

```
In [ ]: import requests  
import pandas as pd
```

```
In [ ]: from bs4 import BeautifulSoup
```

```
In [ ]: import numpy as np  
import seaborn as sns  
from datetime import date  
import plotly.express as px  
import matplotlib.pyplot as plt
```

```
In [ ]: url='https://www.themoviedb.org/movie'
```

```
In [ ]: url='https://www.themoviedb.org'  
header = {'User-Agent': 'Mozilla/5.0 (Windows NT 6.3; Win64; x64) AppleWebKit/537.  
response = requests.get(url+'/movie', headers = header)
```

```
In [ ]: response
```

```
In [ ]: movie_data=response.text
```

```
In [ ]: soup=BeautifulSoup(movie_data,'lxml')
```

```
In [ ]:
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In [ ]:
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In [ ]:
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```
In [ ]: all_movieinfo=[]
all_movie_pages=soup.find_all('div',class_='card_style_1')
for item in all_movie_pages:
    movie_name = item.find('div',class_="content").h2.text
    movie_ratings= item.find('div',class_="user_score_chart")['data-percent']
    movie_link= item.find('div',class_="content").a['href']
    movie_link= "https://www.themoviedb.org"+movie_link
    ur12 = requests.get(movie_link,headers = header)
    mo_url= BeautifulSoup(ur12.text,'lxml')
    mo_url
    movie_release = mo_url.find('span',class_='release').text.strip().replace('(\u2022')
    movie_genere = mo_url.find('span',class_='genres').text.strip().replace(', ','')
    movie_runtime = mo_url.find('span',class_='runtime').text.strip()
    director=mo_url.find('li',class_='profile').a.text

    my_movies = {
        'Name':movie_name,
        'Ratings':movie_ratings,
        'Genere':movie_genere,
        'Release date':movie_release,
        'Runtime':movie_runtime,
        'Url':movie_link,
        'director':director
    }

    all_movieinfo.append(my_movies)
print(all_movieinfo)
```

```
In [ ]: df=pd.DataFrame(all_movieinfo)
```

```
In [ ]: df
```

```
In [ ]: url_allmovies='https://www.themoviedb.org/movie?page='
```

```
In [ ]: lst_url = []
for value in range(1,201):
    lst_url.append(url_allmovies+str(value))
```

```
In [ ]: for val in lst_url:
    print(val)
```

```
In [ ]: all_movieinfo=[]  
def get_all_movies_data():  
    for link in lst_url:  
        response = requests.get(link,headers={'User-Agent': 'Mozilla/5.0 '})  
        html_text = response.text  
        movie_soup = BeautifulSoup(html_text,'lxml')  
        all_movie_pages = movie_soup.find_all('div',class_='card style_1')  
        for item in all_movie_pages:  
            movie_name = item.find('div',class_="content").h2.text  
            movie_ratings= item.find('div',class_="user_score_chart")['data-perce  
            movie_link= item.find('div',class_="content").a['href']  
            movie_link= "https://www.themoviedb.org"+movie_link  
            movie_specificurl = requests.get(movie_link,headers = header)  
            movie_specificurl2= BeautifulSoup(movie_specificurl.text,'lxml')  
            movie_specificurl2  
            movie_release = movie_specificurl2.find('span',class_='release').text  
            movie_genere = movie_specificurl2.find('span',class_='genres').text.  
            my_movies = {  
                'Name':movie_name,  
                'Ratings':movie_ratings,  
                'Genere':movie_genere,  
                'Release date':movie_release,  
                'Url':movie_link  
            }  
  
            all_movieinfo.append(my_movies)  
get_all_movies_data()
```

```
In [ ]: all_movieinfo
```

```
In [ ]: movie_alldf=pd.DataFrame(all_movieinfo)
```

```
In [ ]: movie_alldf
```

```
In [ ]:
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In [ ]:
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```
In [ ]:
```

```
In [ ]: all_movieinfo=[]
def get_all_movies_data():
    for link in lst_url:
        response = requests.get(link,headers={'User-Agent': 'Mozilla/5.0 '})
        html_text = response.text
        movie_soup = BeautifulSoup(html_text,'lxml')
        all_movie_pages = movie_soup.find_all('div',class_='card style_1')
        for item in all_movie_pages:
            movie_name = item.find('div',class_="content").h2.text
            movie_ratings= item.find('div',class_="user_score_chart")['data-perce']
            movie_link= item.find('div',class_="content").a['href']
            movie_link= "https://www.themoviedb.org"+movie_link
            movie_specificurl = requests.get(movie_link,headers ={'User-Agent': 'Mozilla/5.0 '})
            movie_specificurl2= BeautifulSoup(movie_specificurl.text,'lxml')
            movie_specificurl2
            movie_release = movie_specificurl2.find('span',class_='release').text
            movie_genere = movie_specificurl2.find('span',class_='genres').text
            runtime = movie_specificurl2.find('span',class_='runtime')
            if runtime is not None:
                runtime=(runtime.text.strip())
            director=movie_specificurl2.find('li',class_='profile')
            if director is not None:
                director=(director.p.text)
            my_movies = {
                'Name':movie_name,
                'Ratings':movie_ratings,
                'Genere':movie_genere,
                'Release date':movie_release,
                'Runtime' :runtime,
                'Director' :director,
                'Url':movie_link
            }
            all_movieinfo.append(my_movies)
get_all_movies_data()
```

```
In [ ]:
```

```
In [ ]: movie_alldf=pd.DataFrame(all_movieinfo)
movie_alldf
```

```
In [ ]: movie_alldf.to_csv("Web Scrap Movie Site Data.csv")
```

```
In [ ]:
```

```
In [9]: data=pd.read_csv('Web Scrap Movie Site Data.csv')
```

In [10]: data

Out[10]:

	Unnamed: 0	Name	Ratings	Genre	Release date	Runtime	D
0	0	The Batman	79.0	Crime, Mystery, Thriller	03/04/2022	2h 56m	F
1	1	Spider-Man: No Way Home	81.0	Action, Adventure, Science Fiction	12/17/2021	2h 28m	Stev
2	2	The Outfit	72.0	Drama, Thriller, Crime	03/18/2022	1h 45m	C
3	3	Turning Red	75.0	Animation, Family, Comedy, Fantasy	03/10/2022	1h 40m	Dom
4	4	Sonic the Hedgehog 2	77.0	Action, Science Fiction, Comedy, Family	04/08/2022	2h 2m	
...
3995	3995	Another	60.0	Horror, Thriller, Mystery	08/04/2012 (JP)	1h 49m	↑ Full
3996	3996	Pete's Dragon	64.0	Adventure, Family, Fantasy	08/12/2016	1h 43m	
3997	3997	Beautiful Boy	75.0	Drama	11/09/2018	2h 1m	Fee Groe
3998	3998	Return to Never Land	64.0	Adventure, Fantasy, Animation, Family	03/28/2002	1h 12m	De
3999	3999	Unfriended	55.0	Horror, Thriller, Mystery	04/17/2015	1h 22m	Gal

4000 rows × 8 columns



In [11]: movie_data=data.copy()

In [12]: movie_data

Out[12]:

		Unnamed: 0	Name	Ratings	Genere	Release date	Runtime	D
0	0	The Batman		79.0	Crime, Mystery, Thriller	03/04/2022	2h 56m	F
1	1	Spider-Man: No Way Home		81.0	Action, Adventure, Science Fiction	12/17/2021	2h 28m	Stev
2	2	The Outfit		72.0	Drama, Thriller, Crime	03/18/2022	1h 45m	C
3	3	Turning Red		75.0	Animation, Family, Comedy, Fantasy	03/10/2022	1h 40m	Dom
4	4	Sonic the Hedgehog 2		77.0	Action, Science Fiction, Comedy, Family	04/08/2022	2h 2m	
...
3995	3995	Another		60.0	Horror, Thriller, Mystery	08/04/2012 (JP)	1h 49m	T Full
3996	3996	Pete's Dragon		64.0	Adventure, Family, Fantasy	08/12/2016	1h 43m	I
3997	3997	Beautiful Boy		75.0	Drama	11/09/2018	2h 1m	Fee Groe
3998	3998	Return to Never Land		64.0	Adventure, Fantasy, Animation, Family	03/28/2002	1h 12m	De
3999	3999	Unfriended		55.0	Horror, Thriller, Mystery	04/17/2015	1h 22m	Gal

4000 rows × 8 columns



Data cleansing

In [13]: movie_data['Release date']=movie_data['Release date'].str[0:10]

In [14]: movie_data.columns

Out[14]: Index(['Unnamed: 0', 'Name', 'Ratings', 'Genere', 'Release date', 'Runtime', 'Director', 'Url'],
dtype='object')

In [15]: movie_data.drop(['Unnamed: 0','Url'],inplace=True,axis=1)

In [16]: `movie_data.info()`

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 4000 entries, 0 to 3999
Data columns (total 6 columns):
 #   Column      Non-Null Count  Dtype  
--- 
 0   Name        4000 non-null    object  
 1   Ratings     4000 non-null    float64 
 2   Genere      3982 non-null    object  
 3   Release date 4000 non-null    object  
 4   Runtime      3948 non-null    object  
 5   Director    3970 non-null    object  
dtypes: float64(1), object(5)
memory usage: 187.6+ KB
```

In [17]: `movie_data.describe()`

Out[17]:

	Ratings
count	4000.000000
mean	65.343000
std	11.802592
min	0.000000
25%	61.000000
50%	66.000000
75%	72.000000
max	100.000000

In [18]: `movie_data.isnull().sum()`

```
Name          0
Ratings       0
Genere        18
Release date  0
Runtime        52
Director       30
dtype: int64
```

In [19]: `movie_data["Runtime"].fillna("0", inplace = True)`

In [20]: `movie_data["Director"].fillna("0", inplace = True)`

In [21]: `movie_data["Genere"].fillna("0", inplace = True)`

In [22]: `movie_data.isnull().sum()`

Out[22]:

Name	0
Ratings	0
Genere	0
Release date	0
Runtime	0
Director	0
dtype: int64	

In [23]: `movie_data.columns`

Out[23]:

```
Index(['Name', 'Ratings', 'Genere', 'Release date', 'Runtime', 'Director'],
      dtype='object')
```

In [24]: `movie_data`

Out[24]:

	Name	Ratings	Genere	Release date	Runtime	Director
0	The Batman	79.0	Crime, Mystery, Thriller	03/04/2022	2h 56m	Matt Reeves
1	Spider-Man: No Way Home	81.0	Action, Adventure, Science Fiction	12/17/2021	2h 28m	Steve Ditko
2	The Outfit	72.0	Drama, Thriller, Crime	03/18/2022	1h 45m	Graham Moore
3	Turning Red	75.0	Animation, Family, Comedy, Fantasy	03/10/2022	1h 40m	Domee Shi
4	Sonic the Hedgehog 2	77.0	Action, Science Fiction, Comedy, Family	04/08/2022	2h 2m	Patrick Casey
...
3995	Another	60.0	Horror, Thriller, Mystery	08/04/2012	1h 49m	Takeshi Furusawa
3996	Pete's Dragon	64.0	Adventure, Family, Fantasy	08/12/2016	1h 43m	David Lowery
3997	Beautiful Boy	75.0	Drama	11/09/2018	2h 1m	Felix van Groeningen
3998	Return to Never Land	64.0	Adventure, Fantasy, Animation, Family	03/28/2002	1h 12m	Donovan Cook
3999	Unfriended	55.0	Horror, Thriller, Mystery	04/17/2015	1h 22m	Levan Gabriadze

4000 rows × 6 columns

In [97]: `movie_data.groupby('Ratings').mean()`

Out[97]:

Ratings	Year	Months	Day
0.0	2021.150000	5.300000	17.300000
10.0	2022.000000	4.000000	22.000000
15.0	2015.500000	5.500000	4.000000
20.0	2017.227273	5.409091	17.090909
24.0	2021.000000	9.000000	30.000000
...
86.0	2008.666667	7.666667	19.166667
87.0	1995.666667	6.333333	15.000000
88.0	2020.666667	5.000000	18.666667
90.0	2021.000000	11.000000	18.000000
100.0	2022.000000	4.000000	21.500000

68 rows × 3 columns

Total name of movies in dataset

In [26]: `movie_data['Name']`

Out[26]:

0	The Batman
1	Spider-Man: No Way Home
2	The Outfit
3	Turning Red
4	Sonic the Hedgehog 2
...	
3995	Another
3996	Pete's Dragon
3997	Beautiful Boy
3998	Return to Never Land
3999	Unfriended

Name: Name, Length: 4000, dtype: object

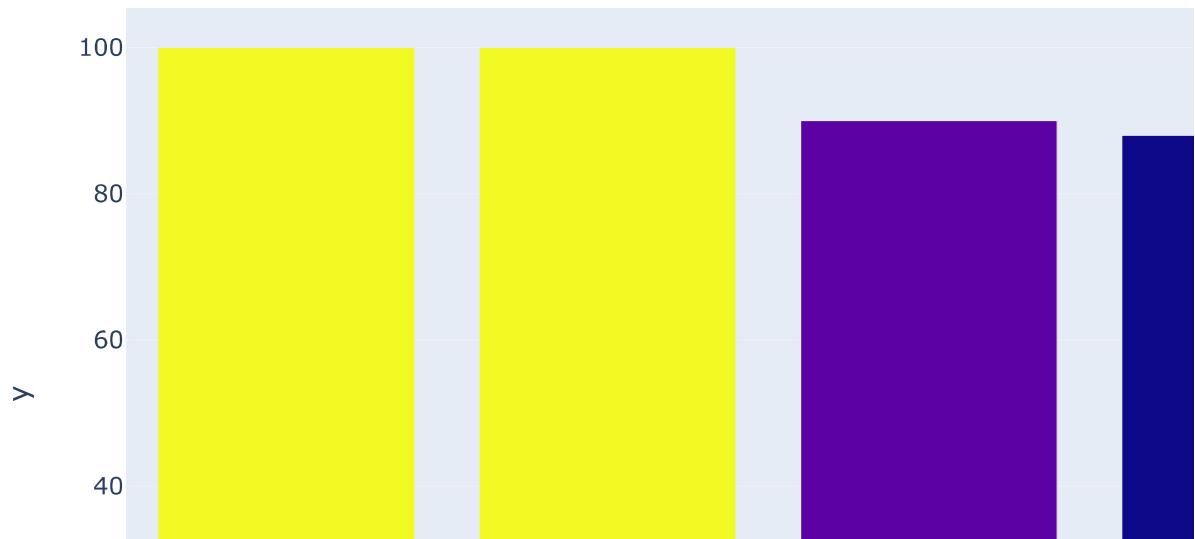
In [27]: `df2=movie_data.groupby(['Name'])['Ratings'].max()`

In [28]: `df3=df2.sort_values(ascending=False).head(5)`

In [29]: df3

Out[29]: Name
Virus:32 100.0
Polar Bear 100.0
Mission «Sky» 90.0
Everything Everywhere All at Once 88.0
Ni tuyo, Ni mía 88.0
Name: Ratings, dtype: float64

In [30]: px.bar(x=df3.index,y=df3.values,data_frame=df3,color='Ratings')



As above report from 1932 to 2022 movies we conclude that virus:32 and polar Bear as highest rating (i.e 100% and second one is Mission «Sky» (i.e 90% rating) and third movie two movie have maximum ratings is Everything Everywhere All at Once, Ni tuyo Ni mía (i.e 88%)

In [31]: df4=df2.sort_values(ascending=False).tail(5)

```
In [32]: df4
```

```
Out[32]: Name
Halo: The Fall of Reach    0.0
Toxic                      0.0
Top Gun: Maverick         0.0
Habangbuhay                 0.0
¿Y cómo es él?             0.0
Name: Ratings, dtype: float64
```

```
In [33]: df6=movie_data.groupby(['Director'])['Ratings'].max()
```

```
In [34]: df7=df6.sort_values(ascending=True).tail(5)
```

```
In [35]: df7
```

```
Out[35]: Director
Sandra Solares      88.0
Daniel Kwan          88.0
Igor Kopylov        90.0
Jeff Wilson          100.0
Gustavo Hernández   100.0
Name: Ratings, dtype: float64
```

As above report we get to know that the director Gustavo Hernández and Jeff Wilson as got highest rating for thier movies

```
In [36]: df8=movie_data.groupby(['Release date'])['Ratings'].max()
```

```
In [37]: df9=df8.sort_values(ascending=True).tail(5)
```

```
In [38]: px.bar(x=df9.index,y=df9.values,data_frame=df9,color='Ratings')
```



As above report we conclude that major movies are hit in 2000 years onwards

```
In [39]: fig = px.box(x='Ratings',data_frame=movie_data,title='Ratings')
fig.update_traces(marker_line_width=1,marker_line_color="red")
```

Ratings



From above graph we know that maximum movies are occurred between 44% and 90% ratings

In [40]: `movie_data[movie_data['Genere']=='Horror']`

Out[40]:

		Name	Ratings	Genere	Release date	Runtime	Director
24		Bull Shark	47.0	Horror	02/05/2022	1h 20m	Brett Bentman
25		The Grandmother	61.0	Horror	01/28/2022	1h 40m	Paco Plaza
42		The Jack in the Box: Awakening	61.0	Horror	02/24/2022	1h 29m	Lawrence Fowler
93		Queen of Spades	62.0	Horror	08/19/2021	1h 31m	Patrick White
95		The Hunting	52.0	Horror	01/21/2022	1h 31m	Mark Andrew Hamer
...	
3822		Bldg. N	0.0	Horror	04/22/2022	1h 43m	Yōsuke Gotō
3831		1408	67.0	Horror	06/22/2007	1h 44m	Mikael Håfström
3840		Hellraiser	69.0	Horror	09/11/1987	1h 33m	Clive Barker
3924		Torcidos	56.0	Horror	08/27/2021	0	J. Joaquin Marcos
3941		Sadako	60.0	Horror	05/24/2019	1h 39m	Hideo Nakata

114 rows × 6 columns

In [41]: `movie_data[(movie_data['Genre'].str.contains('Horror'))]`

Out[41]:

		Name	Ratings	Genre	Release date	Runtime	Director
12		No Exit	66.0	Horror, Thriller	02/25/2022	1h 36m	Damien Power
24		Bull Shark	47.0	Horror	02/05/2022	1h 20m	Brett Bentman
25		The Grandmother	61.0	Horror	01/28/2022	1h 40m	Paco Plaza
31		Beautiful Sisters: Flesh Slave	52.0	Crime, Horror	01/18/1986	1h 10m	Katsuhiko Fujii
42		The Jack in the Box: Awakening	61.0	Horror	02/24/2022	1h 29m	Lawrence Fowler
...
3958		Draug	54.0	Horror, History, Fantasy	10/10/2018	1h 27m	Klas Persson
3979		The Neon Demon	65.0	Thriller, Drama, Horror	06/09/2016	1h 58m	Nicolas Winding Refn
3992		The Recall	46.0	Science Fiction, Horror	06/02/2017	1h 31m	Mauro Borrelli
3995		Another	60.0	Horror, Thriller, Mystery	08/04/2012	1h 49m	Takeshi Furusawa
3999		Unfriended	55.0	Horror, Thriller, Mystery	04/17/2015	1h 22m	Levan Gabriadze

642 rows × 6 columns

In []:

In [42]: `movie_data['Genre'].value_counts()`

Out[42]:

Drama	145
Comedy	142
Horror	114
Horror, Thriller	88
Comedy, Romance	71
...	
Comedy, Family, Animation, Fantasy, Music	1
Comedy, Drama, Family, Music, Romance	1
Adventure, Animation, Family, Fantasy, Science Fiction	1
Fantasy, Action, Comedy, Crime	1
History, Music, Drama	1
Name: Genere, Length: 1318, dtype: int64	

Above list Genere wise count of movies from 1932 to 2022. we know that flims are released in 19' and 20's are mostly based on Dramas

```
In [43]: movie_data['Release date'].value_counts()
```

```
Out[43]: 04/22/2022    26
          10/01/2021    11
          10/08/2021    11
          10/22/2021    10
          02/11/2022     9
          ..
          03/06/2009     1
          11/23/2007     1
          08/16/1996     1
          12/19/1971     1
          03/28/2002     1
Name: Release date, Length: 2559, dtype: int64
```

most flims are released in 22 april 2020

```
In [95]: year_wise=movie_data.groupby(['Year'])['Ratings'].max()
```

```
In [96]: px.bar(x=year_wise.index,y=year_wise.values,data_frame=year_wise,color='Ratings')
```



From above report we got to know that from 1932 to 2022 the only movies in 2022 has maximum rating

```
In [47]: date=movie_data['Date']=pd.to_datetime(movie_data['Release date'],format = "%m/%d/%Y")
movie_data['Year']=pd.DatetimeIndex(movie_data['Release date']).year
movie_data['Months']=pd.DatetimeIndex(movie_data['Release date']).month
movie_data['Day']=pd.DatetimeIndex(movie_data['Release date']).day
```

```
In [ ]:
```

Extracting data of 19's only

```
In [48]: movie_of_nineties=movie_data[movie_data['Year']<2000]
```

```
In [49]: movie_of_nineties
```

Out[49]:

	Name	Ratings	Genre	Release date	Runtime	Director
31	Beautiful Sisters: Flesh Slave	52.0	Crime, Horror	01/18/1986	1h 10m	Katsuhiko Fujii
225	Toy Story	80.0	Animation, Adventure, Family, Comedy	11/22/1995	1h 21m	John Lasseter
283	The Lion King	83.0	Family, Animation, Drama	10/10/1994	1h 29m	Roger Allers
308	Dragon Ball Z: Broly – The Legendary Super Saiyan	72.0	Animation, Science Fiction, Action	03/06/1993	1h 10m	Takao Koyama
320	Toy Story 2	76.0	Animation, Comedy, Family	11/24/1999	1h 32m	John Lasseter
...
3980	Singin' in the Rain	82.0	Comedy, Music, Romance	04/11/1952	1h 43m	Betty Comden
3982	Graf Porno und seine Mädchen	66.0	Comedy	01/18/1969	1h 23m	Günter Hendel
3983	Stargate	70.0	Action, Adventure, Science Fiction	10/28/1994	2h 1m	Roland Emmerich
3989	Cube	68.0	Thriller, Science Fiction, Mystery	09/09/1997	1h 30m	Vincenzo Natali
3991	Sinner: The Secret Diary of a Nymphomaniac	42.0	Drama	06/21/1973	1h 27m	Jesús Franco

532 rows × 10 columns

```
In [50]: movie_of_nineties['Name'].count()
```

```
Out[50]: 532
```

532 movies are released in 19's

Below is the list of 19's movies by an genere names

```
In [51]: Genere_wise=movie_of_nineties.groupby(['Ratings'])['Genere'].max()
```

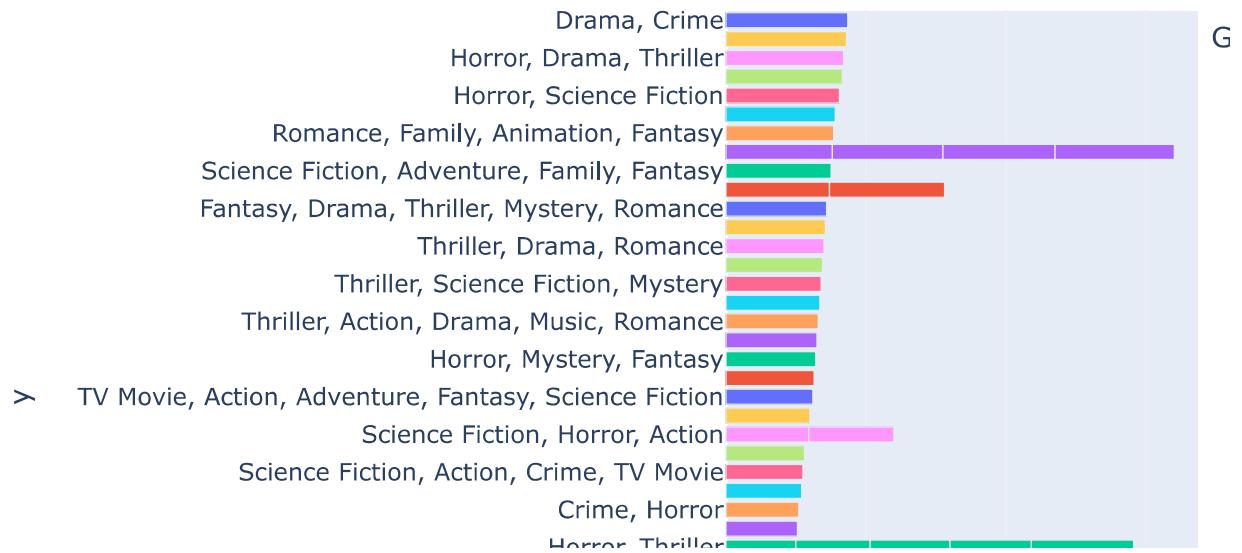
In [52]: `Genere_wise.head(52)`

Out[52]: Ratings

	Ratings
0.0	0
20.0	Crime
28.0	Comedy
30.0	Drama
31.0	Crime, Action
33.0	Documentary
35.0	0
39.0	Drama, War
40.0	Romance
42.0	Horror
43.0	Science Fiction, Action, Fantasy
44.0	Thriller, Science Fiction
45.0	Horror
46.0	Horror, Thriller, Fantasy, Drama
50.0	Horror, Thriller
51.0	Science Fiction, Action, Horror
52.0	Crime, Horror
53.0	Horror, Thriller
54.0	Horror, Thriller, Fantasy, Mystery
55.0	Science Fiction, Action, Crime, TV Movie
56.0	Science Fiction, Action, Thriller
57.0	Horror, Thriller
58.0	Horror, Thriller
59.0	Science Fiction, Horror, Action
60.0	Thriller, Action, Crime, Drama
61.0	Science Fiction, Horror, Action
62.0	TV Movie, Action, Adventure, Fantasy, Science ...
63.0	Thriller, Action, Science Fiction, Crime
64.0	Horror, Mystery, Fantasy
65.0	War, Drama, Horror
66.0	Thriller, Action, Drama, Music, Romance
67.0	Science Fiction, Horror
68.0	Thriller, Science Fiction, Mystery
69.0	Thriller, Mystery
70.0	Thriller, Drama, Romance
71.0	Science Fiction, Action, Adventure
72.0	Fantasy, Drama, Thriller, Mystery, Romance
73.0	Horror, Thriller
74.0	Science Fiction, Drama
75.0	Science Fiction, Adventure, Family, Fantasy
76.0	Western
77.0	Romance, Family, Animation, Fantasy
78.0	Music, Drama, History
79.0	Western
80.0	Western
81.0	Horror, Science Fiction
82.0	Science Fiction, Drama
83.0	Family, Animation, Drama
84.0	Horror, Drama, Thriller
85.0	Western
86.0	Drama, History, War
87.0	Drama, Crime

Name: Genere, dtype: object

```
In [53]: px.bar(x=Genere_wise.index,y=Genere_wise.values,data_frame=Genere_wise,color='Genre')
```



We conclude that in 19's most ratings are taken by Drama,Crime genere

```
In [54]: Director_wise=movie_of_nineties.groupby(['Ratings'])['Director'].max()
```

```
In [55]: px.bar(x=Director_wise.index,y=Director_wise.values,data_frame=Director_wise,col
```



Frank Darabont has highest ratings for their movies and Jerry London has lowest ratings for their movies in 19's

In [56]: movie_of_nineties[movie_of_nineties['Genre'] == 'Comedy']

Out[56]:

		Name	Ratings	Genre	Release date	Runtime	Director	Date	Year	Months	Day
922		The Wife on Vacation... The Lover in Town	53.0	Comedy	08/14/1980	1h 30m	Sergio Martino	1980-08-14	1980	8	14
1038		Don't Be a Menace to South Central While Drink...	69.0	Comedy	01/12/1996	1h 29m	Paris Barclay	1996-01-12	1996	1	12
1839		Malicious	70.0	Comedy	03/29/1973	1h 33m	Salvatore Samperi	1973-03-29	1973	3	29
1866		Die goldene Banane von Bad Porno	52.0	Comedy	08/26/1971	1h 35m	Ralf Gregan	1971-08-26	1971	8	26
2356		Friday	71.0	Comedy	04/26/1995	1h 31m	Ice Cube	1995-04-26	1995	4	26
2658		Dumb and Dumber	66.0	Comedy	12/16/1994	1h 47m	Peter Farrelly	1994-12-16	1994	12	16
2941		Che dottoressa ragazzil	55.0	Comedy	08/12/1976	1h 28m	Gianfranco Baldanello	1976-08-12	1976	8	12
3100		Liar Liar	66.0	Comedy	03/21/1997	1h 26m	Tom Shadyac	1997-03-21	1997	3	21
3207		Deuce Bigalow: Male Gigolo	59.0	Comedy	12/10/1999	1h 28m	Mike Mitchell	1999-12-10	1999	12	10
3443		Sonic Boom	28.0	Comedy	01/01/1974	31m	Jeffrey Mandel	1974-01-01	1974	1	1
3576		Trading Places	72.0	Comedy	06/07/1983	1h 56m	John Landis	1983-06-07	1983	6	7
3734		The Beverly Hillbillies	62.0	Comedy	10/15/1993	1h 33m	Penelope Spheeris	1993-10-15	1993	10	15
3793		Operation Y and Other Shurik's Adventures	80.0	Comedy	08/16/1965	1h 35m	Leonid Gaidai	1965-08-16	1965	8	16
3982		Graf Porno und seine Mädchen	66.0	Comedy	01/18/1969	1h 23m	Günter Hendel	1969-01-18	1969	1	18

In [57]: `movie_data[(movie_data['Genre'].str.contains('Comedy'))]`

Out[57]:

		Name	Ratings	Genre	Release date	Runtime	Director
3	Turning Red		75.0	Animation, Family, Comedy, Fantasy	03/10/2022	1h 40m	Domee Shi
4	Sonic the Hedgehog 2		77.0	Action, Science Fiction, Comedy, Family	04/08/2022	2h 2m	Patrick Casey
9	Encanto		77.0	Animation, Comedy, Family, Fantasy	11/24/2021	1h 42m	Charise Castro Smith
11	The Adam Project		70.0	Action, Adventure, Comedy, Science Fiction	03/11/2022	1h 46m	Shawn Levy
13	Pil's Adventures		69.0	Adventure, Animation, Comedy, Family, Fantasy	08/11/2021	1h 29m	Julier Fournier
...
3980	Singin' in the Rain		82.0	Comedy, Music, Romance	04/11/1952	1h 43m	Betty Comden
3981	Step Brothers		65.0	Comedy	07/25/2008	1h 38m	Adam McKay
3982	Graf Porno und seine Mädchen		66.0	Comedy	01/18/1969	1h 23m	Günter Hende
3990	Mamma Mia! Here We Go Again		72.0	Comedy, Romance	07/20/2018	1h 53m	O Parkes
3993	Minuscule 2: Mandibles from Far Away		71.0	Animation, Adventure, Family, Comedy	01/30/2019	1h 32m	Thomas Szabo

1135 rows × 10 columns



```
In [58]: movie_of_nineties['Genre'].value_counts()
```

```
Out[58]: Drama                22
          Horror               22
          Horror, Thriller     18
          Comedy               14
          Adventure, Action,   12
          Thriller             ..
          Adventure, Crime     ..
          Animation, Fantasy    ..
          Science Fiction,     ..
          Action, Adventure     ..
          Mystery               ..
          Name: Genere, Length: 280, dtype: int64
```

```
In [59]: movie_of_nineties['Release date'].value_counts()
```

```
Out[59]: 12/12/1997    3
          10/14/1994    3
          09/22/1995    2
          12/10/1999    2
          07/16/1993    2
          ..
          09/17/1992    1
          06/07/1985    1
          04/11/1986    1
          10/27/1989    1
          06/21/1973    1
          Name: Release date, Length: 505, dtype: int64
```

Extracting data 20' onwards

```
In [60]: movie_of_Twenties=movie_data[movie_data['Year']>=2000]
```

Movie released in 20's and onwards

In [61]: movie_of_Twenties

Out[61]:

	Name	Ratings	Genre	Release date	Runtime	Director	Date
0	The Batman	79.0	Crime, Mystery, Thriller	03/04/2022	2h 56m	Matt Reeves	2022-03-04
1	Spider-Man: No Way Home	81.0	Action, Adventure, Science Fiction	12/17/2021	2h 28m	Steve Ditko	2022-12-17
2	The Outfit	72.0	Drama, Thriller, Crime	03/18/2022	1h 45m	Graham Moore	2022-03-18
3	Turning Red	75.0	Animation, Family, Comedy, Fantasy	03/10/2022	1h 40m	Domee Shi	2022-03-10
4	Sonic the Hedgehog 2	77.0	Action, Science Fiction, Comedy, Family	04/08/2022	2h 2m	Patrick Casey	2022-04-08
...
3995	Another	60.0	Horror, Thriller, Mystery	08/04/2012	1h 49m	Takeshi Furusawa	2012-08-04
3996	Pete's Dragon	64.0	Adventure, Family, Fantasy	08/12/2016	1h 43m	David Lowery	2016-08-12
3997	Beautiful Boy	75.0	Drama	11/09/2018	2h 1m	Felix van Groeningen	2018-11-09
3998	Return to Never Land	64.0	Adventure, Fantasy, Animation, Family	03/28/2002	1h 12m	Donovan Cook	2002-03-28
3999	Unfriended	55.0	Horror, Thriller, Mystery	04/17/2015	1h 22m	Levan Gabriadze	2015-04-17

3468 rows × 10 columns

--	--

In [62]: movie_of_Twenties['Genre'].value_counts()

Out[62]:

Comedy	128
Drama	123
Horror	92
Horror, Thriller	70
Comedy, Romance	66
...	
Action, Comedy, Mystery, Crime	1
Comedy, Fantasy, Family, Music, Animation	1
Fantasy, Drama, War	1
Adventure, Science Fiction, TV Movie	1
Action, Drama, History, War	1
Name: Genere, Length: 1207, dtype: int64	

In [63]: `movie_of_Twenties['Release date'].value_counts()`

Out[63]:

04/22/2022	26
10/08/2021	11
10/01/2021	11
10/22/2021	10
06/04/2021	9
	..
05/23/2003	1
11/03/2011	1
12/06/2014	1
10/15/2019	1
03/28/2002	1

Name: Release date, Length: 2054, dtype: int64

In []:

In [64]: `movie_of_Twenties[movie_of_Twenties['Ratings']==100]`

Out[64]:

	Name	Ratings	Genre	Release date	Runtime	Director	Date	Year	Months	Day
1121	Virus:32	100.0	Horror	04/21/2022	1h 30m	Gustavo Hernández	2022-04-21	2022	4	21
2478	Polar Bear	100.0	Documentary	04/22/2022	1h 24m	Jeff Wilson	2022-04-22	2022	4	22

Two movie from 20's which has record of 100% ratings .

As above report we conclude that Virus: 32 and polar bear are the movies having highest ratings in 20's

In [65]: `movie_of_Twenties['Name'].count()`

Out[65]: 3468

From above 3468 movies are released in 20's

In [66]: `Genre_wise_20s=movie_of_nineties.groupby(['Ratings'])['Genre'].max()`

List of ratings by genre names in 20's

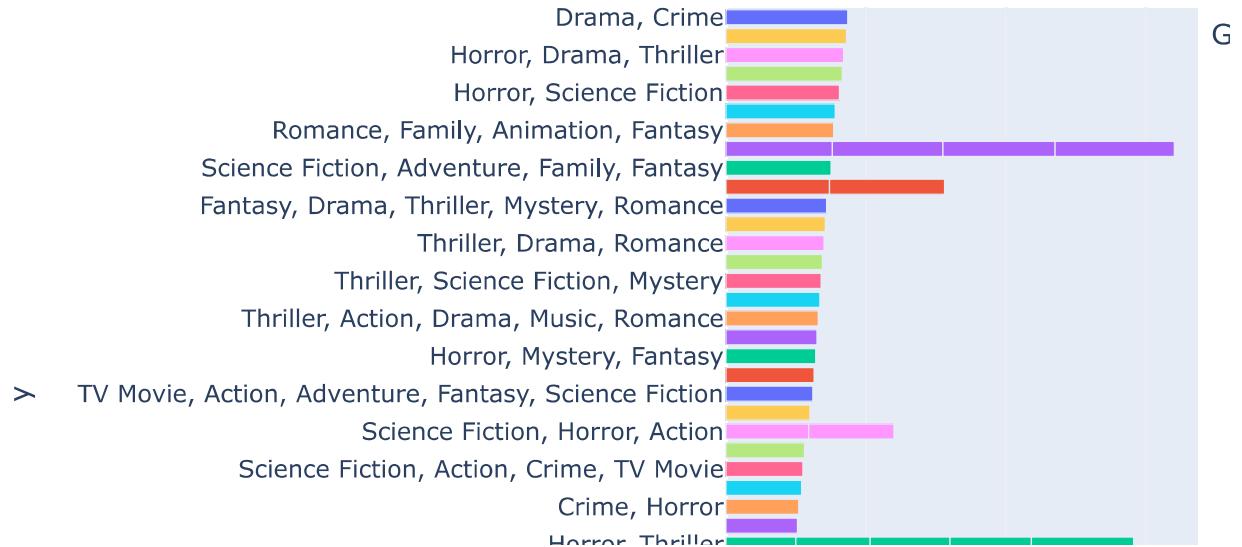
In [67]: Genere_wise_20s

Out[67]: Ratings

	Ratings	Genre
0.0		0
20.0		Crime
28.0		Comedy
30.0		Drama
31.0		Crime, Action
33.0		Documentary
35.0		0
39.0		Drama, War
40.0		Romance
42.0		Horror
43.0		Science Fiction, Action, Fantasy
44.0		Thriller, Science Fiction
45.0		Horror
46.0		Horror, Thriller, Fantasy, Drama
50.0		Horror, Thriller
51.0		Science Fiction, Action, Horror
52.0		Crime, Horror
53.0		Horror, Thriller
54.0		Horror, Thriller, Fantasy, Mystery
55.0		Science Fiction, Action, Crime, TV Movie
56.0		Science Fiction, Action, Thriller
57.0		Horror, Thriller
58.0		Horror, Thriller
59.0		Science Fiction, Horror, Action
60.0		Thriller, Action, Crime, Drama
61.0		Science Fiction, Horror, Action
62.0		TV Movie, Action, Adventure, Fantasy, Science ...
63.0		Thriller, Action, Science Fiction, Crime
64.0		Horror, Mystery, Fantasy
65.0		War, Drama, Horror
66.0		Thriller, Action, Drama, Music, Romance
67.0		Science Fiction, Horror
68.0		Thriller, Science Fiction, Mystery
69.0		Thriller, Mystery
70.0		Thriller, Drama, Romance
71.0		Science Fiction, Action, Adventure
72.0		Fantasy, Drama, Thriller, Mystery, Romance
73.0		Horror, Thriller
74.0		Science Fiction, Drama
75.0		Science Fiction, Adventure, Family, Fantasy
76.0		Western
77.0		Romance, Family, Animation, Fantasy
78.0		Music, Drama, History
79.0		Western
80.0		Western
81.0		Horror, Science Fiction
82.0		Science Fiction, Drama
83.0		Family, Animation, Drama
84.0		Horror, Drama, Thriller
85.0		Western
86.0		Drama, History, War
87.0		Drama, Crime

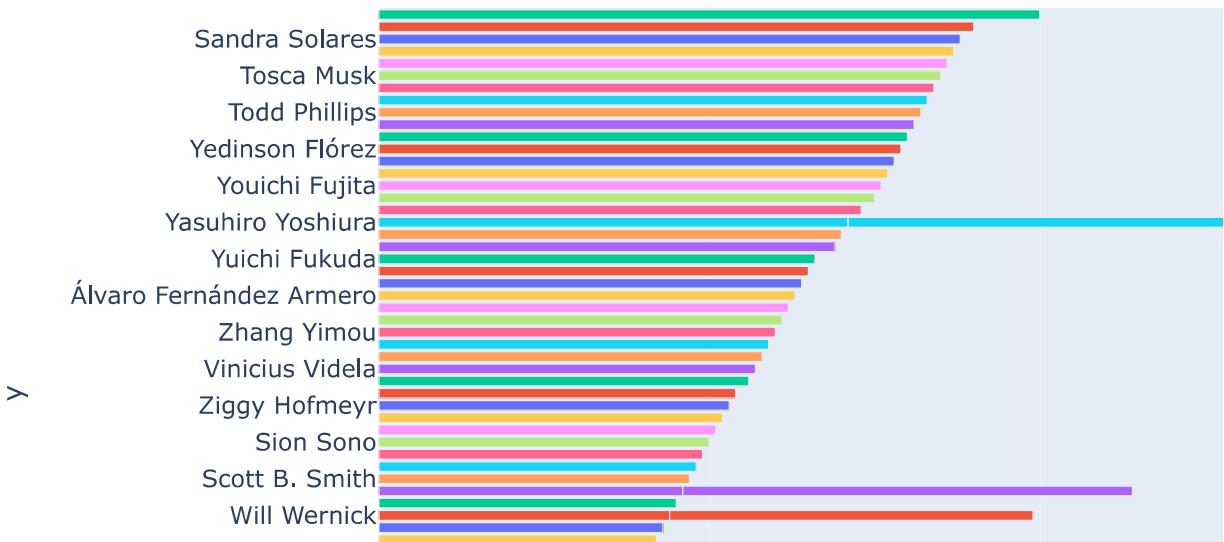
Name: Genere, dtype: object

```
In [68]: px.bar(x=Genere_wise_20s.index,y=Genere_wise_20s.values,data_frame=Genere_wise_20s)
```



```
In [69]: Director_wise_Twenties=movie_of_Twenties.groupby(['Ratings'])['Director'].max()
```

```
In [70]: px.bar(x=Director_wise_Twenties.index,y=Director_wise_Twenties.values,data_frame=
```



In 20's Director Jeff Wilson has highest ratings (i.e 100%)

```
In [ ]:
```

```
In [71]: movie_of_2020=movie_data[movie_data[ 'Year' ]==2020]
```

Analysis of specific year (list of movies released in 2020 only)

In [72]: movie_of_2020

Out[72]:

		Name	Ratings	Genre	Release date	Runtime	Dire
22	Sonic the Hedgehog	74.0	Action, Science Fiction, Comedy, Family	02/14/2020	1h 39m	N Ost	
111	Deathstroke: Knights & Dragons - The Movie	69.0	Animation, Action, Adventure, Science Fiction	08/04/2020	1h 27m	I Wolf	
132	Miraculous World: New York, United HeroeZ	83.0	Animation, Family, Comedy, Adventure, TV Movie	11/21/2020	55m	Tho A	
139	The Croods: A New Age	76.0	Animation, Family, Adventure, Fantasy, Comedy	11/25/2020	1h 35m	DeV	
168	After We Collided	73.0	Romance, Drama	09/02/2020	1h 45m	R Kur	
...
3783	Maggie Simpson in Playdate with Destiny	76.0	Animation, Comedy, Family, Romance	03/06/2020	4m	D Silver	
3791	Twitches	68.0	Comedy, Drama, Family, Fantasy, TV Movie	03/24/2020	1h 26m	S Gi	
3835	Dragons: Rescue Riders: Huttsgalor Holiday	55.0	Animation, Family	11/24/2020	46m	Sull	
3889	Glass Houses	61.0	Thriller, TV Movie	01/09/2020	1h 30m	S Pel	
3928	The Old Guard	72.0	Action, Fantasy	07/10/2020	2h 5m	I Pri Bythew	

206 rows × 10 columns



In [73]: movie_of_2020['Name'].count()

Out[73]: 206

Above is the count of movie released in 2020 is (206 movies)

```
In [74]: month_of_2020year=movie_of_2020.groupby(['Ratings'])['Name'].max()
```

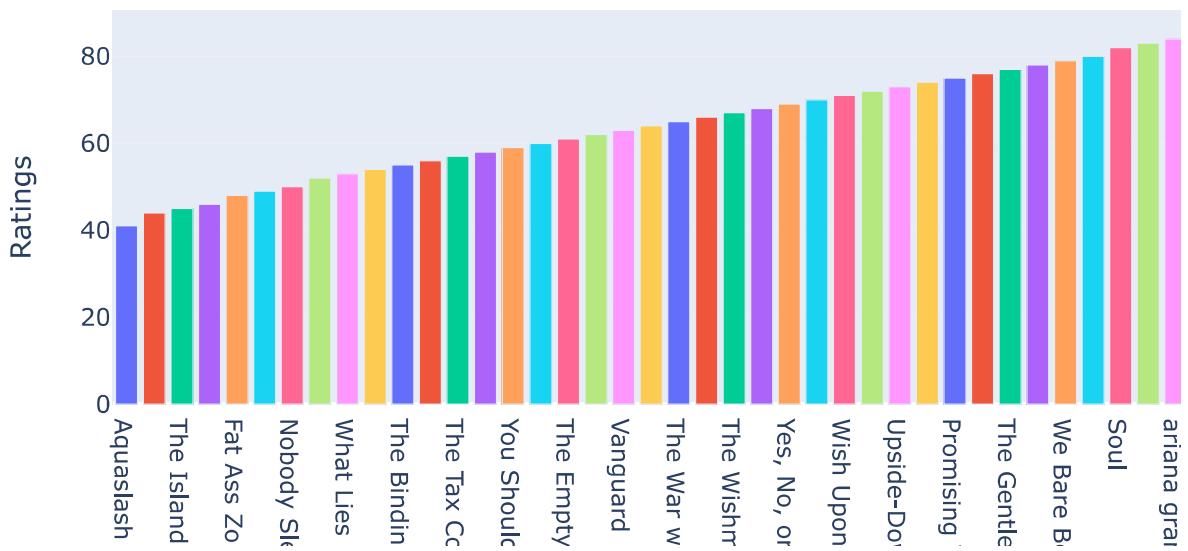
Below is the Ratings of movies by their genere names

```
In [75]: month_of_2020year
```

```
Out[75]: Ratings
```

41.0	Aquaslash
44.0	Breach
45.0	The Island of Giant Insects
46.0	Reaptown
48.0	Fat Ass Zombies
49.0	Castle Freak
50.0	Nobody Sleeps in the Woods Tonight
52.0	Black Water: Abyss
53.0	What Lies Below
54.0	Open 24 Hours
55.0	The Binding
56.0	The Rental
57.0	The Tax Collector
58.0	They Live Inside Us
59.0	You Should Have Left
60.0	Vivarium
61.0	The Empty Man
62.0	We Can Be Heroes
63.0	Vanguard
64.0	Yes, God, Yes
65.0	The War with Grandpa
66.0	Xico's Journey
67.0	The Wishmas Tree
68.0	Twitches
69.0	Yes, No, or Maybe Half?
70.0	PAW Patrol: Jet To The Rescue
71.0	Wish Upon a Unicorn
72.0	Wotakoi: Love is Hard for Otaku
73.0	Upside-Down Magic
74.0	Trolls World Tour
75.0	Promising Young Woman
76.0	The SpongeBob Movie: Sponge on the Run
77.0	The Gentlemen
78.0	Z-O-M-B-I-E-S 2
79.0	We Bare Bears: The Movie
80.0	Happy Halloween, Scooby-Doo!
82.0	Soul
83.0	Mortal Kombat Legends: Scorpion's Revenge
84.0	ariana grande: excuse me, i love you
85.0	Parasite
86.0	Violet Evergarden: The Movie
	Name: Name, dtype: object

```
In [76]: px.bar(x=month_of_2020year.values,y=month_of_2020year.index,data_frame=month_of_2
```



From the report we know that in the year 2020 most rating movie is Violet Evergarden (i.e 86%) and least rating to the movie is Aquaslash (i.e 41%)

```
In [77]: movie_of_2020['Genere'].value_counts()
```

```
Out[77]: Horror                               16
          Drama, Romance                      6
          Animation, Family                   5
          Horror, Thriller                    4
          Comedy, Romance                     4
          ..
          Animation, Adventure, Family, Fantasy 1
          Action, Adventure, Comedy, Fantasy    1
          Horror, Science Fiction, Mystery, Action 1
          Animation, Action                  1
          Action, Fantasy                     1
          Name: Genere, Length: 150, dtype: int64
```

In [78]: `movie_of_2020['Release date'].value_counts()`

Out[78]:

12/25/2020	6
10/23/2020	5
07/24/2020	5
12/18/2020	4
11/20/2020	4
..	
07/09/2020	1
02/18/2020	1
09/08/2020	1
01/30/2020	1
11/24/2020	1

Name: Release date, Length: 127, dtype: int64

Extracting of movies data of jan month 2020 only

Analysis by specific month i.e (movie which is released in january 2020 only)

In [79]: `month_of_2020_jan=movie_of_2020[movie_of_2020['Months']==1]`

In [80]: `month_of_2020_jan['Name'].count()`

Out[80]: 18

and the tota count of movies released in january 2020 is 18

In [81]: `month_of_2020_jan['Genere'].value_counts()`

Out[81]:

Mystery, Drama, Horror, Adventure, Animation	1
Comedy, Thriller, Drama	1
Animation, Family	1
Science Fiction, Drama, Romance, Action	1
Animation, Comedy, Family	1
Action, Adventure, Comedy, Science Fiction	1
Action, Adventure, Animation	1
Action, Horror, Science Fiction, Thriller	1
Crime, Action, Comedy	1
Drama, Thriller	1
Comedy, Thriller, Crime	1
War, Drama, Action, Thriller	1
Family, Fantasy, Adventure	1
Drama	1
Horror	1
Thriller, Action, Crime	1
Thriller, Horror, Drama	1
Thriller, TV Movie	1

Name: Genere, dtype: int64

List of ratings by an movies name,genere and director in 2020

In [82]: `movie_of_2020.groupby(['Ratings'])[['Name', 'Genere', 'Director']].min()`

Out[82]:

Ratings	Name	Genere	Director
41.0	Aquaslash	Horror, Comedy	Renaud Gauthier
44.0	Breach	Science Fiction, Action	John Suits
45.0	The Island of Giant Insects	Mystery, Drama, Horror, Adventure, Animation	Takeo Takahashi
46.0	Reaptown	Horror, Thriller, Mystery	Dutch Marich
48.0	Fat Ass Zombies	Horror, Comedy	George J. Bennett
49.0	Castle Freak	Horror	Tate Steinsiek
50.0	Death of Me	Action, Science Fiction, Fantasy	Bartosz M. Kowalski
52.0	Black Water: Abyss	Horror, Thriller, Adventure, Mystery	Andrew Traucki
53.0	461 Days of Bento: A Promise Between Father an...	Action, Comedy	Atsushi Kaneshige
54.0	12 Hour Shift	Horror, Thriller	Aleem Hossain
55.0	Darlin'	Animation, Family	Domenico Emanuele de Feudis
56.0	Cadaver	Drama, Horror, Thriller	Dave Franco
57.0	Artemis Fowl	Action, Crime, Drama	David Ayer
58.0	Haunting of the Mary Celeste	Action, Thriller	Andrew Jones
59.0	100% Wolf	Animation, Family, Fantasy	Alex Stadermann
60.0	Baba Yaga: Terror of the Dark Forest	Action, Horror, Science Fiction	Donna Powers
61.0	Ghosts of War	Animation	David Prior
62.0	A Babysitter's Guide to Monster Hunting	Action, Fantasy, Family, Comedy	Adam Mason
63.0	Alone	Action, Adventure, Crime	Brian Duffield
64.0	A Gruta	Animation, Family	Arthur Vinciprova
65.0	Altered Carbon: Resleeved	Animation, Family	Chris Columbus
66.0	A Trash Truck Christmas	Action, Adventure, Comedy, Science Fiction	Agustín Oso Tapia

Ratings	Name	Genre	Director
67.0	Dolittle	Animation, Family, Adventure, Action	Christopher Landon
68.0	Bloodshot	Action, Adventure, Comedy, Fantasy	Anna Mastro
69.0	Deathstroke: Knights & Dragons - The Movie	Action, Horror, Thriller	0
70.0	365 Days	Action, Crime	Barbara Bialowas
71.0	Emma.	Adventure, Family, Fantasy	Autumn de Wilde
72.0	Bad Boys for Life	Action, Fantasy	Brandon Vietti
73.0	#Alive	Action, Comedy, Drama	Ahn Byoung-wook
74.0	Barbie: Princess Adventure	Action, Science Fiction, Comedy, Family	Aaron Schneider
75.0	Chemical Hearts	Documentary	Dan Povenmire
76.0	Goblin Slayer: Goblin's Crown	Adventure, Family, Drama	Chris Sanders
77.0	All the Bright Places	Crime, Action, Comedy	David Alba
78.0	Corpus Christi	Animation, Action, Thriller, Adventure, Fantasy	Akiyoshi Hongo
79.0	The Heist of the Century	Comedy, Thriller, Crime	Ariel Winograd
80.0	1917	Animation, Drama, Romance, Fantasy	Maxwell Atoms
82.0	Soul	Animation, Comedy, Fantasy, Family	Pete Docter
83.0	Life in a Year	Animation, Action, Fantasy	Ethan Spaulding
84.0	Clouds	Action, Adventure, Animation	Genndy Tartakovsky
85.0	Gabriel's Inferno: Part III	Animation, Drama, Music, Romance	Bong Joon-ho
86.0	Josee, the Tiger and the Fish	Animation, Drama, Romance	Kotaro Tamura

Below is the list of Horroe movies form 19's and 20's

In [83]: `movie_data[movie_data['Genere']=='Horror']`

Out[83]:

		Name	Ratings	Genere	Release date	Runtime	Director	Date	Year	Months	Day
24		Bull Shark	47.0	Horror	02/05/2022	1h 20m	Brett Bentman	2022-02-05	2022	2	5
25		The Grandmother	61.0	Horror	01/28/2022	1h 40m	Paco Plaza	2022-01-28	2022	1	28
42		The Jack in the Box: Awakening	61.0	Horror	02/24/2022	1h 29m	Lawrence Fowler	2022-02-24	2022	2	24
93		Queen of Spades	62.0	Horror	08/19/2021	1h 31m	Patrick White	2021-08-19	2021	8	19
95		The Hunting	52.0	Horror	01/21/2022	1h 31m	Mark Andrew Hamer	2022-01-21	2022	1	21
...	
3822		Bldg. N	0.0	Horror	04/22/2022	1h 43m	Yōsuke Gotō	2022-04-22	2022	4	22
3831		1408	67.0	Horror	06/22/2007	1h 44m	Mikael Håfström	2007-06-22	2007	6	22
3840		Hellraiser	69.0	Horror	09/11/1987	1h 33m	Clive Barker	1987-09-11	1987	9	11
3924		Torcidos	56.0	Horror	08/27/2021	0	J. Joaquin Marcos	2021-08-27	2021	8	27
3941		Sadako	60.0	Horror	05/24/2019	1h 39m	Hideo Nakata	2019-05-24	2019	5	24

114 rows × 10 columns

Below is the list of short flims

In [84]: `movie_data[movie_data['Runtime'] < '1h']`

Out[84]:

	Name	Ratings	Genre	Release date	Runtime	Director	Date	Year	N
98	Echoes of a Crime	70.0	Thriller, Horror	01/27/2022	0	Cristian Bernard	2022-01-27	2022	
131	Un Rabón Con Corazón	66.0	Comedy	01/27/2022	0	Juan Carlos Vásquez	2022-01-27	2022	
150	Dragon Ball Super: Super Hero	0.0	Animation, Science Fiction, Action	06/11/2022	0	Akira Toriyama	2022-06-11	2022	
182	Erax	49.0	Mystery, Family	02/17/2022	14m	Hebru Brantley	2022-02-17	2022	
215	Thor: Love and Thunder	0.0	Adventure, Fantasy, Comedy	07/08/2022	0	Taika Waititi	2022-07-08	2022	
...
3901	Oro y Polvo	58.0		0 04/19/2016	0	Felix Limardo	2016-04-19	2016	
3923	Marvel One-Shot: Agent Carter	74.0	Action, Adventure, Science Fiction, Fantasy	09/03/2013	15m	Louis D'Esposito	2013-09-03	2013	
3924	Torcidos	56.0		Horror 08/27/2021	0	J. Joaquin Marcos	2021-08-27	2021	
3951	CRYING FREE SEX	72.0		0 09/08/2018	15m	Tomohiko Iwasaki	2018-09-08	2018	
3953	Naruto Special 1: Find the Crimson Four-leaf C...	20.0		0 05/24/2003	17m	0	2003-05-24	2003	

78 rows × 10 columns



In [85]: `movie_data[movie_data['Runtime'] < '1h'].count()`

Out[85]:

	Name	Ratings	Genere	Release date	Runtime	Director	Date	Year	Months	Day	dtype
	78	78	78	78	78	78	78	78	78	78	int64

78 short list flims are there

Below is the list of movies with runtime of 2Hrs

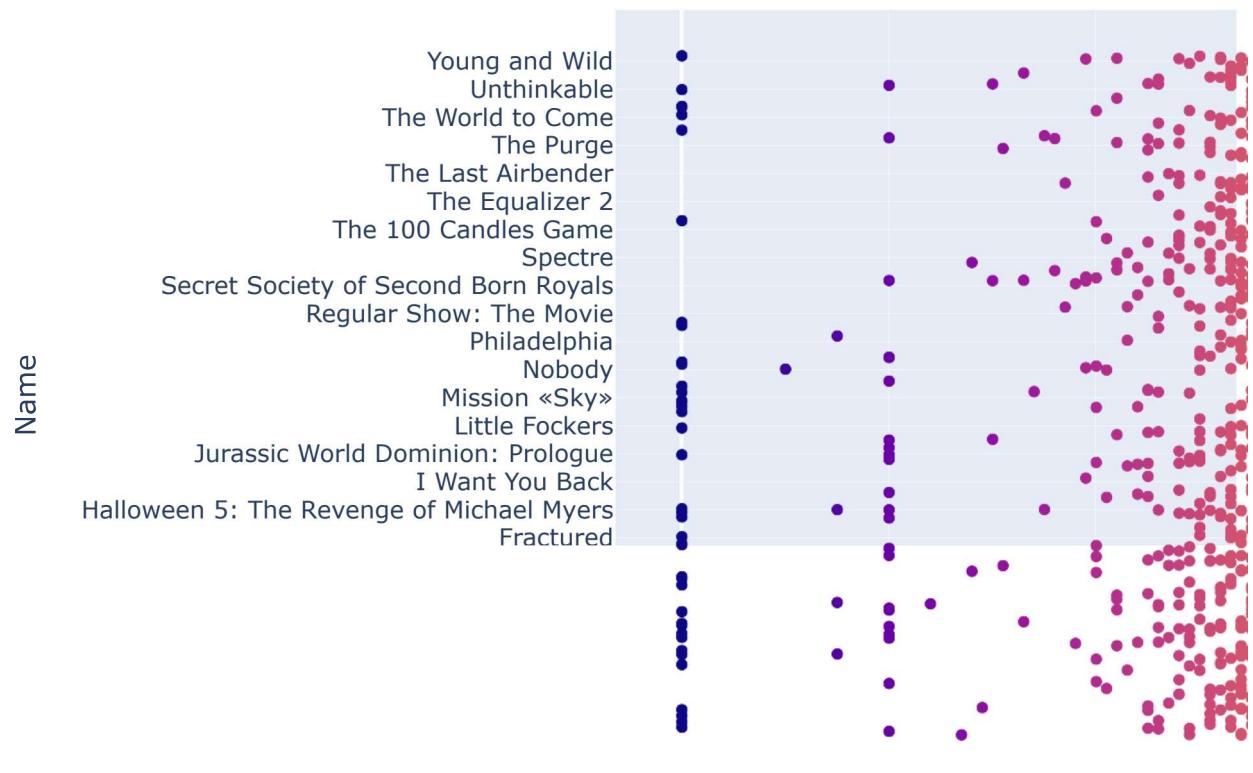
In [86]: `movie_data[movie_data['Runtime'] == '2h']`

Out[86]:

	Name	Ratings	Genere	Release date	Runtime
92	The Last Warrior: Root of Evil	72.0	Fantasy, Adventure, Comedy	01/01/2021	2h
157	Halo Legends	74.0	Animation, War, Drama	02/16/2010	2h
175	Amina	64.0	War, History, Drama	11/04/2021	2h
387	SAS: Red Notice	59.0	Drama, Action, Thriller	08/11/2021	2h
473	The Many Saints of Newark	66.0	Crime, Drama	10/01/2021	2h
640	Chappie	68.0	Crime, Action, Science Fiction	03/06/2015	2h

In [87]: `am=movie_data.groupby(['Name'])[['Ratings']].max()`

```
In [88]: px.scatter(x='Ratings', data_frame=am, color='Ratings')
```



List of ratingwise movies from 19's to 20's

```
In [89]: movie_data.groupby(['Ratings'])[['Year', 'Name', 'Director', 'Genre']].max()
```

Out[89]:

	Year	Name	Director	Genre
Ratings				
0.0	2022	¿Y cómo es él?	Yōsuke Gotō	Thriller, Fantasy, Horror
10.0	2022	Norbourg	Maxime Giroux	Thriller, Drama
15.0	2021	Please Enlighten Me	Petra Cortright	Romance
20.0	2022	Veneziafrenia	Álex de la Iglesia	TV Movie, Thriller
24.0	2021	Curious George: Cape Ahoy	Doug Murphy	Animation, Adventure, Comedy
...
86.0	2022	Violet Evergarden: The Movie	Taichi Ishidate	Drama, History, War
87.0	2021	The Shawshank Redemption	Frank Darabont	Family, Drama
88.0	2022	Ni tuyo, Ni mía	Sandra Solares	Drama
90.0	2021	Mission «Sky»	Igor Kopylov	Drama, War
100.0	2022	Virus:32	Jeff Wilson	Horror

68 rows × 4 columns

List of runtimwise movies from 19's to 20's

In [90]: `movie_data.groupby(['Runtime'])[['Year', 'Name', 'Director', 'Genre']].max()`

Out[90]:

Runtime	Year	Name	Director	Genre
0	2022	XXX	Álvaro Curiel	Thriller, Horror
10m	2012	Turkish Chick	Rodrigo Bellott	Comedy
11m	2016	The Day Naruto Became Hokage	Takashi Nakashima	Comedy, Animation, Action, Adventure
12m	2017	Boruto: Jump Festa 2016 Special	0	Animation
13m	2015	Puss in Boots: The Three Diablos	Raman Hui	Comedy
...
5m	2021	Looking Back at it All: The Dragon Ball Z Year...	Mike Thurmeier	Science Fiction, Comedy, Animation, Family, Ad...
6m	2021	The Simpsons: The Good, the Bart, and the Loki	Nathan Greno	Documentary
7m	2021	Once Upon a Snowman	Valerie LaPointe	Animation, Family, Comedy, Fantasy
8m	2015	Riley's First Date?	Josh Cooley	Animation, Family, Adventure, Comedy
9m	2021	22 vs. Earth	Kevin Nolting	Family, Comedy, Fantasy, Animation

192 rows × 4 columns

Total count of genre wise movies released in 20's

In [91]: `movie_of_Twenties['Genre'].value_counts()`

Out[91]:

Comedy	128
Drama	123
Horror	92
Horror, Thriller	70
Comedy, Romance	66
...	
Action, Comedy, Mystery, Crime	1
Comedy, Fantasy, Family, Music, Animation	1
Fantasy, Drama, War	1
Adventure, Science Fiction, TV Movie	1
Action, Drama, History, War	1

Name: Genere, Length: 1207, dtype: int64

In [92]: `movie_of_nineties.groupby(['Year', 'Months'])[['Ratings', 'Name']].max()`

Out[92]:

Year	Months	Ratings		Name
		Year	Months	
1932	4	75.0		Scarface
1933	3	76.0		King Kong
1939	8	76.0		The Wizard of Oz
1940	2	71.0		Pinocchio
	6	80.0		Gone with the Wind
...
1999	8	79.0		The Sixth Sense
	9	84.0		American History X
	10	84.0		Fight Club
	11	76.0		Toy Story 2
	12	85.0		The Green Mile

281 rows × 2 columns

In [93]: `movie_of_2020.groupby(['Year', 'Months', 'Day'])[['Ratings', 'Name']].max()`

Out[93]:

Year	Months	Day	Ratings		Name
			Year	Months	
2020	1	1	69.0		Invasion
		2	66.0		Charlie's Angels
		7	84.0		Primal: Tales of Savagery
		9	78.0		Glass Houses
		10	63.0		Underwater
...
12	15	63.0			Heks
		17	53.0		What Lies Below
		18	70.0		Monster Hunter
		21	84.0	ariana grande: excuse me, i love you	
		25	86.0		Wonder Woman 1984

127 rows × 2 columns

```
In [94]: month_of_2020_jan.groupby(['Year', 'Months', 'Day'])[['Ratings', 'Name']].max()
```

Out[94]:

Year	Months	Day	Ratings	Name
2020	1	1	69.0	Invasion
		2	66.0	Charlie's Angels
		7	84.0	Primal: Tales of Savagery
		9	78.0	Glass Houses
		10	63.0	Underwater
		16	79.0	The Heist of the Century
		17	80.0	Dolittle
		22	65.0	La Llorona
		23	77.0	Pacto de Fuga
		24	77.0	The Gentlemen
		30	64.0	La Casa
		31	85.0	Parasite

In []:

In []:

In []:

In []: