000000
max     312.000000
Name: duration_copy, dtype: float64

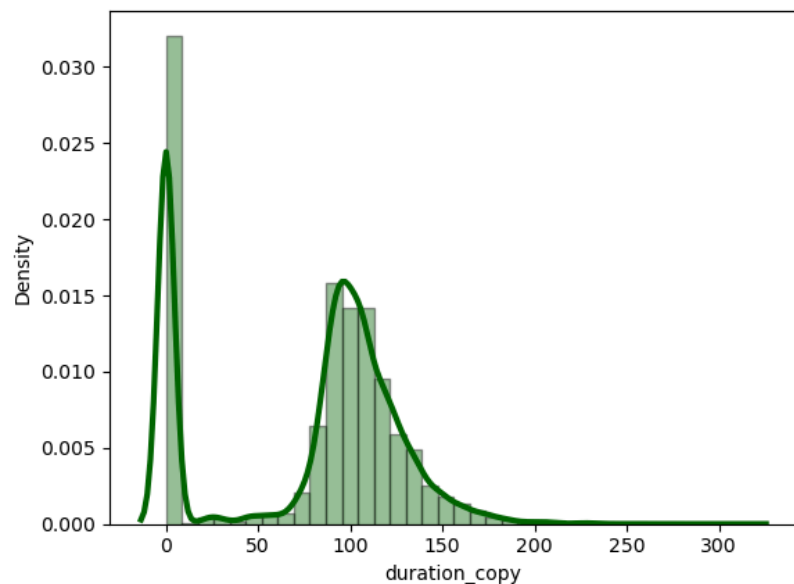
```

```

sns.distplot(df_final1['duration_copy'], hist=True, kde=True,
bins=int(36), color = 'darkgreen',
hist_kws={'edgecolor':'black'},
kde_kws={'linewidth': 3})
plt.show()

```

→ C:\Users\tsvi\anaconda3\lib\site-packages\seaborn\distributions.py:2619: FutureWarning: `distplot` is a deprecated function and will be removed in a future version. Please add warnings.warn(msg, FutureWarning)



```

bins1 = [-1,1,50,80,100,120,150,200,315]
labels1 = ['<1','1-50','50-80','80-100','100-120','120-150','150-200','200-315']
df_final1['duration_copy'] = pd.cut(df_final1['duration_copy'],bins=bins1,labels=labels1)
df_final1.head()

```

→

	title	director	cast	country	genre	show_id	type	date_added	release_year	rating	duration	duration_copy
0	Dick Johnson Is Dead	Kirsten Johnson	unkown_cast	United States	Documentaries	s1	Movie	September 25, 2021	2020	PG-13	90	80-100
1	Blood & Water	unkown_director	Ama Qamata	South Africa	International TV Shows	s2	TV Show	September 24, 2021	2021	TV-MA	2 Seasons	<1
2	Blood & Water	unkown_director	Ama Qamata	South Africa	TV Dramas	s2	TV Show	September 24, 2021	2021	TV-MA	2 Seasons	<1
3	Blood & Water	unkown_director	Ama Qamata	South Africa	TV Mysteries	s2	TV Show	September 24, 2021	2021	TV-MA	2 Seasons	<1
4	Blood & Water	unkown_director	Khosi Ngema	South Africa	International TV Shows	s2	TV Show	September 24, 2021	2021	TV-MA	2 Seasons	<1

```
df_final1.loc[~df_final1['duration'].str.contains('Season'),'duration']=df_final1.loc[~df_final1['duration'].str.contains('Season'),'duration_copy']
df_final1.drop(['duration_copy'],axis=1,inplace=True)
df_final1.head()
```

	title	director	cast	country	genre	show_id	type	date_added	release_year	rating	duration
0	Dick Johnson Is Dead	Kirsten Johnson	unkown_cast	United States	Documentaries	s1	Movie	September 25, 2021	2020	PG-13	80-100
1	Blood & Water	unkown_director	Ama Qamata	South Africa	International TV Shows	s2	TV Show	September 24, 2021	2021	TV-MA	2 Seasons
2	Blood & Water	unkown_director	Ama Qamata	South Africa	TV Dramas	s2	TV Show	September 24, 2021	2021	TV-MA	2 Seasons
3	Blood & Water	unkown_director	Ama Qamata	South Africa	TV Mysteries	s2	TV Show	September 24, 2021	2021	TV-MA	2 Seasons
4	Blood & Water	unkown_director	Khosi Ngema	South Africa	International TV Shows	s2	TV Show	September 24, 2021	2021	TV-MA	2 Seasons

```
df_final1['duration'].value_counts()
```

```
80-100      52937
100-120     48724
1 Season    35035
120-150     26691
2 Seasons   9559
50-80       7700
150-200     6737
3 Seasons   5084
1-50        2530
4 Seasons   2134
5 Seasons   1698
7 Seasons    843
6 Seasons    633
200-315     524
8 Seasons    286
9 Seasons    257
10 Seasons   220
13 Seasons   132
12 Seasons   111
15 Seasons    96
17 Seasons    30
11 Seasons    30
Name: duration, dtype: int64
```

```
from datetime import datetime
from dateutil.parser import parse
arr=[]
for i in df_final1['date_added'].values:
    dt1=parse(i)
    arr.append(dt1.strftime('%Y-%m-%d'))
df_final1['Modified_Added_date'] =arr
df_final1['Modified_Added_date']=pd.to_datetime(df_final1['Modified_Added_date'])
df_final1['month_added']=df_final1['Modified_Added_date'].dt.month
df_final1['week_Added']=df_final1['Modified_Added_date'].dt.week
df_final1['year']=df_final1['Modified_Added_date'].dt.year
df_final1.head()
```

C:\Users\tsvi\AppData\Local\Temp\ipykernel_13240\917954583.py:10: FutureWarning: Series.dt.weekofyear and Series.dt.week have been deprecated. Please use Series.dt.isocalendar.
 df_final1['week_Added']=df_final1['Modified_Added_date'].dt.week

	title	director	cast	country	genre	show_id	type	date_added	release_year	rating	duration	Modified_Added_date	month_added	week_Added	year
0	Dick Johnson Is Dead	Kirsten Johnson	unkown_cast	United States	Documentaries	s1	Movie	September 25, 2021	2020	PG-13	80-100	2021-09-25	9	38	2021
1	Blood & Water	unkown_director	Ama Qamata	South Africa	International TV Shows	s2	TV Show	September 24, 2021	2021	TV-MA	2 Seasons	2021-09-24	9	38	2021
2	Blood & Water	unkown_director	Ama Qamata	South Africa	TV Dramas	s2	TV Show	September 24, 2021	2021	TV-MA	2 Seasons	2021-09-24	9	38	2021
3	Blood & Water	unkown_director	Ama Qamata	South Africa	TV Mysteries	s2	TV Show	September 24, 2021	2021	TV-MA	2 Seasons	2021-09-24	9	38	2021
4	Blood & Water	unkown_director	Khosi Ngema	South Africa	International TV Shows	s2	TV Show	September 24, 2021	2021	TV-MA	2 Seasons	2021-09-24	9	38	2021

#Titles such as Bahubali(Hindi Version),Bahubali(Tamil Version) were there. Since it's only one movie in different languages,
 #presence of brackets and content between brackets is removed.
 df_final1['title']=df_final1['title'].str.replace(r"(.*)", "")
 df_final1.head()

C:\Users\tsvi\AppData\Local\Temp\ipykernel_13240\3753997727.py:3: FutureWarning: The default value of regex will change from True to False in a future version.
 df_final1['title']=df_final1['title'].str.replace(r"(.*)", "")

	title	director	cast	country	genre	show_id	type	date_added	release_year	rating	duration	Modified_Added_date	month_added	week_Added	year
0	Dick Johnson Is Dead	Kirsten Johnson	unkown_cast	United States	Documentaries	s1	Movie	September 25, 2021	2020	PG-13	80-100	2021-09-25	9	38	2021
1	Blood & Water	unkown_director	Ama Qamata	South Africa	International TV Shows	s2	TV Show	September 24, 2021	2021	TV-MA	2 Seasons	2021-09-24	9	38	2021
2	Blood & Water	unkown_director	Ama Qamata	South Africa	TV Dramas	s2	TV Show	September 24, 2021	2021	TV-MA	2 Seasons	2021-09-24	9	38	2021
3	Blood & Water	unkown_director	Ama Qamata	South Africa	TV Mysteries	s2	TV Show	September 24, 2021	2021	TV-MA	2 Seasons	2021-09-24	9	38	2021
4	Blood & Water	unkown_director	Khosi Ngema	South Africa	International TV Shows	s2	TV Show	September 24, 2021	2021	TV-MA	2 Seasons	2021-09-24	9	38	2021

Univariate Analysis in terms of counts of each column

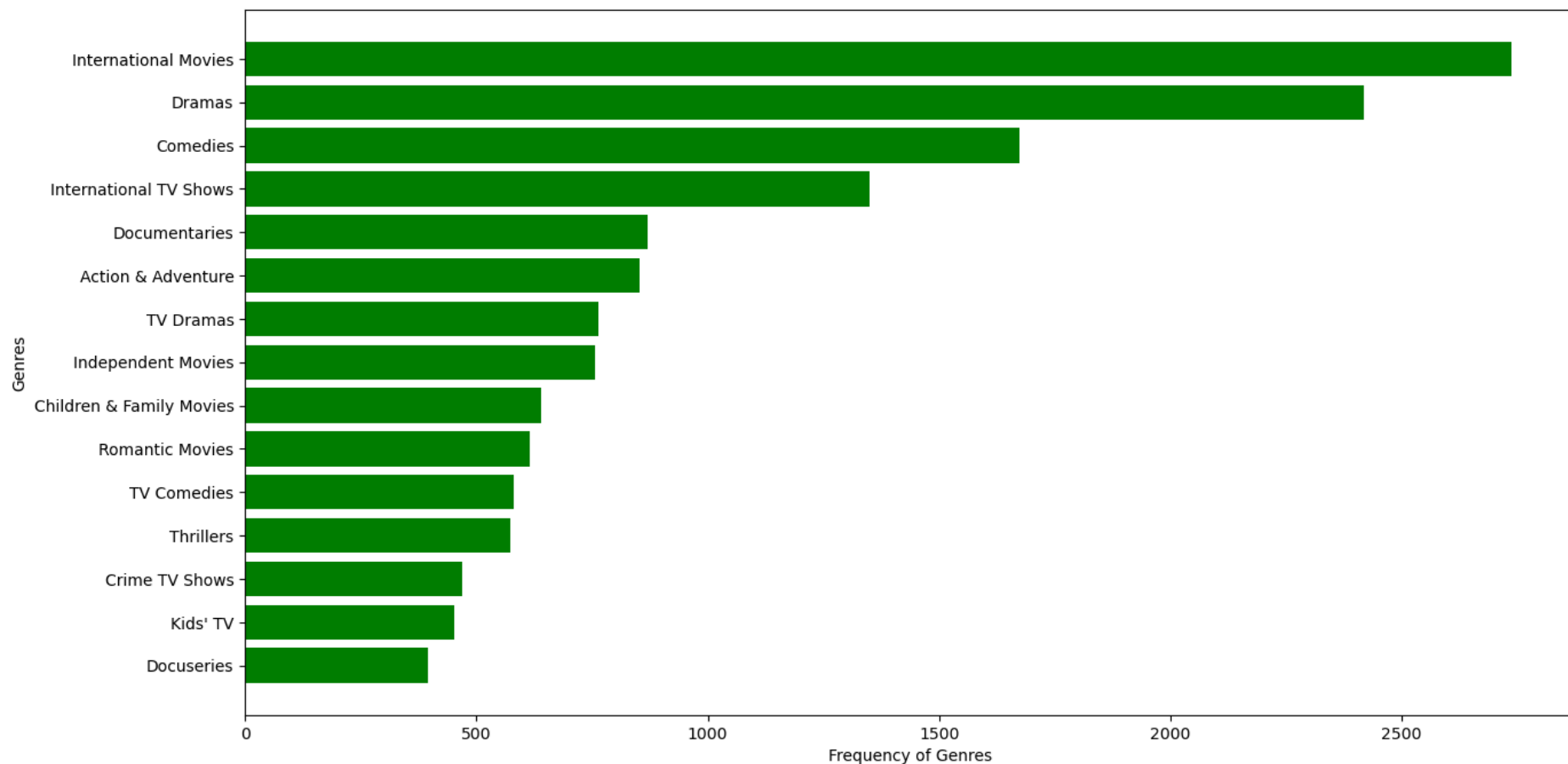
#number of distinct titles on the basis of genre
 df_final1.groupby(['genre']).agg({"title": "nunique"})



genre	title
Action & Adventure	854
Anime Features	71
Anime Series	176
British TV Shows	253
Children & Family Movies	639
Classic & Cult TV	28
Classic Movies	116
Comedies	1673
Crime TV Shows	470
Cult Movies	71
Documentaries	869
Docuseries	395
Dramas	2418
Faith & Spirituality	65
Horror Movies	353
Independent Movies	756
International Movies	2738
International TV Shows	1351
Kids' TV	451
Korean TV Shows	151
LGBTQ Movies	102
Movies	57
Music & Musicals	372
Reality TV	255
Romantic Movies	615
Romantic TV Shows	370
Sci-Fi & Fantasy	243
Science & Nature TV	92
Spanish-Language TV Shows	174
Sports Movies	219
Stand-Up Comedy	343
Stand-Up Comedy & Talk Shows	56

TV Action & Adventure	168
TV Comedies	581
TV Dramas	763
TV Horror	75
TV Mysteries	98
TV Sci-Fi & Fantasy	84
TV Shows	16
TV Thrillers	57
Teen TV Shows	69
Thrillers	573

```
df_genre=df_final1.groupby(['genre']).agg({"title":"nunique").reset_index().sort_values(by=['title'],ascending=False)[:15]
plt.figure(figsize=(15,8))
plt.barh(df_genre[:-1]['genre'], df_genre[:-1]['title'],color=['green'])
plt.xlabel('Frequency of Genres')
plt.ylabel('Genres')
plt.show()
```



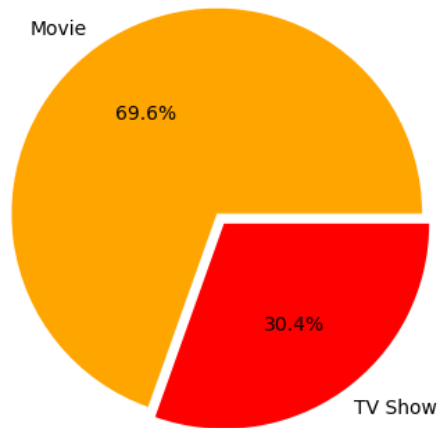
▼ International Movies, Dramas and Comedies are the most popular .

#number of distinct titles on the basis of type
`df_final1.groupby(['type']).agg({"title": "nunique"})`



title	
type	
Movie	6115
TV Show	2676

```
df_type=df_final1.groupby(['type']).agg({"title": "nunique").reset_index()
plt.pie(df_type['title'],explode=(0.03,0.03), labels=df_type['type'],colors=['orange','red'],autopct='%1.1f%%')
plt.show()
```



✓ We have 70:30 ratio of Movies and TV Shows in our data

```
pd.set_option('display.max_rows',None)
```

```
#number of distinct titles on the basis of country  
df_final1.groupby(['country']).agg({"title":"nunique"})
```




country	title
	2
Afghanistan	1
Albania	1
Algeria	3
Angola	1
Argentina	91
Armenia	1
Australia	160
Austria	12
Azerbaijan	1
Bahamas	1
Bangladesh	4
Belarus	1
Belgium	90
Bermuda	1
Botswana	1
Brazil	97
Bulgaria	10
Burkina Faso	1
Cambodia	5
Cambodia,	1
Cameroon	1
Canada	445
Cayman Islands	2
Chile	29
China	162
Colombia	52
Croatia	4
Cuba	1
Cyprus	1
Czech Republic	22
Denmark	48

Dominican Republic	1
East Germany	1
Ecuador	1
Egypt	117
Ethiopia	1
Finland	11
France	393
Georgia	2
Germany	226
Ghana	5
Greece	11
Guatemala	2
Hong Kong	105
Hungary	11
Iceland	11
India	1046
Indonesia	90
Iran	4
Iraq	2
Ireland	46
Israel	30
Italy	100
Jamaica	1
Japan	318
Jordan	9
Kazakhstan	1
Kenya	6
Kuwait	8
Latvia	1
Lebanon	31
Liechtenstein	1
Lithuania	1
Luxembourg	12
Malawi	1

Malaysia	26
Malta	3
Mauritius	2
Mexico	169
Mongolia	1
Montenegro	1
Morocco	6
Mozambique	1
Namibia	2
Nepal	2
Netherlands	50
New Zealand	33
Nicaragua	1
Nigeria	103
Norway	30
Pakistan	24
Palestine	1
Panama	1
Paraguay	1
Peru	10
Philippines	83
Poland	40
Poland,	1
Portugal	6
Puerto Rico	1
Qatar	10
Romania	14
Russia	27
Samoa	1
Saudi Arabia	13
Senegal	3
Serbia	7
Singapore	41
Slovakia	1

Slovenia	3
Somalia	1
South Africa	62
South Korea	231
Soviet Union	3
Spain	232
Sri Lanka	1
Sudan	1
Sweden	42
Switzerland	19
Syria	3
Taiwan	89
Thailand	70
Turkey	113
Uganda	1
Ukraine	3
United Arab Emirates	37
United Kingdom	804
United Kingdom,	2
United States	3689
United States,	1
Uruguay	14
Vatican City	1
Venezuela	4
Vietnam	7
West Germany	5
Zimbabwe	3
nan	821

The above dataframe shows a flaw in which we are seeing countries, such as Cambodia and Cambodia, or United States and United States, are shown as different countries. They should have been same

```
df_final1['country'] = df_final1['country'].str.replace(',', '')
df_final1.head()
```

	title	director	cast	country	genre	show_id	type	date_added	release_year	rating	duration	Modified_Added_date	month_added	week_Added	year
0	Dick Johnson Is Dead	Kirsten Johnson	unkown_cast	United States	Documentaries	s1	Movie	September 25, 2021	2020	PG-13	80-100	2021-09-25	9	38	2021
1	Blood & Water	unkown_director	Ama Qamata	South Africa	International TV Shows	s2	TV Show	September 24, 2021	2021	TV-MA	2 Seasons	2021-09-24	9	38	2021
2	Blood & Water	unkown_director	Ama Qamata	South Africa	TV Dramas	s2	TV Show	September 24, 2021	2021	TV-MA	2 Seasons	2021-09-24	9	38	2021
3	Blood & Water	unkown_director	Ama Qamata	South Africa	TV Mysteries	s2	TV Show	September 24, 2021	2021	TV-MA	2 Seasons	2021-09-24	9	38	2021
4	Blood & Water	unkown_director	Khosi Ngema	South Africa	International TV Shows	s2	TV Show	September 24, 2021	2021	TV-MA	2 Seasons	2021-09-24	9	38	2021

```
#number of distinct titles on the basis of country
df_final1.groupby(['country']).agg({"title": "nunique"})
```



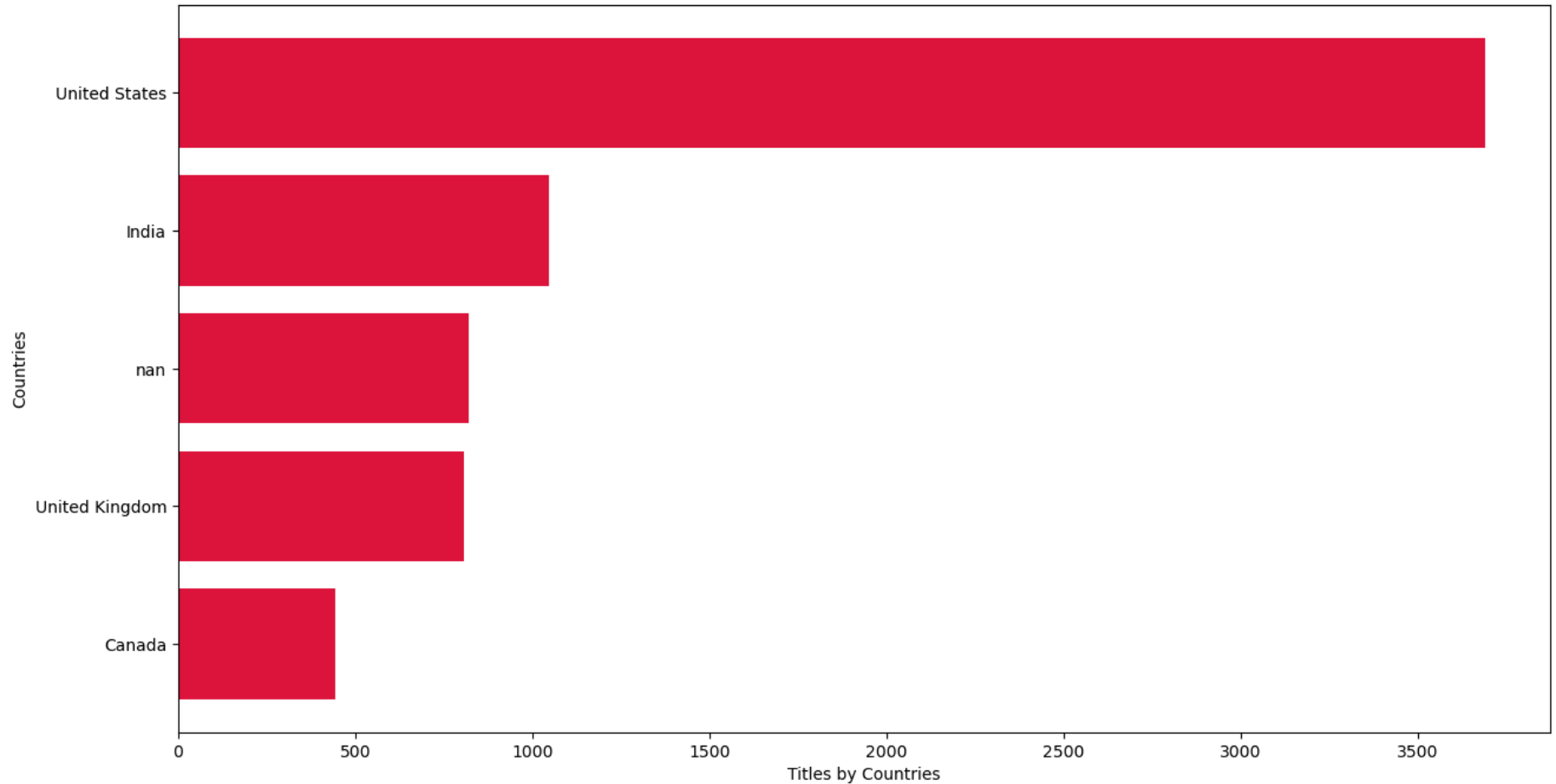
title	
country	
	2
Afghanistan	1
Albania	1
Algeria	3
Angola	1
Argentina	91
Armenia	1
Australia	160
Austria	12
Azerbaijan	1
Bahamas	1
Bangladesh	4
Belarus	1
Belgium	90
Bermuda	1
Botswana	1
Brazil	97
Bulgaria	10
Burkina Faso	1
Cambodia	6
Cameroon	1
Canada	445
Cayman Islands	2
Chile	29
China	162
Colombia	52
Croatia	4
Cuba	1
Cyprus	1
Czech Republic	22
Denmark	48
Dominican Republic	1

East Germany	1
Ecuador	1
Egypt	117
Ethiopia	1
Finland	11
France	393
Georgia	2
Germany	226
Ghana	5
Greece	11
Guatemala	2
Hong Kong	105
Hungary	11
Iceland	11
India	1046
Indonesia	90
Iran	4
Iraq	2
Ireland	46
Israel	30
Italy	100
Jamaica	1
Japan	318
Jordan	9
Kazakhstan	1
Kenya	6
Kuwait	8
Latvia	1
Lebanon	31
Liechtenstein	1
Lithuania	1
Luxembourg	12
Malawi	1
Malaysia	26

Malta	3
Mauritius	2
Mexico	169
Mongolia	1
Montenegro	1
Morocco	6
Mozambique	1
Namibia	2
Nepal	2
Netherlands	50
New Zealand	33
Nicaragua	1
Nigeria	103
Norway	30
Pakistan	24
Palestine	1
Panama	1
Paraguay	1
Peru	10
Philippines	83
Poland	41
Portugal	6
Puerto Rico	1
Qatar	10
Romania	14
Russia	27
Samoa	1
Saudi Arabia	13
Senegal	3
Serbia	7
Singapore	41
Slovakia	1
Slovenia	3
Somalia	1

South Africa	62
South Korea	231
Soviet Union	3
Spain	232
Sri Lanka	1
Sudan	1
Sweden	42
Switzerland	19
Syria	3
Taiwan	89
Thailand	70
Turkey	113
Uganda	1
Ukraine	3
United Arab Emirates	37
United Kingdom	806
United States	3690
Uruguay	14
Vatican City	1
Venezuela	4
Vietnam	7
West Germany	5
Zimbabwe	3
nan	821

```
df_country=df_final1.groupby(['country']).agg({"title":"nunique")).reset_index().sort_values(by=['title'],ascending=False)[:5]
plt.figure(figsize=(15,8))
plt.barh(df_country[:,-1]['country'], df_country[:,-1]['title'],color=['crimson'])
plt.xlabel('Titles by Countries')
plt.ylabel('Countries')
plt.show()
```



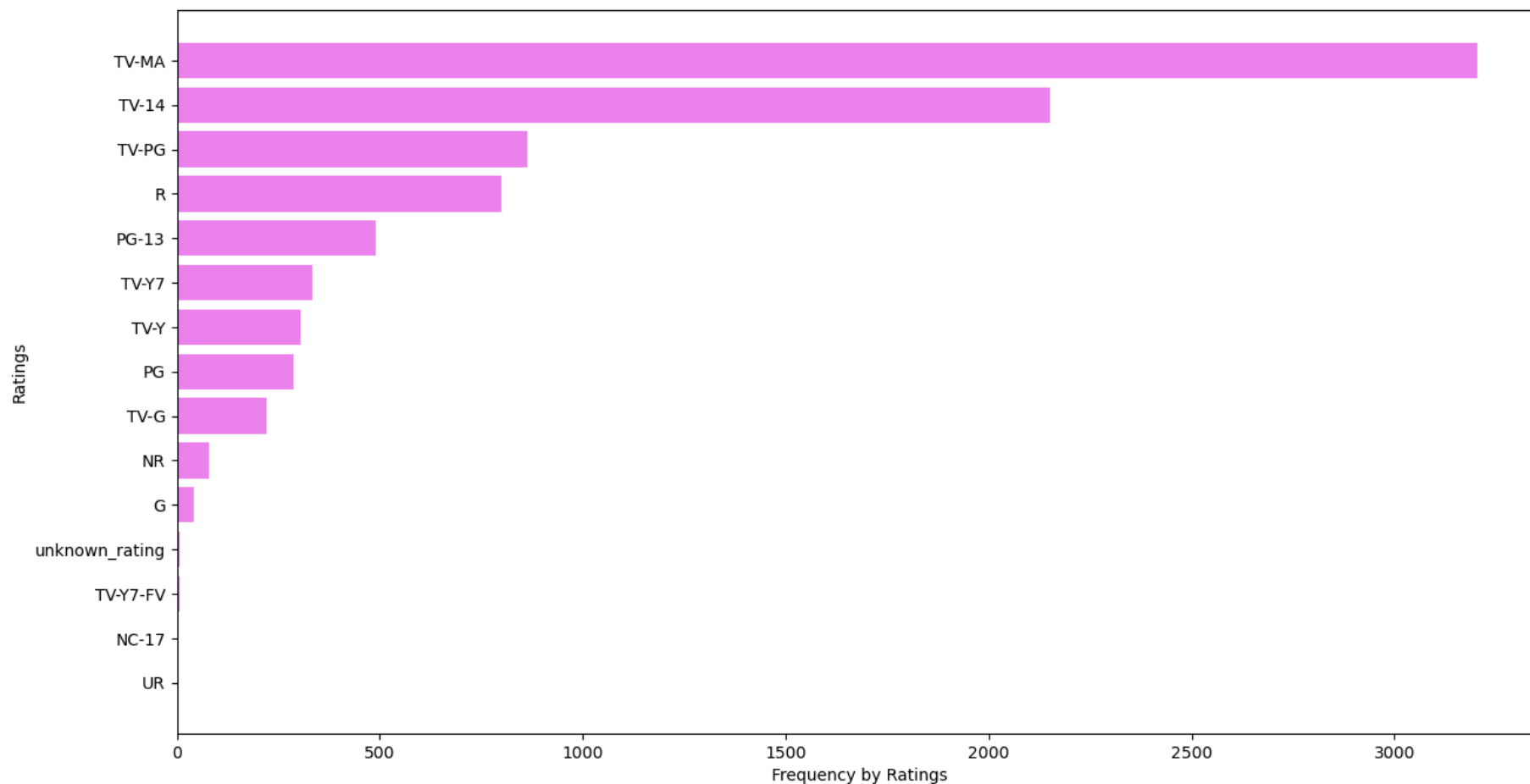
US,India,UK,Canada and France are leading countries in Content Creation on Netflix

```
#number of distinct titles on the basis of rating
df_final1.groupby(['rating']).agg({"title":"nunique"})
```



	title
rating	
G	41
NC-17	3
NR	80
PG	287
PG-13	490
R	799
TV-14	2151
TV-G	220
TV-MA	3204
TV-PG	863
TV-Y	305
TV-Y7	334
TV-Y7-FV	6
UR	3
unknown_rating	7

```
df_rating=df_final1.groupby(['rating']).agg({"title":"nunique"}).reset_index().sort_values(by=['title'],ascending=False)[:15]
plt.figure(figsize=(15,8))
plt.barh(df_rating[0:-1]['rating'], df_rating[0:-1]['title'],color=['violet'])
plt.xlabel('Frequency by Ratings')
plt.ylabel('Ratings')
plt.show()
```



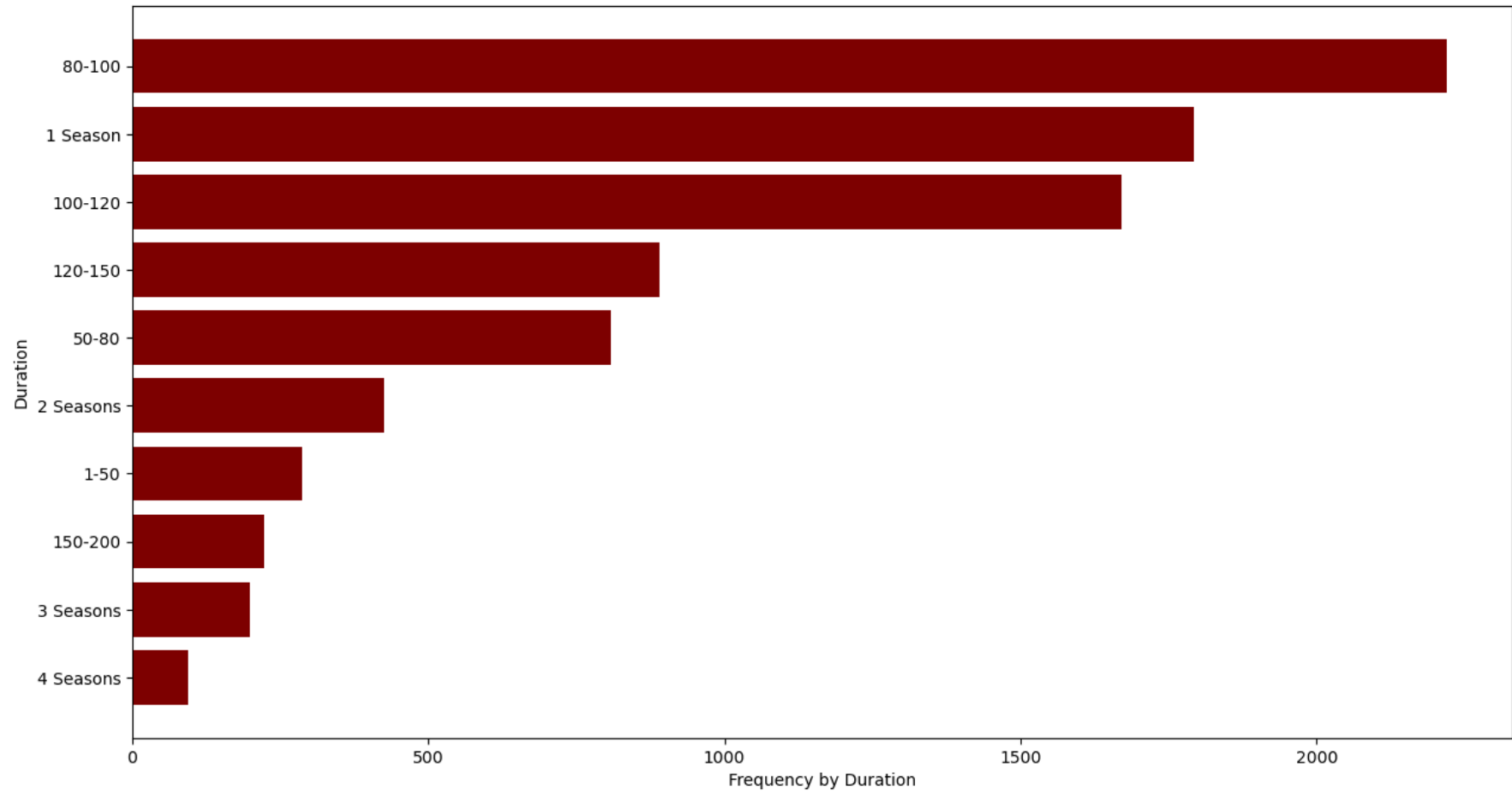
Most of the highly rated content on Netflix is intended for Mature Audiences, R Rated, content not intended for audience under 14 and those which require Parental Guidance

```
#number of distinct titles on the basis of duration
df_final1.groupby(['duration']).agg({"title": "nunique"})
```



	title
duration	
1 Season	1793
1-50	287
10 Seasons	7
100-120	1671
11 Seasons	2
12 Seasons	2
120-150	891
13 Seasons	3
15 Seasons	2
150-200	222
17 Seasons	1
2 Seasons	425
200-315	19
3 Seasons	199
4 Seasons	95
5 Seasons	65
50-80	808
6 Seasons	33
7 Seasons	23
8 Seasons	17
80-100	2220
9 Seasons	9

```
df_duration=df_final1.groupby(['duration']).agg({"title":"nunique"}).reset_index().sort_values(by=['title'],ascending=False)[:10]
plt.figure(figsize=(15,8))
plt.barh(df_duration[:::-1]['duration'], df_duration[:::-1]['title'],color=['maroon'])
plt.xlabel('Frequency by Duration')
plt.ylabel('Duration')
plt.show()
```



df_duration



	duration	title
20	80-100	2220
0	1 Season	1793
3	100-120	1671
6	120-150	891
16	50-80	808
11	2 Seasons	425
1	1-50	287
9	150-200	222
13	3 Seasons	199
14	4 Seasons	95

The duration of Most Watched content in our whole data is 80-100 mins. These must be movies and Shows having only 1 Season.

```
#number of distinct titles on the basis of Actors  
df_final1.groupby(['cast']).agg({"title": "nunique"})
```



	title
cast	
Jr.	2
"Riley" Lakdhar Dridi	1
'Najite Dede	2
2 Chainz	1
2Mex	1
4Minute	1
50 Cent	5
9m88	1
A Boogie Wit tha Hoodie	1
A. Murat Özgen	1
A.C. Peterson	1
A.D. Miles	3
A.J. Cook	2
A.J. Johnson	1
A.J. LoCascio	3
A.K. Hangal	4
A.R. Rahman	1
A.S. Sasi Kumar	1
AC Lim	1
AFRA	1
AJ Bowen	1
AJ Michalka	1
AJ Rivera	1
ARAH	2
Aabhas Yadav	1
Aachal Munjal	1
Aadarsh Balakrishna	2
Aadhi	1
Aadhya Anand	1
Aadil Khan	1
Aaditi Pohankar	2
Aaditya Pratap Singh	1

Aadukalam Naren	1
Aadya Bedi	1
Aahana Kumra	2
Aakarshan Singh	1
Aakash Dabhade	4
Aakash Dahiya	1
Aakash Pandey	1
Aakshath Das	1
Aamina Sheikh	1
Aamir Ahmed	1
Aamir Bashir	5
Aamir Khan	16
Aamir Qureshi	1
Aanand Kale	1
Aanchal Munjal	1
Aarav Khanna	1
Aarif Rahman	1
Aarjav Trivedi	1
Aarna Sharma	1
Aarohi Patel	1
Aaron Abrams	4
Aaron Altaras	1
Aaron Ashmore	1
Aaron Blakely	1
Aaron Burns	2
Aaron Carpenter	1
Aaron Chen	1
Aaron Chow	1
Aaron D. Spears	1
Aaron Dismuke	1
Aaron Douglas	3
Aaron Eckhart	7
Aaron Eisenberg	1
Aaron Farb	1

Aaron Glenane	1
Aaron Guy	1
Aaron Hale	1
Aaron Hernandez	1
Aaron Hilmer	1
Aaron Himelstein	2
Aaron Jakubenko	3
Aaron Jeffery	3
Aaron Keogh	1
Aaron Kwok	1
Aaron L. McGrath	2
Aaron Marsden	2
Aaron Marshall	1
Aaron McCusker	2
Aaron Merke	1
Aaron Michael Drozin	1
Aaron Moorhead	1
Aaron Moten	1
Aaron Munoz	1
Aaron Paul	8
Aaron Pearl	1
Aaron Pedersen	1
Aaron Pruner	1
Aaron Stanford	2
Aaron Staton	1
Aaron Taylor-Johnson	4
Aaron Tveit	1
Aaron Washington	1
Aaron Wolff	1
Aaron Yan	4
Aaron Yoo	3
Aarti Chhabria	1
Aarti Mann	1
Aarti Patel	1

Aarubala	1
Aarushi Sharma	1
Aarya Dave	1
Aarya DharmChand Kumar	1
Aaryan Menon	1
Aaryansh Malviya	1
Aarón Díaz	1
Aasha Pawar	1
Aashay Kulkarni	1
Aashi Rawal	1
Aashif Sheikh	1
Aashish Chaudhary	3
Aashish Kulkarni	1
Aasif Mandvi	6
Aayam Mehta	2
Aayan Boradia	1
Abayomi Alvin	1
Abba Ali Zaky	1
Abbas	1
Abbey Lee	1
Abbi Jacobson	3
Abbie Cornish	4
Abboudy Mallah	1
Abby Bergman	1
Abby Donnelly	3
Abby Miller	1
Abby Quinn	1
Abby Rakic-Platt	1
Abby Ryder Fortson	1
Abby Trott	6
Abdalah Mishrif	4
Abdalla Mahmoud	2
Abdel Aziz El Mountassir	1
Abdel Aziz Khalil	1

Abdel Ghani Benizza	1
Abdel Ghani Nagdi	1
Abdel Imam Abdullah	2
Abdel Moneim Amayri	1
Abdel Moneim Madbouly	1
Abdel Nasser Maraqbi	1
Abdel-Wareth Asar	1
Abdelaziz N'Mila	3
Abdelghani Kitab	1
Abdelghany Kamar	1
Abdelilah Wahbi	4
Abdellah Bensaid	1
Abdellah Didane	1
Abdi Sidow Farah	1
Abdillah Assoumani	1
Abdo Chahine	1
Abdramane Diakit�	1
Abdul Khoza	1
Abdul Mohsen Alnimer	1
Abdul Qadir	1
Abdulateif Saud	1
Abdulaziz Al-mesallam	1
Abdulaziz Almuzaini	1
Abdulaziz Alshehri	2
Abdulaziz El Nassar	1
Abdulhussain Abdulredah	2
Abdulla Al-khudr	1
Abdulla Bu Shehri	1
Abdullah Al Hamiri	2
Abdullah Al Yousef	1
Abdullah Al-Ramsi	2
Abdullah Al-Turkumani	2
Abdullah Al-bloshi	2
Abdullah Bahman	1

Abdullah Bin Heider	1
Abdullah Ibrahim	1
Abdullah Jan	1
Abdullah Moshref	1
Abdullrahman Al Gohani	1
Abdulmajeed Al-Ruhaidi	1
Abdulmohsen Al-Qaffas	2
Abdulmohsen Alnemr	1
Abdul' Usman Zada	1
Abdur Arsyad	1
Abdur Rehman	1
Abdurrahman Arif	4
Abe Clifford-Barr	1
Abe Goldfarb	1
Abe Vigoda	1
Abeer Abrar	1
Abeer Ahmad	1
Abeer Alotaibi	1
Abeer Mansour	1
Abeer Mohammed	1
Abel Ayala	2
Abel Ferrara	1
Abel Folk	2
Abel Franco	1
Abel McSurely Bradshaw	1
Abel Tesfaye	1
Abella Bala	1
Abella Wyss	1
Abena Ayivor	1
Abhay Deol	11
Abhay Kulkarni	1
Abhay Mahajan	3
Abhicha Thanachanun	1
Abhijit Kelkar	1

Abhijit Sinha	1
Abhimanyu Dassani	1
Abhimanyu Singh	5
Abhinav Gomatam	1
Abhinav Sharma	1
Abhinav Shukla	1
Abhishek Bachchan	13
Abhishek Banerjee	5
Abhishek D Shah	1
Abhishek Duhan	1
Abhishek H.N.	1
Abhishek Kale	1
Abhishek Krishnan	1
Abhishek Rawat	1
Abhishek Saha	1
Abi Brittle	1
Abi Tucker	1
Abigail Adriano	1
Abigail Breslin	6
Abigail Cowen	3
Abigail Cruttenden	1
Abigail Jain	1
Abigail Oliver	1
Abigail Pniowsky	1
Abigail Spencer	3
Abigail Vibat	1
Abimana Aryasatya	1
Abir Chatterjee	2
Abir Goswami	1
Abishek K.S.	1
Aboudou Sacko	1
Abraham Attah	1
Abraham Benrubi	1
Abraham Lim	1

Abraham Rodriguez	1
Abril Michel	1
Abril Schreiber	1
Abril Zamora	2
Abstract Rude	1
Abu Valayamkulam	1
Abubakar Maina	1
Abubakar Salum	1
Abuli Mamaji	1
Abun Sungkar	1
Ace Bhatti	1
Ace Harney	1
Acha Septriasa	3
Achala Sachdev	1
Achint Kaur	1
Achintya Bose	1
Achita Pramoj Na Ayudhya	1
Achita Sikamana	1
Achyut Potdar	1
Achyuth Kumar	1
Aci Resti	1
Acushla-Tara Kupe	1
Ada Ameh	2
Ada Carrasco	1
Ada Choi	1
Ada Nicodemou	1
Ada Ofoegbu	1
Ada Pan	3
Adaar Malik	1
Adah Sharma	3
Adain Bradley	1
Adair Curtis	1
Adalgisa Manfrida	1
Adam Andrianopolous	1

Adam Arkin	2
Adam Baldwin	1
Adam Barrett	1
Adam Bartley	2
Adam Beach	3
Adam Bessa	1
Adam Bobik	1
Adam Boyer	1
Adam Brody	4
Adam Busch	1
Adam Butcher	1
Adam Campbell	1
Adam Chan	1
Adam Chernick	1
Adam Collins	1
Adam Conover	2
Adam Cooper	1
Adam Copeland	1
Adam Crew	1
Adam Croasdell	1
Adam David Thompson	3
Adam DeVine	2
Adam Deacon	1
Adam Demos	2
Adam Devine	2
Adam DiMarco	3
Adam Driver	5
Adam Eskilden	1
Adam Faraizl	1
Adam Ferrara	1
Adam Garba	1
Adam Garcia	1
Adam Gardiner	1
Adam Gazzola	1
Adam Gibhe	1

Adam Cross	1
Adam Godley	4
Adam Goldberg	1
Adam Gradowski	1
Adam Graf Turczyk	1
Adam Greaves-Neal	1
Adam Greydon Reid	2
Adam Gussow	1
Adam Herschman	1
Adam Hicks	1
Adam Hochstetter	2
Adam Horovitz	1
Adam Hurtig	2
Adam Jagwani	2
Adam James	1
Adam Jezierski	1
Adam Lambert	2
Adam Lazarre-White	1
Adam LeFevre	2
Adam Levine	2
Adam Levy	4
Adam Long	1
Adam Longworth	1
Adam Lustick	1
Adam Mayfield	1
Adam Morjany	1
Adam Moussamih	1
Adam Nagaitis	1
Adam Nawojczyk	1
Adam Nee	1
Adam Neill	1
Adam Nourou	1
Adam Pak	1
Adam Pally	9
Adam Pascal	1

Adam Powell	1
Adam Pålsson	1
Adam Rayner	2
Adam Rose	3
Adam Rothenberg	2
Adam Sandler	20
Adam Scott	12
Adam Scott Miller	1
Adam Shapiro	3
Adam Silver	1
Adam Storke	1
Adam T. Perkins	1
Adam Taylor	1
Adam Tomei	1
Adam Tsekhman	1
Adam Tuominen	4
Adam West	1
Adam Wietrzyński	1
Adam Wilson	1
Adam Woronowicz	1
Adam Wylie	1
Adama Niane	3
Adamo Dionisi	1
Adan Canto	3
Adan Martín Rocha	1
Adan Otero	1
Adario Strange	1
Adarsh	1
Adarsh Gourav	3
Adarsh Kurne	1
Addison Holley	1
Addison Rae	1
Addison Riecke	2
Addison Timlin	4

Additi Gupta	1
Ade Adepitan	1
Ade Laoye	2
Ade Otukoya	1
Adea Lennox	1
Adebayo Salami	2
Adebayo Thomas	1
Adebimpe Akintunde	1
Adebukola	1
Adebukola Oladipupo	2
Adeel Akhtar	3
Adeel Hashmi	1
Adeel Hussain	1
Adel Bencherif	3
Adel Emam	1
Adel Imam	4
Adel Karam	2
Adel Redwan	1
Adelaida Buscato	1
Adelaide Clemens	2
Adelaide Hirasaki	2
Adelaide Kane	3
Adelfa Calvo	3
Adeline Chetail	3
Adeline Flaun	1
Adeline Rudolph	1
Ademola Adedoyin	5
Ademola Amoo	1
Aden Young	2
Adeniyi Johnson	1
Adeolu Adefarasin	1
Adesh Bhardwaj	1
Adesua Etomi	10
Adetokumboh M'Cormack	2

Adetomiwa Edun	1
Adewale Akinnuoye-Agbaje	3
Adhir Kalyan	1
Adhistry Zara	1
Adhitya Alkatiri	1
Adhvik Mahajan	1
Adi Khalefa	1
Adi Kvetner	1
Adi Lev	1
Adib Alkhalidey	1
Adibah Noor	1
Adil Dehbi	2
Adil Hussain	15
Adina Porter	4
Adinath Kothare	2
Adinia Wirasti	3
Adipati Dolken	5
Adisa Anderson	1
Adithya Menon	1
Aditi Arya	1
Aditi Balan	1
Aditi Keskar	1
Aditi Mittal	2
Aditi Rao Hydari	8
Aditi Sharma	1
Aditi Vasudev	1
Aditya Bhattacharya	1
Aditya Hitkari	1
Aditya Jain	1
Aditya Kumar	1
Aditya Lakhia	2
Aditya Modak	1
Aditya Narayan	1
Aditya Pancholi	1

Aditya Raaj	2
Aditya Raj Sharma	1
Aditya Roy Kapoor	3
Aditya Roy Kapur	3
Aditya Seal	1
Aditya Sharma	1
Aditya Srivastava	5
Adjetey Anang	5
Adjis Doaibu	1
Adjoa Andoh	3
Adlu Fahrezy	1
Adnan Dirani	1
Adnan Haskovic	1
Adnan Jaffar	1
Adnan Malik	2
Adnan Shah	4
Adnan Siddiqui	1
Adolfo Fernández	1
Adonijah Owiriwa	1
Adoor Ajayan	1
Adora Dei	1
Adreea Diac	1
Adria Arjona	3
Adrian Alandy	1
Adrian Alonso	1
Adrian Bouchet	1
Adrian Bower	1
Adrian Dunbar	2
Adrian Edmondson	2
Adrian Glynn McMorran	1
Adrian Grenier	3
Adrian Grösser	1
Adrian Hall	1
Adrian Holmes	3

Adrian Hough	2
Adrian Julius Tillmann	1
Adrian Knight Jesly	1
Adrian Ladron	1
Adrian Lester	2
Adrian Lukis	1
Adrian Majewski	1
Adrian Martinez	2
Adrian Moore	1
Adrian Murray	1
Adrian Pang	1
Adrian Pasdar	5
Adrian Petriw	7
Adrian Scarborough	1
Adrian Schiller	1
Adrian Titieni	1
Adriana Altaras	1
Adriana Arango	1
Adriana Barraza	4
Adriana Botina	1
Adriana DeMeo	1
Adriana Llabrés	1
Adriana Ozores	3
Adriana Paz	3
Adriana Silva	1
Adriana Torrebejano	1
Adriana Ugarte	3
Adriane Daff	1
Adriane Lenox	2
Adrianna Biedrzyńska	1
Adrianna Chlebicka	1
Adrianna Di Liello	1
Adrianna Edwards	1
Adrianna So	1

Adrianne Palicki	4
Adriano Garib	2
Adriano Qalbi	1
Adriano Tardiolo	1
Adriano Zendejas	1
Adriano Zumbo	3
Adrien Barazzzone	1
Adrien Brody	6
Adrienne Bailon	1
Adrienne Barbeau	2
Adrienne C. Moore	1
Adrienne Corri	1
Adrienne Iapalucci	1
Adrienne Pickering	2
Adrienne Rose White	1
Adrienne Shaw	1
Adrià Salazar	1
Adrián Carvajal	1
Adrián Ladrón	1
Adrián Lastra	6
Adrián Núñez	1
Adrián Pino	1
Adrián Salzedo	1
Adrián Stoppelman	1
Adrián Suar	1
Adrián Uribe	1
Adrián Yospe	1
Adul Charoenrasameekiat	1
Adunni Ade	4
Advah Soudack	1
Adwa Fahad	1
Ady An	2
Ady Putra	1
Ady Sky	1

Adám Fekete	1
Adèle Exarchopoulos	3
Adèle Haenel	1
Adèle Wismes	1
Ae Sasikarn Aphichartworasilp	1
Ae-yeon Jeong	1
Aenie Wong	4
Aenne Schwarz	1
Aeril Zafrel	1
Afaf Rashad	1
Afalean Lu	1
Afdhal Yusman	1
Afdlin Shauki	1
Afeez Oyetoro	1
Afemo Omilami	1
Affif Ben Badra	2
Affion Crockett	5
Afi Ekulona	1
Afi Okaidja	1
Afiez Syazwan	1
Afonso Padilha	2
Afra Saraçoğlu	1
Aftab Khan	1
Aftab Shivdasani	5
Aga Muhlach	3
Agam Darshi	1
Agata Kulesza	3
Agathe Bonitzer	1
Aggeliki Papoulia	1
Aggy K. Adams	1
Agha	2
Aghniny Haque	1
Agnello Dias	1
Agnes Kittelsen	1

Agnes Moorehead	1
Agnes Wang	1
Agnese Graziani	1
Agni Scott	1
Agnieszka Dygant	1
Agnieszka Grochowska	1
Agnieszka Żulewska	2
Agniya Kuznetsova	1
Agnès Llobet	1
Agot Isidro	1
Agus Kuncoro Adi	1
Agustina Cabo	1
Agustina Mindlin	1
Agustina Palma	1
Agustín Aristarán	2
Agustín Bernal	1
Agustín Jiménez	1
Agustín Silva	2
Agyness Deyn	2
Ah-in Yoo	1
Ah-sung Ko	1
Ahaji Issa Bello	1
Ahan Nirban	1
Ahd	4
Ahlaam Muhammed	1
Ahlam Al-Gritly	1
Ahmad Abu Sal'oum	1
Ahmad Alhamsho	1
Ahmad Aljasmii	1
Ahmad El Ghanem	1
Ahmad Faloks	1
Ahmad Iswazir	1
Ahmad Khamis Ali	1
Ahmad Mazhar	1

Ahmad Mehrez	1
Ahmad Mounir	1
Ahmad Rizq	1
Ahmad Thaher	1
Ahmad Wafiq	5
Ahmad Zaki	1
Ahmed Abdelhafiz	1
Ahmed Adel	1
Ahmed Al Zein	1
Ahmed Ali Khan	1
Ahmed Amin	1
Ahmed Awni	1
Ahmed Azmy	2
Ahmed Bedir	3
Ahmed Benaissa	1
Ahmed Boulane	1
Ahmed Dash	1
Ahmed Dawood	5
Ahmed Eid	3
Ahmed El Fishawy	3
Ahmed El Hozeem	1
Ahmed El Mohammdi	1
Ahmed El Sakka	1
Ahmed El Sobky	1
Ahmed Ezz	1
Ahmed Fahmi	2
Ahmed Fathy	7
Ahmed Fouad Selim	5
Ahmed Gamal Saeed	1
Ahmed Hassan	1
Ahmed Hatem	1
Ahmed Helmy	13
Ahmed Kamal	2
Ahmed Khan	1
Ahmed

Ahmed Maiek	2
Ahmed Mekky	2
Ahmed Ramah	1
Ahmed Ramzy	1
Ahmed Rateb	7
Ahmed Rizk	1
Ahmed Saddam	1
Ahmed Saeed Abdel-Ghany	1
Ahmed Safwat	3
Ahmed Saif	1
Ahmed Salah Al-Saadany	2
Ahmed Salah Hosny	1
Ahmed Saleh	1
Ahmed Seyam	1
Ahmed Sultan	1
Ahmed Sylla	2
Ahmed Yarziz	1
Ahmed Yerima	1
Ahmed Zaher	2
Ahmed Zaki	2
Ahmed el-Sakka	1
Ahmet Gülhan	1
Ahmet Kural	2
Ahmet Mümtaz Taylan	4
Ahmet Olgun Sünear	1
Ahmet Pinar	1
Ahmet Saraçoğlu	1
Ahmet Talay	1
Ahmet Tansu Taşanlar	1
Ahmet Uz	1
Ahn Bo-hyun	2
Ahn Eun-jin	1
Ahn Hyo-min	2
Ahn Hyo-seop	1
Ahn Jo-hong	1

Ahn Jae-hyeon	1
Ahn Jae-hyeon	1
Ahn Jae-wook	1
Ahn Jang-hyuk	1
Ahn Kil-kang	1
Ahn Nae-sang	3
Ahn Se-ha	1
Ahn Seok-hwan	1
Ahn Sung-kee	1
Ahn Tae-hwan	1
Ahna Capri	1
Ahna O'Reilly	4
Ahney Her	1
Ahron Villena	2
Ahsaas Channa	2
Ahsan Khan	1
Ahu Türkpençe	1
Ai Kakuma	2
Ai Kayano	19
Ai Maeda	1
Ai Nonaka	5
Ai Satou	1
Ai Tominaga	1
Ai Weiwei	1
Ai Yoshikawa	1
Ai-Ai de las Alas	3
Aia Kruse	1
Aida	1
Aida Cabiyeve	1
Aida Elkashef	1
Aida López	1
Aida Nurmala	2
Aida Reyad	2
Aida Rodríguez	1
Aida Sahra	3

Aida Turturro	2
Aidan Cook	3
Aidan Dee	1
Aidan Gallagher	1
Aidan Gillen	4
Aidan Langford	1
Aidan Quinn	5
Aidan Shipley	1
Aidan Wojtak-Hissong	1
Aiden Akpan	1
Aiden Hung	1
Aiden Lovekamp	1
Aiden Moodie	1
Aidy Bryant	2
Aiemzy	1
Aiko Melendez	2
Aileen Mythen	1
Aileen Tan	2
Ailen Sit	1
Ailsa Marshall	1
Aimee Carrero	2
Aimee Garcia	2
Aimee Saras	1
Aimee Teegarden	3
Aimee-Ffion Edwards	2
Aimée Sayah	1
Aina Clotet	2
Aino Jawo	1
Ainsley Harriott	1
Ainy Jaffri	1
Aisha Al Suwaidi	2
Aisha Tyler	2
Aishan Jawaaid Malik	1
Aishwarya	2

Aishwarya Ghaydar	1
Aishwarya Lekshmi	1
Aishwarya Rai Bachchan	9
Aishwarya Rajesh	3
Aisling Bea	2
Aisling Loftus	1
Aislinn Derbez	7
Aissa Maiga	1
Aissatou Diop	1
Ait Youssef Youssef	4
Aitana Sánchez-Gijón	4
Aitor Luna	2
Aitor Urtzelai	1
Aixa Villagrán	1
Aja Evans	1
Aja Naomi King	2
Ajab Gul	1
Ajanae Stephenson	1
Ajay Devgn	21
Ajay Friese	1
Ajay Ghosh	1
Ajay Mehta	1
Ajay Mishra	1
Ajay Nagrath	1
Ajay Naidu	3
Ajay Raj	2
Ajay Ratnam	1
Ajay Shankar	1
Ajay Singhal	1
Ajayi Akorede	1
Ajeba Aldosary	1
Ajinkya Bhosale	1
Ajinkya Deo	1
Ajiona Alexis	1

Ajit	1
Ajit Vachani	1
Ajoke Silva	1
Ajuawak Kapashesit	1
Ak Akarat	2
Akaash Singh	1
Akah Nnani	2
Akalyadevi B.	1
Akanksha Puri	1
Akanksha Thakur	1
Akansha Ranjan Kapoor	2
Akara Amarttayakul	1
Akarat Nimitchai	2
Akari Kito	4
Akarin Akaranitimaytharatt	2
Akarsh Khurana	2
Akash Gopal	1
Akash Khurana	4
Akash Thosar	2
Akashdeep Sabir	1
Akbar Khan	1
Akemi Kanda	1
Akemi Okamura	1
Akeno Watanabe	3
Akhilendra Mishra	7
Akhilesh Kumar	1
Akhmad Zulhoir Mardiah	1
Aki Avni	1
Aki Hano	1
Aki Kanada	1
Aki Toyosaki	8
Aki Yashiro	1
Akihiro Blanco	1
Akihisa Shiono	1

Akiko Iwase	1
Akim Mogaji	1
Akin Lewis	5
Akin Omotoso	1
Akina Abe	1
Akio Otsuka	9
Akio Suyama	1
Akira	4
Akira Akbar	1
Akira Emoto	1
Akira Ishida	6
Akira Kamiya	1
Akira Madden	1
Akira Nakao	1
Akira Sekine	1
Akira Yamamoto	1
Akit Tay	1
Akito Kiriya	1
Akiva Schaffer	2
Akiya Henry	1
Akiyoshi Nakao	2
Akofa Edjeani Asiedu	1
Akon	1
Akosua Busia	1
Akram Hosny	2
Aksel Bonfil	2
Aksel Hennie	3
Aksel Ustun	1
Aksha Pardhasany	1
Akshat Verma	1
Akshay Kumar	30
Akshay Oberoi	7
Akshay Pendse	1
Akshay Sachdev	1

Akshay Tanksale	1
Akshaye Khanna	7
Al Kooper	1
Al Mukadam	1
Al Pacino	8
Al Roker	2
Al Sharpton	1
Al Shearer	2
Al Tantay	6
Al Thompson	2
Al Vicente	1
Al Weaver	1
Al Whiting	1
AlBloushi Mayed	1
AlMulla AbdulRahman	1
Ala Riani	1
Ala' Hanani	1
Alaa Hammoud	1
Alaa Morsy	4
Alaa Seif	2
Alaa Shakir	1
Alaa Zenhom	2
Alaa Zinhom	1
Alain Blazquez	1
Alain Françon	1
Alain Frei	1
Alain Hernández	7
Alain Moussi	3
Alain Prost	1
Alain Saadeh	1
Alain Uy	1
Alaina Huffman	1
Alam Khan	2
Alan Aisenberg	1

Alan Alda	3
Alan Arkin	3
Alan Bates	2
Alan Blumenfeld	1
Alan C. Lim	5
Alan Cumming	10
Alan Dale	4
Alan David Lee	1
Alan Devlin	1
Alan Hopgood	2
Alan Kuo	3
Alan Lee	1
Alan Mandell	1
Alan Marriott	2
Alan McGee	1
Alan Napier	1
Alan Ng	1
Alan Oppenheimer	3
Alan Palmer	1
Alan Powell	2
Alan Rickman	4
Alan Ritchson	2
Alan Rocha	1
Alan Ruck	2
Alan Sabbagh	3
Alan Saldaña	2
Alan Tan	1
Alan Tern	1
Alan Thicke	2
Alan Titchmarsh	1
Alan Trinca	1
Alan Tudyk	4
Alan Van Sprang	1
Alan Wilder	1

Alan Young	1
Alana Haim	1
Alana Husband	1
Alana Tyler-Tomkins	1
Alanah Gilbert	1
Alankrita Sahai	1
Alanna Masterson	2
Alanna Ubach	3
Alannah Ong	2
Alano Miller	1
Alanoud Sajini	1
Alanta Potjes	1
Alastair Forbes	1
Alastair Mackenzie	4
Alba August	1
Alba Baptista	1
Alba Flores	2
Alba Galocha	1
Alba Gaïa Kraghede Bellugi	2
Alba Ribas	2
Alba Rohrwacher	1
Alban Ivanov	3
Alban Lenoir	2
Albano Jerónimo	1
Albee Huang	2
Albert Baró	1
Albert Brooks	3
Albert Evans	1
Albert Halim	1
Albert Hall	1
Albert Hammond Jr.	1
Albert Kong	1
Albert Mora	1
Albert Pujols	1

Albert Pérez	1
Albert Ribalta	1
Albert Rudbeck Lindhardt	1
Alberta Watson	1
Alberto Ajaka	2
Alberto Ammann	3
Alberto Cardeño	2
Alberto Collado	1
Alberto Di Stasio	1
Alberto Escobal	1
Alberto Estrella	1
Alberto Guerra	3
Alberto Jiménez	2
Alberto Jo Lee	1
Alberto López	1
Alberto Mateo	1
Alberto Saavedra	1
Alberto San Juan	1
Alberto Sordi	1
Alberto Velasco	1
Albie Casiño	1
Albin Grenholm	2
Albrecht Schuch	2
Albrecht Weimer	1
Aldan Shaikh	1
Alden Ehrenreich	4
Alden Richards	1
Alden Tab	1
Aldis Hodge	1
Aldo Escalante	3
Aldo Gallardo	1
Aldo Tansani	2
Aldovina Chiziane	1
Aldís Amah Hamilton	1

Alec Baldwin	11
Alec Guinness	1
Alec Mapa	2
Alec Secareanu	1
Alec Wilson	1
Aleck Bovick	1
Alejandra Ambrosi	1
Alejandra Flechner	1
Alejandra García	1
Alejandra Herrera	1
Alejandra Howard	1
Alejandra Onieva	1
Alejandra Procuna	1
Alejandra Reynoso	1
Alejandra Sandoval	1
Alejandra Urdiain	1
Alejandra Yañez	1
Alejandra Yañez Reynoso	1
Alejandro Agresti	1
Alejandro Aguilar	2
Alejandro Awada	2
Alejandro Buitrago	1
Alejandro Calva	3
Alejandro Camacho	1
Alejandro Castiglioni	1
Alejandro Durán	1
Alejandro Flores	1
Alejandro Goic	5
Alejandro Gutiérrez	1
Alejandro Martínez	1
Alejandro Nones	2
Alejandro Oliva	1
Alejandro Otero	1
Alejandro Paker	1

Alejandro Patino	1
Alejandro Peña Arenzana	1
Alejandro Pous	1
Alejandro Puente	1
Alejandro Riaño	1
Alejandro Rodríguez	1
Alejandro Ruiz	1
Alejandro Saab	1
Alejandro Sanz	1
Alejandro Sieveking	1
Alejandro Speitzer	4
Alejandro Suárez	2
Alejandro Trejo	4
Alejandro Urdapilleta	1
Alejandro Vera	1
Alejandro Villeli	1
Alejandro de Hoyos Parera	1
Alejandro Ávila	2
Aleks Paunovic	3
Aleksa Palladino	1
Aleksandar Cvetković	1
Aleksandar Jovanovic	1
Aleksandar Seksan	1
Aleksander Bardini	1
Aleksander Bednarz	1
Aleksandr Baluev	1
Aleksandr Dyachenko	1
Aleksandr Kuznetsov	1
Aleksandr Pikalov	1
Aleksandr Robak	1
Aleksandr Seteykin	1
Aleksandr Ustyugov	1
Aleksandra Grabowska	1
Aleksandra Pisula	1
Aleksandra Bonkowska	2

Aleksandra Guplawa	2
Aleksandra Skraba	1
Aleksei Archer	1
Aleksey Gorbunov	1
Aleksey Guskov	1
Aleksey Serebryakov	1
Aleksey Vesjolkin	1
Aleksey Zorin	1
Alen Liverić	1
Alencier Ley Lopez	3
Alenne Menget	2
Alese Johnson	1
Alesha Hariz	1
Alessandra Denegri	1
Alessandra Mastronardi	1
Alessandra Negrini	2
Alessandra Oriti Niosi	1
Alessandra Rosaldo	1
Alessandra Torresani	1
Alessandra de Rossi	3
Alessandro Averone	1
Alessandro Bisegna	1
Alessandro Borghi	3
Alessandro Cimadamore	1
Alessandro Giallocosta	1
Alessandro Juliani	17
Alessandro Nivola	5
Alessandro Sperduti	1
Alessandro Tedeschi	2
Alessia Cara	1
Alessia Giuliani	1
Alessio Boni	1
Alessio Gallo	1
Alessio Praticò	1
Alessio Scalzotto	2

Analysis and insights

Alessio Valentini

1

Aletheia Burney

1

Alex Abbad

5

Alex Aiono

1

Alex Alembe

1

Alex Arsenault

1

Alex Asogwa

1

Alex Babic

2

Alex Barima

3

Alex Barnett

1

Alex Beaton

1

Alex Biglane

1

Alex Borstein

3

Alex Brendemühl

4

Alex Calleja

1

Alex Calloway

1

Alex Carroll

1

Alex Cazares

4

Alex Cohen

1

Alex Cox

1

Alex Călin

2

Alex D. Linz

1

Alex Datcher

1

Alex Diaz

1

Alex Dimitriades

4

Alex Dobrenko

1

Alex Ekubo

2

Alex Essoe

2

Alex Estevez

1

Alex Etel

1

Alex Feldman

1

Alex Fernández

2

Alex Ferris

1

Alex Fisher

1

Alex Fitzalan	1
Alex Fong	2
Alex Frnka	1
Alex Gonzaga	1
Alex Gonzalez	1
Alex Goode	1
Alex Harries	1
Alex Hassell	1
Alex Haydon	1
Alex Heartman	7
Alex Hibbert	1
Alex House	1
Alex Hurt	1
Alex Jayne Go	1
Alex Jennings	2
Alex Kaluzhsky	1
Alex Karpovsky	2
Alex Kelly	1
Alex Kendrick	1
Alex Kingston	2
Alex Ko	1
Alex Lam	1
Alex Lange	1
Alex Lawther	3
Alex Lifeson	2
Alex Lora	1
Alex Lutz	1
Alex MacNicolI	2
Alex Mallari Jr.	1
Alex Marty	3
Alex McArthur	1
Alex Medina	4
Alex Meraz	1
Alex Moffat	2

Alex Moore	1
Alex Morgan	1
Alex Murphy	1
Alex Neustaedter	5
Alex Norton	1
Alex O'Dogherty	1
Alex Ozerov	2
Alex Papps	1
Alex Pettyfer	3
Alex Price	1
Alex Reid	1
Alex Rennie	1
Alex Rich	1
Alex Roe	1
Alex Russell	2
Alex Saxon	2
Alex Shaffer	1
Alex Sharp	2
Alex Sirvent	1
Alex Sparrow	1
Alex Starke	1
Alex Trebek	2
Alex Usifo	1
Alex Veadov	1
Alex Vincent	2
Alex Wagner	1
Alex Wolff	1
Alex Zahara	6
Alex Zaichkowski	1
Alexa Adeosun	1
Alexa Alemanni	1
Alexa Chung	1
Alexa Davalos	2
Alexa Ilacad	2

Alexa Kahn	2
Alexa Mansour	1
Alexa Martin	1
Alexa Nisenson	1
Alexa Pano	1
Alexa PenaVega	6
Alexa Torrington	1
Alexander Armstrong	1
Alexander Arnold	3
Alexander Bello	1
Alexander Brouwer	1
Alexander Calvert	2
Alexander Chan	1
Alexander Conti	2
Alexander Crowther	1
Alexander Doré	1
Alexander Dreymon	1
Alexander Dyachenko	1
Alexander Eling	1
Alexander Fehling	1
Alexander Gil	1
Alexander Gould	1
Alexander Grant	1
Alexander Hodge	1
Alexander Holtmann	2
Alexander Koch	1
Alexander Lloyd	1
Alexander Ludwig	3
Alexander Martin	1
Alexander Morton	1
Alexander Oblasov	1
Alexander Peleg	1
Alexander Petrov	3
Alexander Scheer	1

Alexander Siddig	6
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Alexander Strobele	1
Alexander Tsekalo	1
Alexander Vlahos	1
Alexander Wraith	1
Alexander Yatsenko	1
Alexander Zwart	1
Alexandra Ayo	1
Alexandra Beaton	1
Alexandra Borbély	1
Alexandra Breckenridge	1
Alexandra Brunning	1
Alexandra Carter	1
Alexandra Daddario	3
Alexandra De La Mora	1
Alexandra Dinu	1
Alexandra Duah	1
Alexandra Harris	1
Alexandra Jiménez	6
Alexandra Kahwaji	1
Alexandra Maria Lara	3
Alexandra Neil	1
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Alexandra Newick	1
Alexandra Peters	1
Alexandra Pfeifer	1
Alexandra Pomales	1
Alexandra Richter	1
Alexandra Roach	1
Alexandra Shipp	2
Alexandra Ursulyak	1
Alexandra Vandernoot	1
Alexandre Cioletti	1

Alexandre Goyette	1
Alexandre Harough	1
Alexandre Rodrigues	1
Alexandre Schreiber	1
Alexandre Willaume	3
Alexandria Deberry	2
Alexandria Lee	1
Alexandria Ocasio-Cortez	1
Alexei Maklakov	1
Alexey Trittenko	1
Alexia Dox	1
Alexia Fast	1
Alexia Garcia	1
Alexia Landeau	1
Alexia Rasmussen	1
Alexia Twister	1
Alexis Ayala	1
Alexis Bledel	2
Alexis Clagett	1
Alexis Cruz	2
Alexis G. Zall	3
Alexis Jones	1
Alexis Loret	1
Alexis Louder	1
Alexis Michalik	1
Alexis Sánchez	1
Alexis Tomassian	2
Alexis Viera	1
Alexis Whelan	1
Alexis de Anda	1
Alexx Ekubo	9
Alexx O'Neil	2
Alexxis Lemire	2
Alexz Johnson	1

Aleyda Gallardo	3
Aleyse Shannon	1
Aleza Shadan	1
Alfoniso Lopez	1
Alfonso Agra	1
Alfonso Bassave	1
Alfonso Cuarón	1
Alfonso Freeman	1
Alfonso Herrera	6
Alfonso Sánchez	2
Alfonso Torregrosa	1
Alfonso Tort	2
Alfre Woodard	9
Alfred Cheung	2
Alfred Enoch	2
Alfred Lutter	1
Alfred Molina	16
Alfred Munyua	1
Alfred Ryder	1
Alfred Thomas II	1
Alfredo Castro	3
Alfredo Cerrone	1
Alfredo Rollo	1
Algee Smith	2
Alhaji Fadika	1
Alhamadi Hamad	1
Ali A	1
Ali Afshar	3
Ali Ahn	2
Ali Al Shehhi	1
Ali Al Tayeb	1
Ali Al-Hamdaan	1
Ali Al-Husseini	1
Ali Al-Jabri	1

Ali Almarzouqi	2
Ali Alsharif	1
Ali Alshehabi	1
Ali Asghar	1
Ali Atay	2
Ali Azmat	1
Ali Azour	1
Ali Badshah	1
Ali Bastian	1
Ali Bee	1
Ali Cook	1
Ali El Aziz	1
Ali El Sherif	1
Ali Erkazan	1
Ali Fazal	5
Ali Fikry	1
Ali Hafiz	1
Ali Haji	1
Ali Hassan	1
Ali Hassanein	1
Ali Hillis	1
Ali Kazmi	2
Ali Labidi	1
Ali Larter	6
Ali Liebert	2
Ali Lohan	1
Ali Maerouf Amer	1
Ali Marhyar	3
Ali Marsh	1
Ali Matar	1
Ali Mawji	1
Ali Milner	1
Ali Mir	1
Ali Nuhu	10

Ali Rabee	1
Ali Rehman Khan	1
Ali Reza	1
Ali Rizvi	1
Ali Sheikh	1
Ali Skovbye	1
Ali Suliman	4
Ali Sunal	1
Ali Sürmeli	1
Ali Tataryn	1
Ali Wong	4
Ali Yoğurtçuoğlu	2
Ali Yörenç	1
Ali Zafar	4
Ali Çelik	2
Ali-Asghar Shahbazi	1
Alia Almannai	1
Alia Bhatt	7
Alia Nemry	1
Alia Shawkat	10
Aliaa Al-Husseini	1
Alibaba Akporobome	3
Alican Yücesoy	4
Alice Belaïdi	2
Alice Bellagamba	1
Alice Bocchi	1
Alice Braga	5
Alice Cooper	1
Alice Dinnean	3
Alice Drummond	2
Alice Dwyer	1
Alice Englert	3
Alice Eve	4
Alice Greczyn	1

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Alice Harding	1
Alice Isaaz	1
Alice Ko	3
Alice Krige	6
Alice Lee	1
Alice Li	1
Alice Lowe	2
Alice Orr-Ewing	1
Alice Pagani	1
Alice Patten	1
Alice Pol	2
Alice Révérend	1
Alice Taglioni	1
Alice Valverde	1
Alice Ziolkoski	1
Alice de Broqueville	1
Alice de Lencquesaing	1
Alicia Ann Edogamhe	1
Alicia Banit	2
Alicia Borrachero	2
Alicia Calaway	1
Alicia Chojnowski	1
Alicia Coppola	2
Alicia Fernández	1
Alicia Gardiner	1
Alicia James	1
Alicia Jaziz	1
Alicia Keys	1
Alicia Leigh Willis	1
Alicia Quiñonez	1
Alicia Rubio	2
Alicia Sandoval	1
Alicia Sanz	2
Alicia Silverstone	5
Alicia Sánchez	2

Alicia Sanchez	2
Alicia Vikander	7
Alicia Witt	1
Alicia von Rittberg	1
Alicyn Packard	3
Alida Baldari Calabria	1
Alie Ward	2
Alien Huang	1
Aliette Opheim	2
Alif Satar	1
Alin Florea	1
Alina Berzunteanu	1
Alina Boz	1
Alina Cheng	1
Alina Chivulescu	1
Alina Foley	1
Alina Kukushkina	1
Alina Lozano	2
Alina Stiegler	1
Aline Borges	1
Aline Küppenheim	1
Aliocha Schneider	1
Alisa Kunkwaeng	1
Alisa Lozovskaya	1
Alisdair Simpson	2
Alisha Bailey	1
Alisha Boe	5
Alisha Khan	1
Alisha Wainwright	2
Alison Akin Clark	1
Alison Becker	1
Alison Bell	1
Alison Brie	11
Alison Chand	1
Alison Doodv	1

Alison Fernandez	1
Alison Lohman	1
Alison MacInnis	1
Alison Mandel	1
Alison Pill	8
Alison Retzlöff	1
Alison Thornton	1
Alison Wandzura	1
Alissa Latow	1
Alisson Santiago	1
Alistair Abell	2
Alistair McGowan	2
Alistair Petrie	2
Aliton Graça	1
Alix Macey	1
Alix Poisson	2
Alix Wilton Regan	1
Aliyar	1
Aliza Vellani	2
Alián Devetac	1
Aljin Abella	1
Alka Amin	2
Alka Badola Kaushal	4
Alka Chawla	1
Alki David	1
Alkoya Brunson	3
Alla Tumanian	1
Allan Corduner	1
Allan Graf	1
Allan Hawco	2
Allan Hyde	1
Allan Kournikova	1
Allan Lima	1
Allan Miller	1

Allan Mustafa	2
Allan Paule	3
Allan Toh	1
Allauddin Khan	1
Allegra Clark	1
Allegra Masters	1
Allen Chen	1
Allen Collins	1
Allen Covert	6
Allen Danziger	1
Allen Dizon	1
Allen Fiuzat	1
Allen Ginsberg	2
Allen Iverson	1
Allen Leech	1
Allen Maldonado	6
Allen Shubhro	1
Allende Blanco	1
Allene Quincy	1
Alli Neumann	1
Alli Willow	1
Allie Bertram	1
Allie Gallerani	1
Allie Grant	1
Allie Ji	1
Allie MacDonald	1
Allison Hossack	2
Allison Janney	8
Allison Lin	2
Allison McAtee	1
Allison Miller	1
Allison Munn	3
Allison Paige	2
Allison Strong	1

Allison Warnyca	1
Allison Williams	1
Allu Arjun	2
Ally Ioannides	2
Ally Sheedy	1
Alma Arnal	1
Alma Jodorowsky	1
Alma Martínez	1
Alma Matrecito	1
Alma Moreno	1
Alma Terzic	1
Almila Bagriacik	1
Almira Muhlach	1
Alok Chaturvedi	1
Alok Gagdekar	1
Alok Nath	11
Alok Rajwade	1
Alon Aboutboul	3
Alon Williams	1
Alona Tal	1
Alondra Hidalgo	2
Along Eyzendy	1
Alonzo Muhlach	1
Alora Sasam	1
Alosian Vivancos	2
Aloysius Pang	1
Alper Kul	1
Alper Saldıran	1
Alperen Efe Esmer	1
Alpha Oumar Barry	1
Alphonso Mcauley	4
Alphonso Romero Jones II	1
Altagracia Guzman	1
Altan Erkekli	4

Althogali Saif	1
Alun Armstrong	1
Alva Rogers	1
Alvaro Armand Ugon	1
Alvin Abayomi	1
Alvin Anson	2
Alvin Sanders	1
Alvin Wong	5
Alwara Höfels	1
Alwyn Uyttingco	3
Aly Eltayeb	1
Aly Ibrahim	1
Aly Michalka	3
Alycia Pascual-Peña	1
Alycia Debnam-Carey	1
Alycia Delmore	3
Alycia Purrott	1
Alyona Chekhova	1
Alysha Deslorieux	1
Alyshia Ochse	1
Alyson Kiperman	1
Alyson Leigh Rosenfeld	8
Alyson Standen	1
Alyson Stoner	1
Alyssa Baker	1
Alyssa Chia	1
Alyssa Diaz	2
Alyssa Goss	1
Alyssa Lynch	1
Alyssa Milano	3
Alyssa Sutherland	1
Alyssya Swales	3
Alyvia Alyn Lind	2
Alyy Khan	4

Alzaabi Matar	1
Alê Abreu	1
Am Rashed	2
Ama K. Abebrese	3
Ama Qamata	1
Amadeus Serafini	1
Amadou Mbow	1
Amaechi Muonagor	1
Amaia Aberasturi	1
Amaia Salamanca	5
Amaka Iruobe	1
Amaka Mgbor	1
Amaka Obiechie	1
Amal Anbari	1
Amal Assaf	1
Amal Mohammed	1
Amal Unnithan	1
Amala	1
Amala Paul	2
Amalia Vitale	1
Amalia Williamson	2
Amalia Yoo	1
Aman Attar	1
Aman Dhaliwal	1
Aman Hundal	1
Aman Sutdhar	1
Aman Uppal	1
Aman Verma	1
Amanda Abbingtion	2
Amanda Afolabi	1
Amanda Allan	1
Amanda Arcuri	1
Amanda Brugel	2
Amanda Bynes	4

Amanda C. Miller	1
Amanda Campana	1
Amanda Cerny	2
Amanda Chou	6
Amanda Chu	1
Amanda Clayton	2
Amanda Crew	3
Amanda Céline Miller	1
Amanda Detmer	4
Amanda Ebeye	1
Amanda Foreman	1
Amanda Gorman	1
Amanda Hale	1
Amanda Hariz	1
Amanda Holt	1
Amanda Kimmel	1
Amanda Lawrence	2
Amanda Leighton	1
Amanda Lindh	1
Amanda Müller	1
Amanda Nara	1
Amanda Ooms	1
Amanda Orestes	1
Amanda Palmer	1
Amanda Peet	4
Amanda Plummer	1
Amanda Righetti	2
Amanda Root	1
Amanda Schull	3
Amanda Seyfried	9
Amanda Sohrabi	1
Amanda Tapping	1
Amanda Wyss	2
Amanda Zhou	1

Amandla Stenberg	2
Amane Okayama	1
Amar	1
Amara La Negra	1
Amaraja Patil	1
Amardeep Jha	1
Amari Avery	1
Amari McCoy	1
Amarildo Kola	1
Amarin Nitipon	1
Amarjeet Amle	1
Amarr M. Wooten	1
Amaryllis Fox	1
Amaury Nolasco	3
Amb. Rachel Bakam	1
Ambarish Deshpande	1
Amber An	1
Amber Armstrong	1
Amber Barretto	1
Amber Beattie	1
Amber Brkich	1
Amber Chardae Robinson	1
Amber Chia	1
Amber Cosich	1
Amber Frank	6
Amber Heard	11
Amber Kuo	2
Amber Marshall	1
Amber May	1
Amber Midthunder	3
Amber Riley	1
Amber Rose	1
Amber Rose Revah	2
Amber Smith	1

Amber Stevens West	1
Amber Tamblyn	3
Amber Valletta	4
Ambika Mohan	1
Ambrish Saxena	1
Ambrose Hsu	1
Ambrose Hui	1
Ambujakshi	1
Ambyr Childers	2
Amed Bozan	1
Ameena Khalil	1
Ameer Khlawe	1
Ameerah Falzon-Ojo	1
Ameesha Patel	3
Amel Bouchoucha	1
Amel Carla	1
Amelia Curtis	1
Amelia Eve	1
Amelia Haberman	1
Amelia Sheeler	1
Amelia Warner	1
Amelie Bea Smith	1
Amelie Fonlupt	1
Amer Chadha-Patel	1
America Ferrara	1
America Ferrera	7
America Young	12
Amerul Affendi	4
Amey Wagh	2
Ameya Hunaswadkar	1
Amgad Elsharqawy	1
Ami Koshimizu	8
Ami Tomite	1
Amiah Miller	1

Amiel Cayo	1
Amila Terzimehic	1
Amin Bensalem	1
Amin El Gamal	1
Amin Hajee	3
Amin Joseph	3
Amina Kane	1
Amina Khalil	4
Amina Merai	1
Aminaa Alfakharani	1
Aminah Tjendrakasih	3
Amir Arison	1
Amir Bageria	2
Amir Bashir	1
Amir El Kacem	1
Amir El-Masry	1
Amir O'Neil	1
Amir Raza Hussain	1
Amir Salah	1
Amir Talai	1
Amir Tessler	1
Amir Wilson	1
Amira Casar	2
Amirah Vann	2
Amit Behl	2
Amit Deondi	2
Amit Kumar	1
Amit Kumar Tiwari	1
Amit Pachori	1
Amit Rahav	1
Amit Sadh	2
Amit Shah	2
Amit Sial	6
Amit Tandon	2

Amit Varma	1
Amita Khopkar	1
Amita Pathak	1
Amita Suman	2
Amitabh Bachchan	28
Amitabh Srivastava	1
Amitabha Bhattacharjee	1
Amith Chakalakkal	1
Amitosh Nagpal	1
Amjad Khan	3
Aml Ameen	3
Amma	1
Ammar Alfian	1
Ammar Rahma	1
Ammo 'Too Sweet'	1
Ammy Virk	2
Amna Ilyas	1
Amol Deshmukh	1
Amol Mhatre	1
Amol Palekar	2
Amol Parashar	3
Amole Gupte	1
Amornrit Sriphung	1
Amos Tamam	1
Amparo Grisales	2
Amparo Moreno	1
Amparo Noguera	1
Amr Abdel Guelil	1
Amr Abdel-Geleel	3
Amr El Kady	1
Amr Saad	3
Amr Sakr	1
Amr Youssef	5
Amrinder Gill	1
Amrinder Singh	1

Amrit Arora	10
Amrit Arora	1
Amrit Maghera	2
Amrit Pal	5
Amrita Acharia	2
Amrita Arora	2
Amrita Bagchi	2
Amrita Chattopadhyay	1
Amrita Prakash	1
Amrita Puri	3
Amrita Raichand	1
Amrita Rao	9
Amrita Singh	6
Amritha Aiyer	1
Amruta Khanvilkar	2
Amruta Patki	1
Amruta Subhash	6
Amrutha Karagada	1
Amrutha Naik	1
Amund Hllum Noraker	1
Amy Acker	2
Amy Adams	13
Amy Aitken	1
Amy Amika Klinprathum	1
Amy Beckwith	1
Amy Birnbaum	1
Amy Brenneman	3
Amy Carlson	1
Amy Cheng	1
Amy Ferguson	1
Amy Forsyth	2
Amy Grant	1
Amy Green	1
Amy Griffiths	1
Amy Handley	2

Amy Hargreaves	3
Amy Hill	4
Amy Huberman	3
Amy Irving	2
Amy Jackson	1
Amy Jo Johnson	1
Amy Johnston	1
Amy Landecker	5
Amy Madigan	1
Amy Maghera	1
Amy Manson	1
Amy Margolis	2
Amy Matysio	1
Amy Miller	1
Amy Morton	1
Amy Okuda	2
Amy Parrish	1
Amy Pemberton	1
Amy Pietz	1
Amy Poehler	10
Amy Robinson	1
Amy Ruffle	1
Amy Ryan	5
Amy Sanders	1
Amy Saville	1
Amy Schumer	2
Amy Sedaris	8
Amy Seimetz	1
Amy Siriya	1
Amy Smart	6
Amy Stryker	1
Amy Sturdivant	1
Amy Tan	2
Amy Tsang	1

Amy Winehouse	2
Amy Yip	1
Amy van der Weerden	1
Amybeth McNulty	1
Amyra Dastur	4
Amyra Rosli	1
Amyza Aznan	1
Amélia Bittencourt	1
Amélia Lacquemant	1
An Nae-sang	1
An Seo Hyun	2
An Seok-hwan	1
An Woo-yeon	1
An-Li Bogan	1
Ana Abad-Santos	1
Ana Begic	1
Ana Bertha Espín	2
Ana Blanco de Córdoba	1
Ana Brenda Contreras	1
Ana Caetano	1
Ana Capri	2
Ana Cecilia Natteri	1
Ana Cecília Costa	1
Ana Celentano	1
Ana Chalentano	1
Ana Claudia Talancón	2
Ana Cristina Botero	2
Ana Druzhynina	1
Ana Fernández	3
Ana Gasteyer	3
Ana Gil de Melo Nascimento	1
Ana Girardot	1
Ana Golja	2
Ana González Bello	1

Ana Hartmann	1
Ana Julia Yeyé	1
Ana Katz	1
Ana Layevska	3
Ana Lucia Dominguez	1
Ana Lucía Domínguez	2
Ana López	1
Ana López Mercado	1
Ana Maria Orozco	1
Ana Martín	1
Ana María Arango	1
Ana María Ayala	1
Ana María Cuéllar	1
Ana María Estupiñán	2
Ana María Henríquez	1
Ana Ortiz	4
Ana Polvorosa	3
Ana Radu	1
Ana Rujas	1
Ana Santos	2
Ana Scotney	2
Ana Serradilla	1
Ana Sofía Durán	1
Ana Sophia Heger	1
Ana Torrent	1
Ana Ularu	1
Ana Valeria Becerril	1
Ana Villagrasa	1
Ana Wagener	5
Ana Wills	1
Ana Wolfermann	1
Ana de Armas	5
Ana de la Reguera	3
Ana-María Sánchez	1

Anabel Ferreira	2
Anabela Teixeira	1
Anabelle Acosta	1
Anagha LK	1
Anahit Setian	1
Anahit Simonyan	1
Anahí	1
Anahí de Cárdenas	1
Anairis Quiñones	1
Anaitha Nair	2
Anajósé Aldrete	2
Analeigh Tipton	3
Analú Prestes	1
Anamaria Marinca	1
Anamay Verma	2
Anamaya Varma	1
Anamaya Verma	7
Anand	1
Anand Abhyankar	1
Anand Balraj	1
Anand Deverakonda	1
Anand Goradia	1
Anand Ingale	3
Anand Ingle	1
Anand Kumar	1
Anand Rajaram	1
Anand Sami	2
Anand Sampath	1
Anand Tiwari	2
Ananda Badudu	1
Ananda Everingham	1
Anandhi	3
Anandhu	1
Anandito Dwis	1

Anang Desai	4
Anangsha Biswas	1
Anant Jog	2
Anant Mahadevan	1
Anant Nag	3
Anant Raina	1
Ananth Narayan Mahadevan	1
Anantharam Karthik	1
Ananya Bhat	1
Ananya Chatterjee	1
Ananya Kashyap	1
Ananya Khare	1
Ananya Melkote	1
Ananya Nagalla	1
Anarkali Marikar	1
Anas Elbaz	1
Anastasia Bampos	1
Anastasia Baranova	2
Anastasia Chocholatá	1
Anastasia Dymitrow	1
Anastasia Hille	2
Anastasia Phillips	1
Anastasios Soulis	1
Anastasiya Makeeva	1
Anatole Taubman	2
Anaïs Thomas	1
Anchasa Mongkhonsama	1
Anchuleeon Buagaew	1
Ande Cunningham	1
Anders Baasmo	1
Anders Baasmo Christiansen	2
Anders Danielsen Lie	4
Anders Holm	2
Anders Hove	1

Anders Juul	1
Anders Lidin Hansen	1
Anders W. Berthelsen	1
Andersen Gabrych	1
Anderson Ballesteros	1
Anderson Cooper	1
Anderson Silva	2
Andi Matichak	1
Andi Viola	1
Andie Chen	1
Andie MacDowell	5
Andien	1
Andile Gumbi	1
Andoni Agirregomezkorta	1
Andoni Gracia	1
Andonis Anthony	1
Andovi da Lopez	1
Andra Day	1
Andra Fuller	3
Andre Braugher	2
Andre Garcia	1
Andre Hyland	1
Andre Jacobs	1
Andre Kim	1
Andre Robinson	4
Andre Royo	3
Andre Squire	1
Andrea Aboagye	1
Andrea Arcangeli	1
Andrea Avery	1
Andrea Bang	1
Andrea Barber	1
Andrea Beltrão	1
Andrea Brooks	1

Andrea Carballo	1
Andrea Carvajal	1
Andrea Chaparro	1
Andrea Cortes	1
Andrea De Oliveira	1
Andrea Del Rosario	1
Andrea Duro	3
Andrea Engelsmann Persson	1
Andrea Falzone	1
Andrea Frankle	1
Andrea Frigerio	5
Andrea Garrote	1
Andrea Germani	1
Andrea Grano	1
Andrea Guzmán	1
Andrea Gómez	2
Andrea Jeremiah	2
Andrea Kwan	1
Andrea Lattanzi	1
Andrea Leigh	1
Andrea Libman	25
Andrea Londo	1
Andrea Lynn Green	1
Andrea López	2
Andrea Mandalis	1
Andrea Martin	3
Andrea Martí	1
Andrea Menard	1
Andrea Moor	1
Andrea Navedo	2
Andrea Newton	1
Andrea Noceti	1
Andrea Osvárt	2
Andrea Pennacchi	2

Andrea Quattrocchi	1
Andrea Riseborough	7
Andrea Roncato	2
Andrea Ros	4
Andrea Roth	2
Andrea Runge	1
Andrea Savage	2
Andrea Stefancikova	1
Andrea Sutton	1
Andrea Tariang	1
Andrea Tenuta	2
Andrea Velasco	1
Andrea-Marie Alphonse	1
Andreas Apergis	3
Andreas Döhler	1
Andreas Kundler	1
Andreas Lust	1
Andreas Pietschmann	1
Andreas Segeritz	1
Andree Bernard	1
Andree Vermeulen	3
Andreea Vasile	1
Andrei Gavril	1
Andrei Indreies	1
Andrei Selaru	1
Andrene Ward-Hammond	3
Andreo Kamau	1
Andres Gil	1
Andres Joseph	1
Andres Williams	2
Andreu Lacondeguy	1
Andreu Parinussa	1
Andrew Airlie	2
Andrew Astor	1

Andrew Bachelor	9
Andrew Bowen	2
Andrew Brooke	1
Andrew Buchan	2
Andrew Buckland	1
Andrew Bushell	1
Andrew Coghlan	1
Andrew Collins	1
Andrew Cownden	1
Andrew Craig	1
Andrew Crawford	1
Andrew Creer	1
Andrew Daly	4
Andrew Diaz	1
Andrew Dice Clay	1
Andrew Divoff	1
Andrew Duncan	1
Andrew Fiscella	1
Andrew Foster	1
Andrew Francis	2
Andrew Garfield	2
Andrew Gillies	1
Andrew Gorman	1
Andrew Gower	1
Andrew Grainger	1
Andrew Günsberg	1
Andrew Hawley	1
Andrew Hefler	2
Andrew Herr	1
Andrew Hodwitz	1
Andrew Horton	1
Andrew Howard	2
Andrew J. West	1
Andrew Kishino	2

Andrew Knowlton	1
Andrew Koji	1
Andrew Laing	1
Andrew Lancel	1
Andrew Lawrence	1
Andrew Laws	1
Andrew Lin	1
Andrew Lincoln	2
Andrew Lloyd Webber	1
Andrew Lopez	1
Andrew Lua	1
Andrew M. Gray	5
Andrew McCarthy	1
Andrew McFarlane	1
Andrew McNee	1
Andrew McPhee	1
Andrew Neethling	1
Andrew Orolfo	1
Andrew Phung	1
Andrew Pifko	1
Andrew Rannells	4
Andrew Reid	1
Andrew Robertt	1
Andrew Sabiston	1
Andrew Sachs	2
Andrew Schulz	1
Andrew Scott	3
Andrew Shaifer	1
Andrew Shaver	1
Andrew Shue	1
Andrew Simpson	1
Andrew Spooner	1
Andrew Steel	1
Andrew Stewart-Jones	1

Andrew Iotn	4
Andrew W. Walker	1
Andrew Whipp	1
Andrew Wilson	1
Andrey Dementiev	1
Andrey Gorlenko	1
Andria Tayeh	1
Andromeda Godfrey	1
Andryan Bima	1
Andrzej Chyra	1
Andrzej Dobosz	1
Andrzej Grabowski	1
Andrzej Konopka	1
Andrzej Klak	1
Andrzej Mellin	1
Andrzej Mrowiec	1
Andrzej Seweryn	2
Andrzej Łapicki	1
András Faragó	1
André Bharti	1
André Chiang	1
André Christenson	1
André Dussollier	1
André Eisermann	1
André Eriksen	1
André Gonçalves	1
André Gordon	1
André Hennicke	1
André Holland	6
André Leon Talley	1
André Luiz Frambach	1
André Novais	1
André Odendaal	1
André Ramiro	1
André Saum	1

André Berrani	1
André Wilms	1
Andrés Almeida	4
Andrés Baida	2
Andrés Couturier	1
Andrés Crespo	1
Andrés Gertrúdix	3
Andrés Herrera	3
Andrés Iniesta	2
Andrés Palacios	2
Andrés Pardave	1
Andrés Parra	3
Andrés Pazos	1
Andrés Rebolledo	1
Andrés Rillón	1
Andrés Salas	3
Andrés Sandoval	1
Andrés Suárez	1
Andrés Toro	2
Andrés Velencoso	2
Andy Abbott	2
Andy Beckwith	2
Andy Berman	1
Andy Buckley	2
Andy Burrows	1
Andy Calderwood	1
Andy Chen	1
Andy Dick	2
Andy Favreau	2
Andy Garcia	6
Andy Gibbins	1
Andy Griffith	1
Andy Hayward	1
Andy Hull	1
Andy Kindler	1

Andy Lau	4
Andy Liang	1
Andy Lucas	3
Andy Mackenzie	1
Andy McAvin	1
Andy McPhee	1
Andy Mientus	1
Andy Milder	2
Andy Milonakis	1
Andy Nyman	5
Andy Parsons	1
Andy Pellick	1
Andy Pessoa	2
Andy Puddicombe	2
Andy Richter	10
Andy Romano	1
Andy Samberg	12
Andy Serkis	7
Andy Walken	1
Andy Whitfield	2
Andy Wu	1
Andy Zou	1
Ane Dahl Torp	1
Anee Icha	3
Aneesh Menon	2
Aneesha Shah	1
Aneeta	1
Aneirin Hughes	1
Anelis Assumpção	1
Anemone Valcke	1
Anette Hoff	1
Aneurin Barnard	1
Anga Makubalo	1
Angad Bedi	6

Angad Mhaskar	1
Angel Alkain	1
Angel Bismark Curiel	1
Angel Chipagua	1
Angel Coulby	1
Angel David	1
Angel Funto Johnson	1
Angel Lin	1
Angel Locsin	5
Angel Luis Rivera Jr.	1
Angel Parker	1
Angel Unigwe	2
Angela Bartys	1
Angela Bassett	7
Angela Bundalovic	1
Angela Chang	2
Angela Cremonte	1
Angela Dippe	1
Angela Ekeleme	1
Angela Galuppo	3
Angela Gibbs	1
Angela Griffin	1
Angela Kinsey	4
Angela Lansbury	1
Angela Mao	1
Angela Means	1
Angela Mulligan	1
Angela Okorie	1
Angela Sarafyan	2
Angela Scott	1
Angela Sithole	2
Angela Trimbur	3
Angela Vint	1
Angela Winkler	2

Angela Woods	1
Angelababy	1
Angeles Woo	1
Angeli Nicole Sanoy	1
Angelia Livie	1
Angelic Zambrana	1
Angelica Blandon	1
Angelica C. Ferro	1
Angelica Page	1
Angelica Panganiban	6
Angelica Ross	1
Angelina Carballo	1
Angelina Chen	1
Angelina Fiordellisi	1
Angelina Jolie	7
Angelina Kirsch	1
Angeline Ball	1
Angeline Quinto	1
Angeline Tan	1
Angeline Yap	1
Angelines Fernández Abad	1
Angelique Boyer	2
Angelique Cabral	2
Angellie Saño	1
Angelo Moore	1
Angelo Restaino	1
Angelo Spagnoletti	1
Angelo Tijssens	1
Angelu De Leon	1
Angely Gaviria	1
Angelyna Martinez	1
Angga Dwimas Sasongko	1
Angga Yunanda	1
Anggika Bolsterli	4

Angie Cepeda	3
Angie Diaz	1
Angie Dickinson	1
Angie Everhart	1
Angie Ferro	1
Angie Harmon	1
Angie Martinez	1
Angie Saba	1
Angie Seow	1
Angira Dhar	1
Anglie Leung	1
Angourie Rice	1
Angus Barnett	1
Angus MacInnes	1
Angus Macfadyen	4
Angus McLaren	1
Angus Sampson	4
Angus T. Jones	1
Angus Whinfield	1
Angus Wright	1
Angélica Aragón	3
Angélica Blandón	1
Angélica Celaya	1
Angélica María	2
Angélica Vale	1
Angélique Kidjo	1
Anh Dung	1
Ani Hovhannisyan	1
Ani Iyoho	1
Aniello Arena	1
Anika Mauer	1
Anika Noni Rose	4
Aniket Vishwasrao	2
Anikie Maguire	1

Anil Datt	1
Anil Dhawan	3
Anil Dutt	1
Anil Gawas	1
Anil George	1
Anil Kapoor	18
Anil Mange	2
Anil Nedumangad	2
Anil Rastogi	1
Anilú Pardo	1
Anima Misa	1
Anindita Bose	1
Anindya Bandopadhyay	1
Anindya Banerjee	2
Anirban Bhattacharya	1
Aniruddha Dave	2
Anirudh Agarwal	1
Anirudh Tanwar	1
Anisa Butt	1
Anisa George	1
Anisa Nyell Johnson	1
Anisa Rahma	1
Anish Jethmalani	1
Anish Kuruvilla	3
Anish Trivedi	1
Anisha Ambrose	3
Anisha Victor	1
Anita Daniels	1
Anita Date	1
Anita Devgan	6
Anita Hara	1
Anita Kailey	1
Anita Kanwal	1
Anita Kanwar	1