df.describe()

```
# Importing essential libraries
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns

# Load CSV file into dataframe
df = pd.read_csv('netflix.csv')
```

Having a glance into dataset for first 5 rows df.head(5)

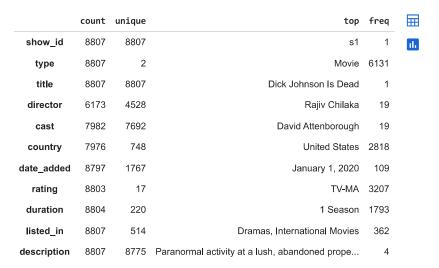
	show_id	type	title	director	cast	country	date_added	release_year	rat
0	s1	Movie	Dick Johnson Is Dead	Kirsten Johnson	NaN	United States	September 25, 2021	2020	PG
1	s2	TV Show	Blood & Water	NaN	Ama Qamata, Khosi Ngema, Gail Mabalane, Thaban	South Africa	September 24, 2021	2021	TV-
2	s3	TV Show	Ganglands	Julien Leclerca	Sami Bouajila, Tracy Gotoas,	NaN	September 24 2021	2021	TV.
	1	0 s1	0 s1 Movie 1 s2 TV Show	Dick o s1 Movie Johnson Is Dead 1 s2 TV Blood & Water	0 s1 Movie Johnson Is Dead Kirsten Johnson 1 s2 TV Blood & NaN Water NaN	O s1 Movie Johnson Is Dick Dead Kirsten Johnson NaN Ama Qamata, Khosi Ngema, Gail Mabalane, Thaban Sami Bouajila, Tracy TV Ganglands Julien Gotoss	O s1 Movie Johnson Is Dead Kirsten Johnson NaN United States 1 s2 TV Blood & NaN Nama Qamata, Khosi NaN Ngema, Gail Mabalane, Thaban Sami Bouajila, Tracy Julien Tracy Julien Gotose NaN NaN Name (Rotose NaN Name (Rotose Na	O s1 Movie Johnson Is Dead Kirsten Johnson NaN United September 25, 2021 1 s2 TV Blood & NaN Qamata, Khosi Ngema, Gail Mabalane, Thaban Sami Bouajila, Tracy September Gotras NaN September Gotras NaN September Gotras NaN September S	O s1 Movie Johnson Is Dead Johnson NaN United September 2020 Ama Qamata, Khosi Ngema, Gail Mabalane, Thaban Sami Bouajila, Tracy Saptember 24, 2021 September 24, 2021 2020 Ama Qamata, Khosi Ngema, Gail Mabalane, Thaban Sami Bouajila, Tracy Ganglands Julien Gotas NaN September 2021

Gathering more information on dataset to check non-null count and datatype of each column df.info()

```
<class 'pandas.core.frame.DataFrame'>
    RangeIndex: 8807 entries, 0 to 8806
    Data columns (total 12 columns):
     # Column
                      Non-Null Count Dtype
    ---
                      -----
     0 show_id
1 type
                      8807 non-null
                                      object
                  8807 non-null
                                      object
                    8807 non-null
     2 title
                                      object
         director
                      6173 non-null
                                      object
                      7982 non-null
     4 cast
                                      object
     5 country 7976 non-null
6 date_added 8797 non-null
                      7976 non-null
                                      object
                                      object
        release_year 8807 non-null
                                      int64
     8 rating
9 duration
                      8803 non-null
                                      object
                      8804 non-null
                                      object
     10 listed_in
                      8807 non-null
                                      object
     11 description 8807 non-null
                                      object
    dtypes: int64(1), object(11)
    memory usage: 825.8+ KB
# To identify no of rows and columns
df.shape
    (8807, 12)
# To get overall statistical report on dataset
```



To get overall statistical report on dataset including objects
df.describe(include = 'object').T



Checking percentage of missing data
df.isnull().sum()/len(df)*100

 ${\sf show_id}$ 0.000000 0.000000 type title 0.000000 29.908028 director cast 9.367549 country 9.435676 date_added 0.113546 release_year 0.000000 rating 0.045418 duration 0.034064 listed_in 0.000000 description 0.000000 dtype: float64



Checking missing value for duration
df[df.isnull()['duration'] == True]

	show_id	type	title	director	cast	country	date_added	release_year	rating
5541	s5542	Movie	Louis C.K. 2017	Louis C.K.	Louis C.K.	United States	April 4, 2017	2017	74 min
5794	s5795	Movie	Louis C.K.: Hilarious	Louis C.K.	Louis C.K.	United States	September 16, 2016	2010	84 min
4									•

Replacing rating with duration value as it is interchanged
index = list(df[df.isnull()['duration'] == True].index)
df.loc[index, 'duration'] = df.loc[index, 'rating']
df.loc[index,'rating'] = np.nan
df.loc[index,:]

	show_id	type	title	director	cast	country	date_added	release_year	rating
5541	s5542	Movie	Louis C.K. 2017	Louis C.K.	Louis C.K.	United States	April 4, 2017	2017	NaN
5794	s5795	Movie	Louis C.K.: Hilarious	Louis C.K.	Louis C.K.	United States	September 16, 2016	2010	NaN
4									•

Rechecking percentage of missing data
df.isnull().sum()/len(df)*100

show_id 0.000000 0.000000 type 0.000000 title director 29.908028 cast 9.367549 country 9.435676 date_added 0.113546 release_year 0.000000 rating 0.079482 duration 0.000000 listed_in 0.000000 description 0.000000 dtype: float64

Checking missing value for rating
df[df.isnull()['rating'] == True]

	show_id	type	title	director	cast	country	date_added	release_yea
5541	s5542	Movie	Louis C.K. 2017	Louis C.K.	Louis C.K.	United States	April 4, 2017	20 [.]
5794	s5795	Movie	Louis C.K.: Hilarious	Louis C.K.	Louis C.K.	United States	September 16, 2016	20 ⁻
5813	s5814	Movie	Louis C.K.: Live at the Comedy Store	Louis C.K.	Louis C.K.	United States	August 15, 2016	20 ⁻
5989	s5990	Movie	13TH: A Conversation with Oprah Winfrey & Ava	NaN	Oprah Winfrey, Ava DuVernay	NaN	January 26, 2017	20 ⁻
6827	s6828	TV Show	Gargantia on the Verdurous Planet	NaN	Kaito Ishikawa, Hisako Kanemoto, Ai Kayano, Ka	Japan	December 1, 2016	20.
4								•

Impute missing 'rating' values

mode_rating = df['rating'].mode()[0]
df['rating'].fillna(mode_rating, inplace=True)

Checking missing value for date_added
df[df.isnull()['date_added'] == True]

```
title director
                                                  cast country date_added release_year
      show_id type
                                                 Daniel
                         A Young
                                              Radcliffe,
                         Doctor's
                                                   Jon
                                                          United
                  TV
                                                                                      2013
6066
        s6067
                        Notebook
                                      NaN
                                                Hamm,
                                                                        NaN
               Show
                                                        Kingdom
                       and Other
                                                 Adam
                          Stories
                                                Godley,
                                                Chris...
                         Anthony
                        Bourdain:
                                               Anthony
                                                          United
                  TV
                                                                                      2018
6174
        s6175
                                      NaN
                                                                        NaN
               Show
                           Parts
                                              Bourdain
                                                          States
                        Unknown
                                                Kelsey
                                             Grammer,
                                                  Jane
                  TV
```

Impute missing 'date_added' values as 1st Jan of release year
index = list(df[df.isnull()['date_added'] == True].index)
df.loc[index,'date_added'] = ['January 1, ' + str(i) for i in df.loc[index,'release_year']]

.lennifer

Checking missing value for country
df[df.isnull()['country'] == True]

	show_id	type	title	director	cast	country	date_added	release_yea
2	s3	TV Show	Ganglands	Julien Leclercq	Sami Bouajila, Tracy Gotoas, Samuel Jouy, Nabi	NaN	September 24, 2021	202 [.]
3	s4	TV Show	Jailbirds New Orleans	NaN	NaN	NaN	September 24, 2021	202 [.]
5	s6	TV Show	Midnight Mass	Mike Flanagan	Kate Siegel, Zach Gilford, Hamish Linklater, H	NaN	September 24, 2021	202
6	s7	Movie	My Little Pony: A New Generation	Robert Cullen, José Luis Ucha	Vanessa Hudgens, Kimiko Glenn, James Marsden,	NaN	September 24, 2021	202 ⁻
10	s11	TV Show	Vendetta: Truth, Lies and The Mafia	NaN	NaN	NaN	September 24, 2021	202 ⁻
8718	s8719	Movie	Westside vs. the World	Michael Fahey	Ron Perlman, Louie Simmons	NaN	August 9, 2019	2019
4								•

```
# Impute missing 'country' values based on director country
for i in df[df['country'].isnull()]['director'].unique():
    if i in df[~df['country'].isnull()]['director'].unique():
        imp=df[df['director']==i]['country'].mode().values[0]
        df.loc[df['director']==i,'country']=df.loc[df['director']==i,'country'].fillna(imp)
# Impute missing 'country' values based on cast country
for i in df[df['country'].isnull()]['cast'].unique():
```

if i in df[~df['country'].isnull()]['cast'].unique():

```
imp=df[df['cast']==i]['country'].mode().values[0]
        df.loc[df['cast']==i,'country']=df.loc[df['cast']==i,'country'].fillna(imp)
# Remaining values to be replace by Unknown Country
df['country'].fillna('Unknown Country',inplace=True)
df.isnull().sum()
     show_id
                        0
                        0
     tvpe
     title
                        0
     director
                     2634
     cast
     country
                        0
     date_added
                        a
     release_year
     rating
                        0
     duration
                        0
     listed_in
     description
                        0
     dtype: int64
# Impute missing 'director' values with the mode within each group
df['director'] = df.groupby(['title', 'listed_in', 'country'])['director'].transform(lambda x: x.fillna(x.mode().iloc[0] if not x.mode().empt
# Impute missing 'cast' values with the mode within each group
df['cast'] = df.groupby(['country', 'director', 'title', 'listed_in'])['cast']. transform(lambda x: x.fillna(x.mode().iloc[0] if not x.mode().
# Rechecking percentage of missing data
df.isnull().sum()/len(df)*100
     show_id
                     0.0
                     0.0
     type
     title
                     0.0
     director
                     0.0
     cast
                     0.0
     country
                     0.0
     date_added
                     0.0
     release_year
                     0.0
     rating
                     0.0
     duration
                     0.0
     listed_in
                     0.0
     description
                     0.0
     dtype: float64
#unnesting the directors column
constraint1=df['director'].apply(lambda x:str(x).split(', ' )).tolist()
df_new1=pd.DataFrame(constraint1,index=df['title'])
df_new1=df_new1.stack()
df_new1=pd.DataFrame(df_new1.reset_index())
df_new1.rename(columns={0:'Directors'},inplace=True)
df_new1.drop(['level_1'],axis=1,inplace=True)
df_new1.head()
                     title
                                  Directors
      0 Dick Johnson Is Dead ['Kirsten Johnson']
               Blood & Water
                                  ['Unknown']
      2
                  Ganglands
                             ['Julien Leclercq']
      3 Jailbirds New Orleans
                                  ['Unknown']
      4
                Kota Factory
                                  ['Unknown']
#unnesting the cast column,
constraint2=df['cast'].apply(lambda x: str(x).split(', ')).tolist()
df_new2=pd.DataFrame(constraint2,index=df['title'])
df_new2=df_new2.stack()
df_new2=pd.DataFrame(df_new2.reset_index())
df_new2.rename(columns={0:'cas'},inplace=True)
df_new2.drop(['level_1'],axis=1,inplace=True)
df_new2.head()
```



```
title
                                Actors
                                             Directors
                                                                       Genre
                                                                                  country
#merging our unnested data with the original data
df_final=df_new.merge(df[['show_id', 'type', 'title', 'date_added',
       'release_year', 'rating', 'duration']],on=['title'],how='left')
df_final.head()
             title
                     Actors
                              Directors
                                                   Genre
                                                           country show_id
                                                                              type
                                                                                    date_added |
              Dick
                                                                                      September
                    Unknown
                                 l'Kirsten
                                                            ['United
        Johnson Is
                                          ['Documentaries']
                                                                         s1 Movie
                        Actor
                                Johnson']
                                                            States']
                                                                                       25, 2021
              Dead
                                          ['International TV
           Blood & Unknown
                                                            ['South
                                                                                TV
                                                                                     September
                              ['Unknown']
                                                                         s2
             Water
                        Actor
                                                  Shows'
                                                            Africa']
                                                                              Show
                                                                                       24, 2021
           Blood & Unknown
                                                            ['South
                                                                                TV
                                                                                     September
                              ['l Inknown']
                                             ' TV Dramas'
# Rechecking nulls
df_final.isnull().sum()
     title
     Actors
                      0
     Directors
                     0
     Genre
                      0
                      0
     country
     show id
                      0
     type
                      0
     date_added
                      0
     release vear
                      0
     rating
                     a
     duration
                      0
     dtype: int64
# Adding extra coulmns for time, week, day, month analysis
from datetime import datetime
from dateutil.parser import parse
arr=[]
for i in df_final['date_added'].values:
    dt1=parse(i)
    arr.append(dt1.strftime('%Y-%m-%d'))
df_final['Modified_Added_date']=arr
df_final['Modified_Added_date']=pd.to_datetime(df_final['Modified_Added_date'])
df_final['month_added']=df_final['Modified_Added_date'].dt.month
df_final['week_Added']=df_final['Modified_Added_date'].dt.week
df_final['day_Added']=df_final['Modified_Added_date'].dt.day
df_final['year']=df_final['Modified_Added_date'].dt.year
df_final['Weekday_added'] = df_final['Modified_Added_date'].apply(lambda x: parse(str(x)).strftime("%A"))
df_final.head()
                                  ca5>:10: FutureWarning: Series.dt.weekofyear and Series.dt.v
                                  final['Modified_Added_date'].dt.week
                                                                           type date_added rel
                                  ctors
                                                 Genre country show_id
                                                          United
                                                                                   September
                                  irsten
                                          Documentaries
                                                                           Movie
                                                                                     25, 2021
                                                          States
                                  hnson
                                            International
                                                                                   September
                                                           South
                                                                             TV
                                  nown
                                             TV Shows
                                                                           Show
                                                                                     24, 2021
                                                           Africa
                                                                             TV
                                                           South
                                                                                   September
                                  nown
                                            TV Dramas
                                                                       s2
                                                                           Show
                                                                                     24, 2021
                                                           Africa
                                                           South
                                                                             TV
                                                                                   September
                                  nown
                                           TV Mysteries
                                                                       s2
                                                           Africa
                                                                           Show
                                                                                     24, 2021
                                   Julien
                                              Crime TV
                                                                             TV
                                                                                   September
                                                         France
                                                                       s3
                                  clercq
                                                Shows
                                                                           Show
                                                                                     24, 2021
# Removing jargons like ''[] from columns
df final['title']=df final['title'].str.replace(r"\(.*\)","")
df_final['Genre']=df_final['Genre'].str.replace(" Kids' TV", "Kids' TV")
```

```
df_final['country']=df_final['country'].str.replace(r"\(.*\)","")
df_final['Directors']=df_final['Directors'].str.replace(r"\(.*\)","")
df_final['Genre'] = df_final['Genre'].str.strip("['" "']")
df_final['country'] = df_final['country'].str.strip("['" "']")
df_final['Directors'] = df_final['Directors'].str.strip("['" "']")
df_final.head()
```

<ipython-input-97-cfb5d4f47f1c>:1: FutureWarning: The default value of regex will change
df_final['title']=df_final['title'].str.replace(r"\(.*\)","")
<ipython-input-97-cfb5d4f47f1c>:3: FutureWarning: The default value of regex will change
df_final['country']=df_final['country'].str.replace(r"\(.*\)","")
<ipython-input-97-cfb5d4f47f1c>:4: FutureWarning: The default value of regex will change
df_final['Directors']=df_final['Directors'].str.replace(r"\(.*\)","")

	title	Actors	Directors	Genre	country	show_id	type	date_added	rel
0	Dick Johnson Is Dead	Unknown Actor	Kirsten Johnson	Documentaries	United States	s1	Movie	September 25, 2021	
1	Blood & Water	Unknown Actor	Unknown	International TV Shows	South Africa	s2	TV Show	September 24, 2021	
2	Blood & Water	Unknown Actor	Unknown	TV Dramas	South Africa	s2	TV Show	September 24, 2021	
3	Blood & Water	Unknown Actor	Unknown	TV Mysteries	South Africa	s2	TV Show	September 24, 2021	
4	Ganglands	Unknown Actor	Julien Leclercq	Crime TV Shows	France	s3	TV Show	September 24, 2021	

number of distinct titles on the basis of type

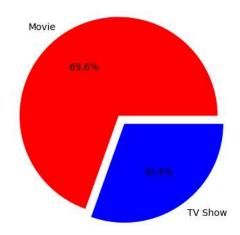
df_final.groupby(['type']).agg({"title":'nunique'})



0

Plotting pie chart for 'type' category

df_type=df_final.groupby(['type']).agg({"title":"nunique"}).reset_index()
plt.pie(df_type['title'],explode=(0.05,0.05),labels=df_type['type'],colors=['red','blue'],autopct='%.1f%%')
plt.show()



Netflix has 70% of its content as movies.

Movies are clearly more popular on Netflix than TV shows.

```
# Filter for movies only
movies_data = df_final[df_final['type'] == 'Movie']

# Group the data by release year and count the number of movies released each year
movie_count_by_year = movies_data['release_year'].value_counts().sort_index().reset_index()
movie_count_by_year.columns = ['Release Year', 'Count']

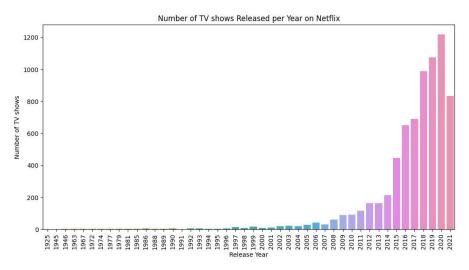
# Create a bar chart using Seaborn
plt.figure(figsize=(12, 6))
sns.barplot(x='Release Year', y='Count', data=movie_count_by_year)
plt.title('Number of Movies Released per Year on Netflix')
plt.xlabel('Release Year')
plt.ylabel('Number of Movies')
plt.xticks(rotation=90)
plt.show()
```



```
# Filter for TV shows only
shows_data = df_final[df_final['type'] == 'TV Show']

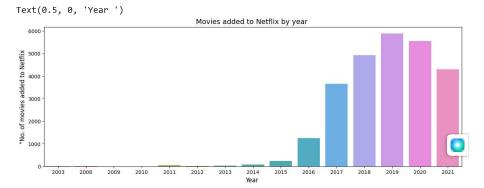
# Group the data by release year and count the number of TV shows released each year
shows_count_by_year = shows_data['release_year'].value_counts().sort_index().reset_index()
shows_count_by_year.columns = ['Release Year', 'Count']

# Create a bar chart using Seaborn
plt.figure(figsize=(12, 6))
sns.barplot(x='Release Year', y='Count', data=shows_count_by_year)
plt.title('Number of TV shows Released per Year on Netflix')
plt.xlabel('Release Year')
plt.ylabel('Number of TV shows')
plt.xticks(rotation=90)
plt.show()
```



Checking number of new Contents added yearly

```
fig = plt.figure(figsize=(15,5))
sns.countplot(data=df_final,x = 'year')
plt.title('Movies added to Netflix by year ', fontsize=14)
plt.ylabel('"No. of movies added to Netflix', fontsize=12)
plt.xlabel('Year ', fontsize=12)
```



Netflix has started adding content since 2016.

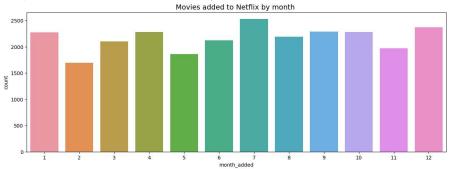
In the last 5 years, so we're seeing a increase in content being added.

Movies and TV shows added in the year 2019 was highest until date. $\label{eq:total_power}$

Checking number of new Contents on months

```
fig = plt.figure(figsize=(15,5))
sns.countplot(data=df_final,x = 'month_added')
plt.title('Movies added to Netflix by month ', fontsize=14)
```



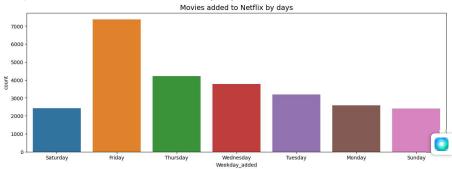


Consistent content additions in every month

Checking number of new Contents on weekends

```
fig = plt.figure(figsize=(15,5))
sns.countplot(data=df_final,x = 'Weekday_added')
plt.title('Movies added to Netflix by days', fontsize=14)
```

Text(0.5, 1.0, 'Movies added to Netflix by days')



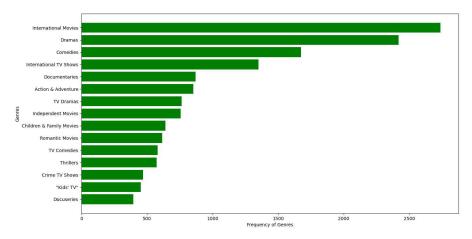
Netflix adds most of its content on Thursdays and Fridays.

On Friday, new content added is highest.

No. of distinct titles on the basis of listed_in

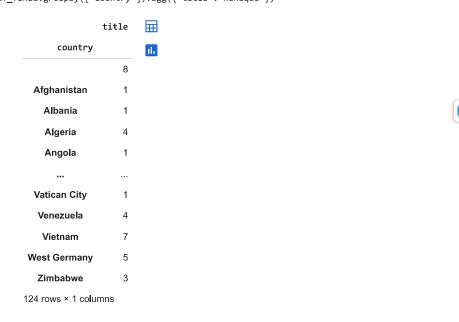
df_final.groupby(['Genre']).agg({"title":"nunique"})

title \blacksquare Genre "Kids' TV" 451 **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 **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 168 581 **TV Comedies** 700 df_genre=df_final.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()

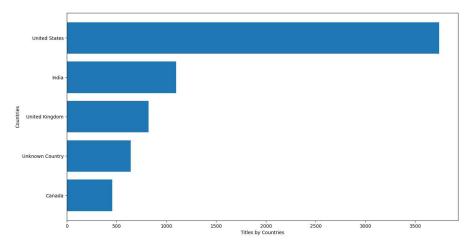


International Movies, Dramas and Comedies are the most popular genres on NETFLIX.

```
# No of distinct titles on the basis of country
df_final.groupby(['country']).agg({"title":"nunique"})
```



```
df_country=df_final.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'])
plt.xlabel('Titles by Countries')
plt.ylabel('Countries')
plt.show()
```



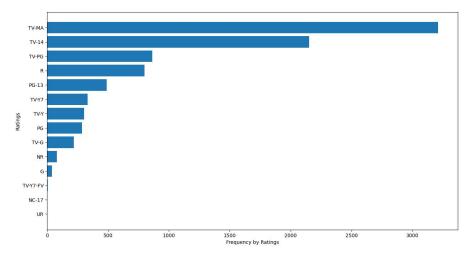
US,India,UK,Canada are leading countries in Content Creation on Netflix

No of distinct titles on the basis of rating

df_final.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	3211
TV-PG	863
TV-Y	305
TV-Y7	334
TV-Y7-FV	6
UR	3

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



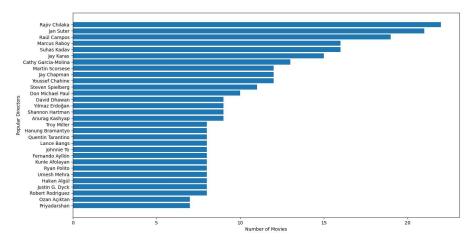
Most of content on Netflix is intended for Mature Audiences, R Rated, content not intended for audience under 14 and those which require Parental Guidance.

No of distinct titles on the basis of Directors

df_final.groupby(['Directors']).agg({"title":"nunique"})

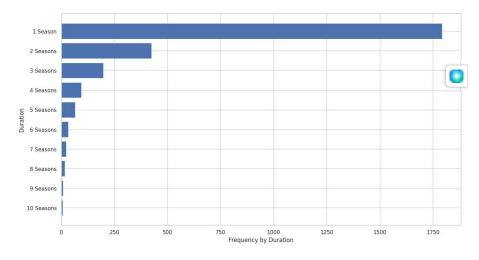


```
df_directors=df_final.groupby(['Directors']).agg({"title":"nunique"}).reset_index().sort_values(by=['title'],ascending=False)[:31]
df_directors=df_directors[df_directors['Directors']!='Unknown']
plt.figure(figsize=(15,8))
plt.barh(df_directors[::-1]['Directors'], df_directors[::-1]['title'])
plt.xlabel('Number of Movies')
plt.ylabel('Popular Directors')
plt.show()
```



Rajiv Chilaka, Jan Suter and Raul Campos are the most popular directors.

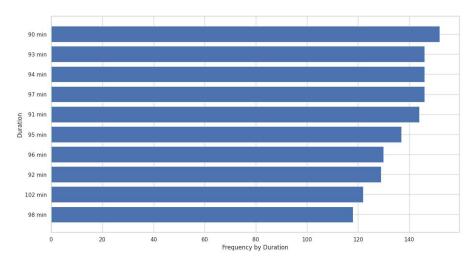
```
df_duration=shows_data.groupby(['duration']).agg({"title":"nunique"}).reset_index().sort_values(by=['title'],ascending=False)[:10]
plt.figure(figsize=(15,8))
plt.barh(df_duration[::-1]['duration'], df_duration[::-1]['title'])
plt.xlabel('Frequency by Duration')
plt.ylabel('Duration')
plt.show()
```



df_duration=movies_data.groupby(['duration']).agg({"title":"nunique"}).reset_index().sort_values(by=['title'],ascending=False)[:10]
plt.figure(figsize=(15.8))

 $^{1\} Season\ are\ common\ as\ soon\ as\ the\ season\ length\ increases, the\ number\ of\ shows\ decrease.$

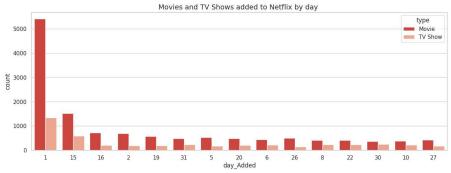
```
plt.barh(df_duration[::-1]['duration'], df_duration[::-1]['title'])
plt.xlabel('Frequency by Duration')
plt.ylabel('Duration')
plt.show()
```





#Bi-variate analysis-1



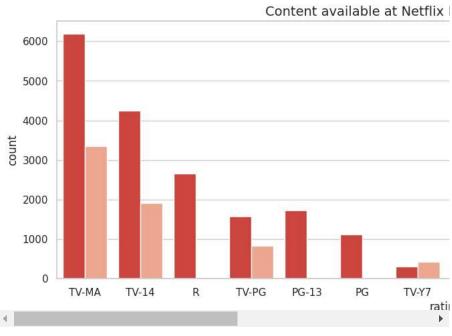


It was evident that 1st of every month was when the most content was added. It is recommended that Movies be added at the beginning of every month.

```
# Bi-variate analysis-2
fig = plt.figure(figsize=(15,5))
sns.countplot(data=df_final,x = 'rating',hue = 'type',palette ="Reds_r",
```

order = df_final['rating'].value_counts().index[0:15])
plt.title('Content available at Netflix based on the Maurity level ', fontsize=14)

Text(0.5, 1.0, 'Content available at Netflix based on the Maurity level ')



Summary of Final Recommendations:



Invest in Classic Movies and TV Shows: Only 25% of Netflix's content consists of movies and TV shows released before 2013. To attract more subscribers, Netflix should consider investing in classic movies and TV shows that have appeal.

Release Content on Thursdays and Fridays: Netflix adds approx 45% of its content on Thursdays and Fridays, likely because people tend to watch more content on weekends. It is recommended for content creators or Netflix to release new content on these days to maximize viewership.

Schedule Monthly Movie Releases: The 1st of every month sees the most content added to Netflix. It is highly recommended to prioritize adding movies at the beginning of each month. Additionally, Netflix can use this knowledge to plan server upgrades or maintenance ahead of time, minimizing disruptions.

Opportunities for New Content Creators: Netflix started adding content in 2015 and continues to encourage content creators to share new content on the platform. This suggests that new content creators have significant opportunities to showcase their work on Netflix's platform.

Increase Kid-Friendly Content: Approx 48% of Netflix's content is inclined towards adults, and over 60% of TV and show content is not suitable for kids. To attract more subscribers with families, Netflix should consider expanding its library of kid-friendly content.

These recommendations aim to help Netflix optimize its content strategy to cater to a wider audience and improve subscriber numbers.

