

```

import pandas as pd
import numpy as np
from sklearn.model_selection import train_test_split
from sklearn.preprocessing import LabelEncoder, StandardScaler
from sklearn.ensemble import RandomForestClassifier
from sklearn.metrics import accuracy_score, classification_report,
confusion_matrix
import matplotlib.pyplot as plt
import seaborn as sns
import warnings # Correct way to import the warnings module

# Suppress warnings
warnings.filterwarnings("ignore")

```

```
data = pd.read_csv(r"C:\Users\Neha\Downloads\Netflix (2).csv")
```

```
print(data.head())
```

```
print(data.info())
```

```
print(data.isnull().sum())
```

	Title	Genre \
0	Lets Fight Ghost	Crime, Drama, Fantasy, Horror, Romance
1	HOW TO BUILD A GIRL	Comedy
2	Centigrade	Drama, Thriller
3	ANNE+	Drama
4	Moxie	Animation, Short, Drama

	Languages	Series or Movie	Hidden Gem Score \
0	Swedish, Spanish	Series	4.3
1	English	Movie	7.0
2	English	Movie	6.4
3	Turkish	Series	7.7
4	English	Movie	8.1

	Country Availability	Runtime \
0	Thailand	< 30 minutes
1	Canada	1-2 hour
2	Canada	1-2 hour
3	Belgium,Netherlands	< 30 minutes
4	Lithuania,Poland,France,Iceland,Italy,Spain,Gr...	1-2 hour

	Director	Writer \
0	Tomas Alfredson	John Ajvide Lindqvist
1	Coky Giedroyc	Caitlin Moran
2	Brendan Walsh	Brendan Walsh, Daley Nixon
3	NaN	NaN
4	Stephen Irwin	NaN

	Actors	View Rating	IMDb
Score \			
0 Kåre Hedebrant, Per Ragnar, Lina Leandersson, ...			R
7.9			
1 Paddy Considine, Cleo, Beanie Feldstein, Dónal...			R
5.8			
2	Genesis Rodriguez, Vincent Piazza		Unrated
4.3			
3 Vahide Perçin, Gonca Vuslateri, Cansu Dere, Be...			NaN
6.5			
4	Ragga Gudrun		NaN
6.3			

	Rotten Tomatoes Score	Metacritic Score	Awards Nominated For
Boxoffice \			
0	98.0	82.0	57.0
\$2,122,065			
1	79.0	69.0	NaN
\$70,632			
2	NaN	46.0	NaN
\$16,263			
3	NaN	NaN	NaN
NaN			
4	NaN	NaN	4.0
NaN			

	Release Date	Netflix Release Date	Netflix
Link \			
0	12-Dec-08	04-03-2021	
	https://www.netflix.com/watch/81415947		
1	08-May-20	04-03-2021	
	https://www.netflix.com/watch/81041267		
2	28-Aug-20	04-03-2021	
	https://www.netflix.com/watch/81305978		
3	01-Oct-16	04-03-2021	
	https://www.netflix.com/watch/81336456		
4	22-Sep-11	04-03-2021	
	https://www.netflix.com/watch/81078393		

	IMDb Votes
0	205926.0
1	2838.0
2	1720.0
3	1147.0
4	63.0

<class 'pandas.core.frame.DataFrame'>

RangeIndex: 15483 entries, 0 to 15482

Data columns (total 20 columns):

#	Column	Non-Null Count	Dtype
---	-----	-----	-----

0	Title	9227	non-null	object
1	Genre	7886	non-null	object
2	Languages	7678	non-null	object
3	Series or Movie	9227	non-null	object
4	Hidden Gem Score	7605	non-null	float64
5	Country Availability	9216	non-null	object
6	Runtime	9227	non-null	object
7	Director	6076	non-null	object
8	Writer	6127	non-null	object
9	Actors	7735	non-null	object
10	View Rating	3999	non-null	object
11	IMDb Score	7746	non-null	float64
12	Rotten Tomatoes Score	2771	non-null	float64
13	Metacritic Score	1658	non-null	float64
14	Awards Nominated For	3770	non-null	float64
15	Boxoffice	1434	non-null	object
16	Release Date	7796	non-null	object
17	Netflix Release Date	9368	non-null	object
18	Netflix Link	9368	non-null	object
19	IMDb Votes	7745	non-null	float64

dtypes: float64(6), object(14)

memory usage: 2.4+ MB

None

Title	6256
Genre	7597
Languages	7805
Series or Movie	6256
Hidden Gem Score	7878
Country Availability	6267
Runtime	6256
Director	9407
Writer	9356
Actors	7748
View Rating	11484
IMDb Score	7737
Rotten Tomatoes Score	12712
Metacritic Score	13825
Awards Nominated For	11713
Boxoffice	14049
Release Date	7687
Netflix Release Date	6115
Netflix Link	6115
IMDb Votes	7738

dtype: int64

```
numerical_cols = data.select_dtypes(include=['float64',
'int64']).columns
data[numerical_cols] =
data[numerical_cols].fillna(data[numerical_cols].mean())
```

```

categorical_cols = data.select_dtypes(include=['object']).columns
data[categorical_cols] = data[categorical_cols].fillna('Unknown')

label_encoders = {}
for col in categorical_cols:
    le = LabelEncoder()
    data[col] = le.fit_transform(data[col])
    label_encoders[col] = le

target = 'Series or Movie'
features = data.drop(columns=[target])

X = features
y = data[target]

X_train, X_test, y_train, y_test = train_test_split(X, y,
test_size=0.2, random_state=42)

scaler = StandardScaler()
X_train = scaler.fit_transform(X_train)
X_test = scaler.transform(X_test)

model = RandomForestClassifier(random_state=42)
model.fit(X_train, y_train)

RandomForestClassifier(random_state=42)

y_pred = model.predict(X_test)

accuracy = accuracy_score(y_test, y_pred)
print(f"Accuracy: {accuracy}")
print("\nClassification Report:")
print(classification_report(y_test, y_pred))

conf_matrix = confusion_matrix(y_test, y_pred)
plt.figure(figsize=(10, 7))
sns.heatmap(conf_matrix, annot=True, fmt='d', cmap='Blues')
plt.title('Confusion Matrix')
plt.ylabel('Actual')
plt.xlabel('Predicted')
plt.show()

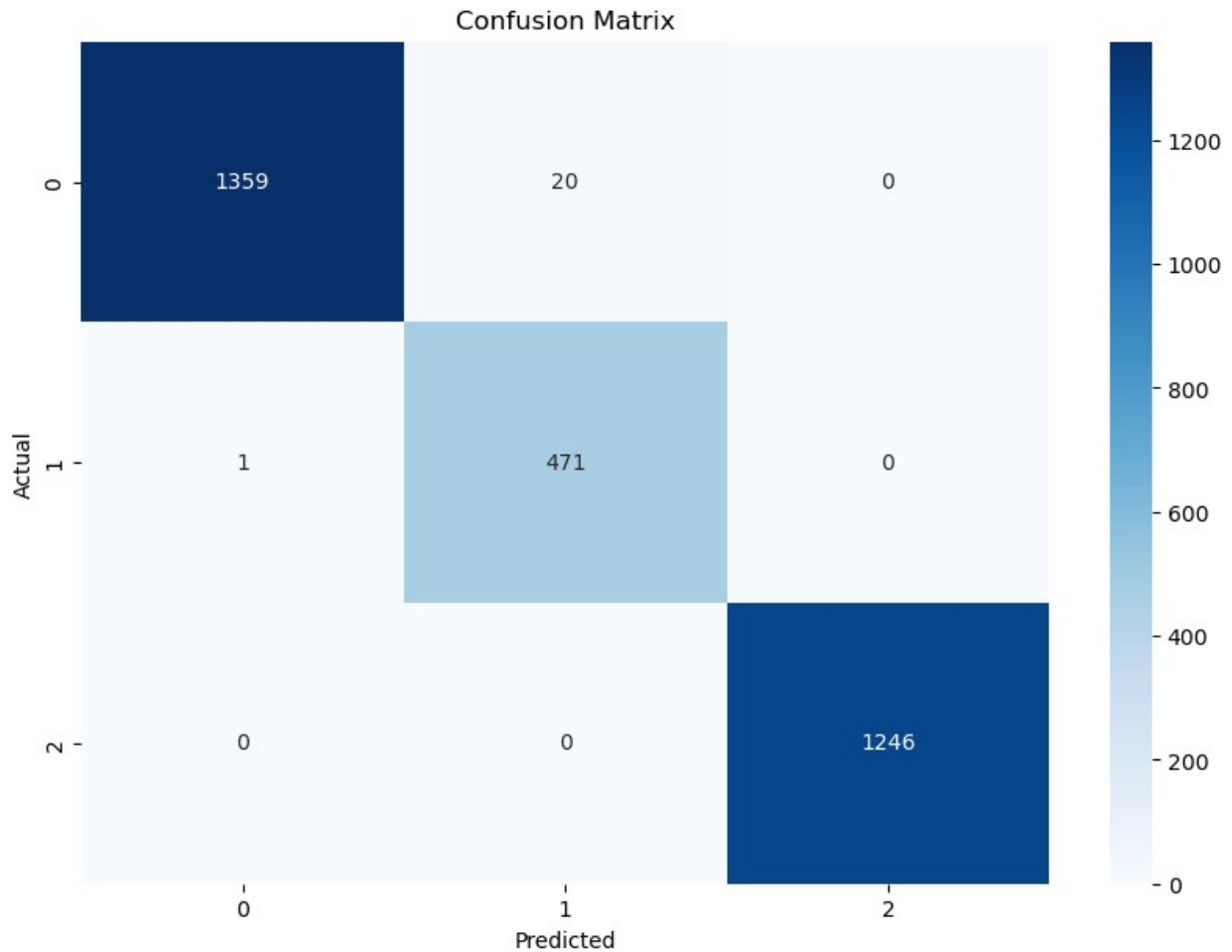
```

Accuracy: 0.9932192444300937

Classification Report:

	precision	recall	f1-score	support
0	1.00	0.99	0.99	1379
1	0.96	1.00	0.98	472
2	1.00	1.00	1.00	1246

accuracy			0.99	3097
macro avg	0.99	0.99	0.99	3097
weighted avg	0.99	0.99	0.99	3097



```
import joblib

joblib.dump(model, 'random_forest_model.pkl')
joblib.dump(scaler, 'scaler.pkl')

['scaler.pkl']

loaded_model = joblib.load('random_forest_model.pkl')
loaded_scaler = joblib.load('scaler.pkl')

sample_data = X_test[0].reshape(1, -1)
scaled_data = loaded_scaler.transform(sample_data)
prediction = loaded_model.predict(scaled_data)
```

```
print(f"Predicted Class: {prediction}")
```

```
Predicted Class: [0]
```

```
import pandas as pd
```

```
# Load the dataset
```

```
data = pd.read_csv(r"C:\Users\Neha\Downloads\Netflix (2).csv")
```

```
# Display the first few rows to confirm loading
```

```
print(data.head())
```

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	Director	Writer \
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7.9			
1	Paddy Considine, Cleo, Beanie Feldstein, Dónal...		R
5.8			
2	Genesis Rodriguez, Vincent Piazza		Unrated
4.3			
3	Vahide Perçin, Gonca Vuslateri, Cansu Dere, Be...		NaN
6.5			

4	Ragga Gudrun	NaN
6.3		

	Rotten Tomatoes Score	Metacritic Score	Awards Nominated For
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NaN			
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NaN			

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	https://www.netflix.com/watch/81336456		
4	22-Sep-11	04-03-2021	
	https://www.netflix.com/watch/81078393		

	IMDb Votes
0	205926.0
1	2838.0
2	1720.0
3	1147.0
4	63.0

#A Box-office hit film means a film which has grossed \$20,00,000. Find the number of Box-Office Hit Films.

Remove non-numeric characters from Boxoffice and convert to numeric
`data['Boxoffice'] = data['Boxoffice'].replace('[\$,]', '', regex=True).astype(float)`

Find Box-Office Hits

`box_office_hits = data[data['Boxoffice'] >= 2000000]`

Count of Box-Office Hits

`print(f"Number of Box-Office Hits: {len(box_office_hits)}")`

Number of Box-Office Hits: 764

```
#A critically acclaimed movie means a film that has IMDB rating of
atleast 8. Find the number of such films.
# Filter critically acclaimed movies
critically_acclaimed = data[data['IMDb Score'] >= 8]
```

```
# Count
print(f"Number of Critically Acclaimed Movies:
{len(critically_acclaimed)}")
```

Number of Critically Acclaimed Movies: 566

```
#Find all critically acclaimed movies which were Box-Office Hits.
# Critically acclaimed and Box-Office hits
critically_acclaimed_box_office =
critically_acclaimed[critically_acclaimed['Boxoffice'] >= 2000000]
print(critically_acclaimed_box_office)
```

	Title \
15	Joker
17	Harrys Daughters
69	Stand by Me
421	The Elephant Man
697	Me & You vs The World
865	Fiction.
1139	Girls Revenge
1218	1917
1338	Spotlight
1359	Aliens
1595	Parasite
1722	Joker
1748	Sin City
2790	2 дня
2841	Честное пионерское 2
2844	Честное пионерское 3
3633	Howl's Moving Castle
3805	Apollo 11
4008	The Biggest Little Farm
4425	Gods Little Village
4603	Three Billboards Outside Ebbing, Missouri
4765	They Shall Not Grow Old
4869	Green Book
5341	Spider-Man: Into the Spider-Verse
6187	Magnolia
6235	Dances with Wolves
6237	Casino Royale
6239	Wont You Be My Neighbor?
6635	Blade Runner: The Final Cut
6859	Alien
6931	Baahubali: The Beginning (English Version)
7098	Blade Runner 2049

7190	Wonder
8259	Aliens
8647	Monty Pythons Life of Brian
12107	NaN
12116	NaN
12138	NaN
12153	NaN
12172	NaN
12176	NaN
12177	NaN
12180	NaN

	Genre \
15	Crime, Drama, Thriller
17	Adventure, Drama, Fantasy, Mystery
69	Adventure, Drama
421	Biography, Drama
697	Biography, Crime, Drama
865	Crime, Drama
1139	Drama, Mystery, Thriller
1218	Drama, Thriller, War
1338	Biography, Crime, Drama
1359	Action, Adventure, Sci-Fi, Thriller
1595	Comedy, Drama, Thriller
1722	Crime, Drama, Thriller
1748	Crime, Thriller
2790	Action, Sci-Fi
2841	Action, Sci-Fi
2844	Animation, Adventure, Comedy, Family, Fantasy
3633	Animation, Adventure, Family, Fantasy
3805	Documentary, History
4008	Documentary
4425	Crime, Drama
4603	Comedy, Crime, Drama
4765	Documentary, History, War
4869	Biography, Comedy, Drama, Music
5341	Animation, Action, Adventure, Family, Sci-Fi
6187	Drama
6235	Adventure, Drama, Western
6237	Action, Adventure, Thriller
6239	Documentary, Biography
6635	Action, Sci-Fi, Thriller
6859	Horror, Sci-Fi
6931	Action, Drama
7098	Action, Drama, Mystery, Sci-Fi, Thriller
7190	Drama, Family
8259	Action, Adventure, Sci-Fi, Thriller
8647	Comedy
12107	NaN

12116	NaN
12138	NaN
12153	NaN
12172	NaN
12176	NaN
12177	NaN
12180	NaN
Languages Series or	
Movie \	
15	English
Movie	
17	English
Movie	
69	English
Movie	
421	English, French
Movie	
697	English, French
Movie	
865	English, Spanish, French
Movie	
1139	English
Movie	
1218	English, French, German
Movie	
1338	English
Series	
1359	English
Series	
1595	Korean, English
Movie	
1722	English
Movie	
1748	English
Movie	
2790	English, Spanish
Movie	
2841	English, Spanish
Movie	
2844	English, Spanish
Movie	
3633	Japanese
Movie	
3805	English
Movie	
4008	English, Spanish
Movie	
4425	Portuguese

Movie	
4603	English
Movie	
4765	English
Movie	
4869	English, Italian, Russian, German
Movie	
5341	English, Spanish
Movie	
6187	English, German, French
Movie	
6235	English, Sioux, Pawnee
Movie	
6237	English, Serbian, German, Italian, French
Movie	
6239	English
Movie	
6635	English, German, Cantonese, Japanese, Hungaria...
Movie	
6859	English
Movie	
6931	Telugu, Tamil, Hindi
Movie	
7098	English, Finnish, Japanese, Hungarian, Russian...
Movie	
7190	English
Movie	
8259	English
Movie	
8647	English, Latin
Movie	
12107	NaN
NaN	
12116	NaN
NaN	
12138	NaN
NaN	
12153	NaN
NaN	
12172	NaN
NaN	
12176	NaN
NaN	
12177	NaN
NaN	
12180	NaN
NaN	
Hidden Gem Score	
Country	

Availability \		
15	3.5	
Lithuania, Poland, France, Italy, Spain, Greece, Bel...		
17	4.4	
Lithuania, Poland, France, Italy, Spain, Greece, Cze...		
69	4.1	South
Korea		
421	4.2	
Belgium, France		
697	4.2	
Singapore, Thailand		
865	4.6	
Thailand, Singapore, Malaysia		
1139	4.1	Lithuania, United Kingdom, Russia, United States, ...
1218	4.2	Czech
Republic, Slovakia, Hungary, Romania		
1338	4.5	
Switzerland, Germany		
1359	4.4	United
Kingdom		
1595	4.7	
Thailand, Argentina, Mexico, Japan, Colombia		
1722	3.5	
Japan, Sweden		
1748	3.9	Lithuania, Greece, Switzerland, United Kingdom, Ru...
2790	4.2	
Russia		
2841	4.2	
Russia		
2844	4.5	
Russia		
3633	4.2	Hong Kong, South Korea, Russia, India, Hungary, Por...
3805	4.5	
Russia, Sweden, Portugal, Canada		
4008	6.3	
Canada, Argentina, Mexico, Colombia		
4425	4.3	
Poland		
4603	4.3	
Germany, Switzerland		
4765	4.6	Canada, India, Thailand, Singapore, Hong Kong, Mala...
4869	3.8	
Hungary, Spain, Sweden, Turkey, Australia, Malaysia		
5341	4.5	South Africa, Poland, Czech Republic, Spain, Unite...

6187	4.0	Russia, South	
Africa, Israel, India			
6235	3.9		United
States			
6237	4.2		United
States			
6239	4.4	Hungary, Hong Kong, Thailand, Czech	
Republic, Sout...			
6635	4.2		
France, Belgium, Switzerland, Canada, Italy, Austra...			
6859	4.5		
Switzerland, Germany			
6931	4.2	Russia, India, Czech	
Republic, Hungary, Lithuania, ...			
7098	4.2	Romania, Switzerland, South	
Korea, Belgium, Brazil...			
7190	3.9	Japan, Hong	
Kong, Hungary, Romania, Belgium, Canada...			
8259	4.4	Hong Kong, South	
Korea, Switzerland, Thailand, Ger...			
8647	4.2	Hong Kong, Australia, Germany, Czech	
Republic, Rus...			
12107	NaN		
NaN			
12116	NaN		
NaN			
12138	NaN		
NaN			
12153	NaN		
NaN			
12172	NaN		
NaN			
12176	NaN		
NaN			
12177	NaN		
NaN			
12180	NaN		
NaN			
Runtime		Director	
\			
15	1-2 hour		Todd Phillips
17	1-2 hour		David Yates
69	1-2 hour		Rob Reiner
421	> 2 hrs		David Lynch
697	1-2 hour		Steven Spielberg

865	1-2 hour	Quentin Tarantino
1139	1-2 hour	David Fincher
1218	1-2 hour	Sam Mendes
1338	< 30 minutes	Tom McCarthy
1359	< 30 minutes	James Cameron
1595	> 2 hrs	Bong Joon Ho
1722	> 2 hrs	Todd Phillips
1748	1-2 hour	Robert Rodriguez, Quentin Tarantino, Frank Miller
2790	1-2 hour	James Cameron
2841	1-2 hour	James Cameron
2844	1-2 hour	Lee Unkrich
3633	1-2 hour	Hayao Miyazaki
3805	1-2 hour	Todd Douglas Miller
4008	1-2 hour	John Chester
4425	1-2 hour	Kátia Lund, Fernando Meirelles
4603	1-2 hour	Martin McDonagh
4765	1-2 hour	Peter Jackson
4869	> 2 hrs	Peter Farrelly
5341	1-2 hour	Peter Ramsey, Bob Persichetti, Rodney Rothman
6187	> 2 hrs	Paul Thomas Anderson
6235	> 2 hrs	Kevin Costner
6237	> 2 hrs	Martin Campbell
6239	1-2 hour	Morgan Neville
6635	1-2 hour	Ridley Scott
6859	1-2 hour	Ridley Scott
6931	> 2 hrs	S.S. Rajamouli

7098	> 2 hrs	Denis Villeneuve
7190	1-2 hour	Stephen Chbosky
8259	> 2 hrs	James Cameron
8647	1-2 hour	Terry Jones
12107	NaN	NaN
12116	NaN	NaN
12138	NaN	NaN
12153	NaN	NaN
12172	NaN	NaN
12176	NaN	NaN
12177	NaN	NaN
12180	NaN	NaN
Writer \		
15	Scott Silver, Jerry Robinson, Todd Phillips, B...	
17	Steve Kloves, J.K. Rowling	
69	Bruce A. Evans, Stephen King, Raynold Gideon	
421	Christopher De Vore, David Lynch, Ashley Monta...	
697	Jeff Nathanson, Stan Redding, Frank Abagnale Jr.	
865	Quentin Tarantino, Roger Avary	
1139	Gillian Flynn	
1218	Krysty Wilson-Cairns, Sam Mendes	
1338	Josh Singer, Tom McCarthy	
1359	James Cameron, David Giler, Ronald Shusett, Wa...	
1595	Bong Joon Ho, Jin-won Han	
1722	Scott Silver, Jerry Robinson, Todd Phillips, B...	
1748	Robert Rodriguez, Frank Miller	
2790	James Cameron, William Wisher	
2841	James Cameron, William Wisher	
2844	Michael Arndt, Andrew Stanton, Lee Unkrich, Jo...	
3633	Diana Wynne Jones, Hayao Miyazaki	
3805	NaN	
4008	Mark Monroe, John Chester	
4425	Bráulio Mantovani, Paulo Lins	
4603	Martin McDonagh	
4765	Esat Ozcan	
4869	Nick Vallelonga, Brian Hayes Currie, Peter Far...	
5341	Phil Lord, Rodney Rothman	

6187	Paul Thomas Anderson
6235	Michael Blake
6237	Neal Purvis, Paul Haggis, Ian Fleming, Robert ...
6239	NaN
6635	Hampton Fancher, Philip K. Dick, David Webb Pe...
6859	Ronald Shusett, Dan O'Bannon
6931	S.S. Rajamouli, Ajay Kumar, C.H. Vijay Kumar, ...
7098	Hampton Fancher, Philip K. Dick, Michael Green
7190	Jack Thorne, Stephen Chbosky, R.J. Palacio, St...
8259	James Cameron, David Giler, Ronald Shusett, Wa...
8647	Michael Palin, Terry Jones, Graham Chapman, Te...
12107	NaN
12116	NaN
12138	NaN
12153	NaN
12172	NaN
12176	NaN
12177	NaN
12180	NaN

Actors View

Rating \		
15	Joaquin Phoenix, Zazie Beetz, Robert De Niro, ...	R
17	Ralph Fiennes, Alan Rickman, Michael Gambon, D...	PG-13
69	Jerry O'Connell, Wil Wheaton, River Phoenix, C...	R
421	Anthony Hopkins, John Hurt, John Gielgud, Anne...	PG
697	Martin Sheen, Leonardo DiCaprio, Christopher W...	PG-13
865	Tim Roth, Amanda Plummer, Laura Lovelace, John...	R
1139	Ben Affleck, Neil Patrick Harris, Rosamund Pik...	R
1218	George MacKay, Dean-Charles Chapman, Daniel Ma...	R
1338	Liev Schreiber, Rachel McAdams, Mark Ruffalo, ...	R
1359	Sigourney Weaver, Paul Reiser, Carrie Henn, Mi...	R
1595	Yeo-jeong Cho, Lee Sun-kyun, Kang-ho Song, Cho...	R
1722	Joaquin Phoenix, Zazie Beetz, Robert De Niro, ...	R
1748	Jessica Alba, Devon Aoki, Powers Boothe, Alexi...	R
2790	Arnold Schwarzenegger, Robert Patrick, Linda H...	R
2841	Arnold Schwarzenegger, Robert Patrick, Linda H...	R

2844	Joan Cusack, Ned Beatty, Tim Allen, Tom Hanks	G
3633	Tatsuya Gashûin, Takuya Kimura, Chieko Baishô,...	PG
3805	Buzz Aldrin, Neil Armstrong, Deke Slayton, Mic...	G
4008	Molly Chester, Matthew Pilachowski, John Chest...	PG
4425	Leandro Firmino, Douglas Silva, Phellipe Haage...	R
4603	Caleb Landry Jones, Kerry Condon, Sam Rockwell...	R
4765	Attwood, John Ashby, William Argent, Thomas Adlam	R
4869	Linda Cardellini, Mahershala Ali, Sebastian Ma...	PG-13
5341	Mahershala Ali, Jake Johnson, Shameik Moore, H...	PG
6187	Neil Flynn, Pat Healy, Mark Flanagan, Geneviev...	R
6235	Rodney A. Grant, Kevin Costner, Mary McDonnell...	PG-13
6237	Mads Mikkelsen, Judi Dench, Daniel Craig, Eva ...	PG-13
6239	Joanne Rogers, John Rogers, Fred Rogers, Jim R...	PG-13
6635	Sean Young, Edward James Olmos, Rutger Hauer, ...	R
6859	Sigourney Weaver, Veronica Cartwright, Harry D...	R
6931	Rana Daggubati, Prabhas, Ramya Krishnan, Sathy...	Not Rated
7098	Robin Wright, Dave Bautista, Ryan Gosling, Mar...	R
7190	Jacob Tremblay, Izabela Vidovic, Owen Wilson, ...	PG
8259	Sigourney Weaver, Paul Reiser, Carrie Henn, Mi...	R
8647	Terry Gilliam, Graham Chapman, Eric Idle, John...	R
12107		NaN NaN
12116		NaN NaN
12138		NaN NaN
12153		NaN NaN
12172		NaN NaN
12176		NaN NaN

12177			NaN	NaN
12180			NaN	NaN
	IMDb Score	Rotten Tomatoes Score	Metacritic Score	\
15	8.4	68.0	59.0	
17	8.1	96.0	85.0	
69	8.1	91.0	75.0	
421	8.1	92.0	78.0	
697	8.1	96.0	75.0	
865	8.9	92.0	94.0	
1139	8.1	87.0	79.0	
1218	8.3	89.0	78.0	
1338	8.1	97.0	93.0	
1359	8.3	97.0	84.0	
1595	8.6	98.0	96.0	
1722	8.4	68.0	59.0	
1748	8.0	77.0	74.0	
2790	8.5	93.0	75.0	
2841	8.5	93.0	75.0	
2844	8.2	98.0	92.0	
3633	8.2	87.0	80.0	
3805	8.2	99.0	88.0	
4008	8.1	91.0	73.0	
4425	8.6	91.0	79.0	
4603	8.1	90.0	88.0	
4765	8.3	99.0	91.0	
4869	8.2	78.0	69.0	
5341	8.4	97.0	87.0	
6187	8.0	83.0	77.0	
6235	8.0	83.0	72.0	
6237	8.0	94.0	80.0	
6239	8.4	97.0	85.0	
6635	8.1	90.0	84.0	
6859	8.4	98.0	89.0	
6931	8.0	89.0	NaN	
7098	8.0	88.0	81.0	
7190	8.0	85.0	66.0	
8259	8.3	97.0	84.0	
8647	8.1	95.0	77.0	
12107	8.2	74.0	72.0	
12116	8.2	88.0	65.0	
12138	8.3	92.0	84.0	
12153	8.4	95.0	85.0	
12172	8.0	98.0	92.0	
12176	8.0	96.0	72.0	
12177	8.3	98.0	86.0	
12180	8.3	97.0	100.0	

Date	Awards Nominated For \	Boxoffice	Release Date	Netflix Release
15 2021	228.0	335451311.0	04-Oct-19	03-03-
17 2021	94.0	381409310.0	15-Jul-11	03-03-
69 2021	11.0	52287414.0	22-Aug-86	28-02-
421 2021	22.0	26010864.0	10-Oct-80	01-01-
697 2020	46.0	164615351.0	25-Dec-02	12-12-
865 2020	75.0	107928762.0	14-Oct-94	01-12-
1139 2020	187.0	167767189.0	03-Oct-14	07-11-
1218 2020	180.0	159227644.0	10-Jan-20	01-11-
1338 2020	143.0	45055776.0	20-Nov-15	03-10-
1359 2020	23.0	85160248.0	18-Jul-86	01-10-
1595 2020	262.0	53369749.0	08-Nov-19	03-09-
1722 2020	228.0	335451311.0	04-Oct-19	08-08-
1748 2020	54.0	74103820.0	01-Apr-05	05-08-
2790 2020	33.0	205881154.0	03-Jul-91	04-11-
2841 2020	33.0	205881154.0	03-Jul-91	14-10-
2844 2020	95.0	415004880.0	18-Jun-10	14-10-
3633 2020	20.0	5576743.0	17-Jun-05	31-03-
3805 2020	42.0	9039891.0	01-Mar-19	01-03-
4008 2020	28.0	4366949.0	10-May-19	20-01-
4425 2019	49.0	7564459.0	13-Feb-04	29-11-
4603 2019	225.0	54513740.0	01-Dec-17	01-11-
4765 2019	11.0	17956913.0	01-Feb-19	10-10-
4869 2019	119.0	85080171.0	16-Nov-18	26-09-

5341	55.0	190241310.0	14-Dec-18	28-06-
2019				
6187	59.0	22455976.0	07-Jan-00	15-02-
2019				
6235	38.0	184208848.0	21-Nov-90	01-02-
2019				
6237	44.0	167445960.0	17-Nov-06	01-02-
2019				
6239	32.0	22835787.0	29-Jun-18	01-02-
2019				
6635	19.0	32868943.0	25-Jun-82	06-12-
2018				
6859	22.0	81900459.0	22-Jun-79	01-11-
2018				
6931	16.0	6738000.0	09-Jul-15	24-10-
2018				
7098	154.0	92054159.0	06-Oct-17	01-10-
2018				
7190	29.0	132422809.0	17-Nov-17	26-09-
2018				
8259	23.0	85160248.0	18-Jul-86	20-07-
2018				
8647	NaN	20206622.0	17-Aug-79	14-04-
2018				
12107	69.0	170742341.0	04-Jan-02	01-09-
2015				
12116	22.0	197171806.0	24-May-89	01-09-
2015				
12138	11.0	60405931.0	12-May-68	01-09-
2015				
12153	24.0	248159971.0	12-Jun-81	01-09-
2015				
12172	17.0	24438411.0	25-Aug-39	01-09-
2015				
12176	17.0	71073420.0	12-Feb-93	01-09-
2015				
12177	11.0	11487676.0	10-Feb-82	01-09-
2015				
12180	14.0	45306425.0	11-Dec-62	01-09-
2015				

	Netflix Link	IMDb Votes
15	https://www.netflix.com/watch/81382215	951938.0
17	https://www.netflix.com/watch/81382102	766594.0
69	https://www.netflix.com/watch/80995482	364302.0
421	https://www.netflix.com/watch/60011111	220688.0
697	https://www.netflix.com/watch/81324866	837936.0
865	https://www.netflix.com/watch/81342987	1831004.0
1139	https://www.netflix.com/watch/81310261	863582.0

1218	https://www.netflix.com/watch/81140931	430438.0
1338	https://www.netflix.com/watch/81318955	422721.0
1359	https://www.netflix.com/watch/81297471	654147.0
1595	https://www.netflix.com/watch/81221938	566337.0
1722	https://www.netflix.com/watch/81092221	951938.0
1748	https://www.netflix.com/watch/81270772	739118.0
2790	https://www.netflix.com/watch/81334034	996880.0
2841	https://www.netflix.com/watch/81335934	996880.0
2844	https://www.netflix.com/watch/81335930	758769.0
3633	https://www.netflix.com/watch/70028883	335164.0
3805	https://www.netflix.com/watch/81078076	22107.0
4008	https://www.netflix.com/watch/81031829	5572.0
4425	https://www.netflix.com/watch/81193015	700405.0
4603	https://www.netflix.com/watch/80187206	436020.0
4765	https://www.netflix.com/watch/81048455	29612.0
4869	https://www.netflix.com/watch/81013585	382033.0
5341	https://www.netflix.com/watch/81002747	379220.0
6187	https://www.netflix.com/watch/60000440	290583.0
6235	https://www.netflix.com/watch/60028940	240656.0
6237	https://www.netflix.com/watch/70044604	582997.0
6239	https://www.netflix.com/watch/80231412	23319.0
6635	https://www.netflix.com/watch/70082907	695428.0
6859	https://www.netflix.com/watch/60029356	789742.0
6931	https://www.netflix.com/watch/80205231	103192.0
7098	https://www.netflix.com/watch/80185760	463964.0
7190	https://www.netflix.com/watch/80147986	143023.0
8259	https://www.netflix.com/watch/60029358	654147.0
8647	https://www.netflix.com/watch/699257	367934.0
12107	https://www.netflix.com/watch/60021793	852357.0
12116	https://www.netflix.com/watch/60010487	693446.0
12138	https://www.netflix.com/watch/207856	604652.0
12153	https://www.netflix.com/watch/60011649	885825.0
12172	https://www.netflix.com/watch/70039535	372058.0
12176	https://www.netflix.com/watch/563104	580985.0
12177	https://www.netflix.com/watch/319867	231798.0
12180	https://www.netflix.com/watch/70012020	269166.0

#Find all critically acclaimed movies which has received at least 5 awards. Order them according to the number of awards.

Critically acclaimed with at least 5 awards

```
critically_acclaimed_awards =
critically_acclaimed[critically_acclaimed['Awards Nominated For'] >=
5]
```

Order by number of awards

```
critically_acclaimed_awards_sorted =
critically_acclaimed_awards.sort_values(by='Awards Nominated For',
ascending=False)
print(critically_acclaimed_awards_sorted)
```

		Title \
327		Sesame Street
1595		Parasite
15		Joker
1722		Joker
1904		Downton Abbey
...		...
6919		Pinocchio
3364		Black Cat, White Cat
6338		Kaguya-sama: Love Is War
4084		Cheer
5858		Fruits Basket
		Genre \
327		Animation, Adventure, Comedy, Family, Fantasy,...
1595		Comedy, Drama, Thriller
15		Crime, Drama, Thriller
1722		Crime, Drama, Thriller
1904		Drama, Romance
...		...
6919		Drama, Romance
3364		Comedy, Crime, Romance
6338		Animation, Comedy, Romance
4084		Documentary, Reality-TV
5858		Animation, Comedy, Drama, Fantasy, Romance
		Languages Series or Movie \
327		English, Spanish, American Sign Language Series
1595		Korean, English Movie
15		English Movie
1722		English Movie
1904		English Movie
...		...
6919		Korean Series
3364		Romany, Serbian, Bulgarian Movie
6338		Japanese Series
4084		English Series
5858		Japanese, English Series
Hidden Gem Score		Country
Availability \		
327	4.0	
Australia		
1595	4.7	
Thailand, Argentina, Mexico, Japan, Colombia		
15	3.5	
Lithuania, Poland, France, Italy, Spain, Greece, Bel...		
1722	3.5	
Japan, Sweden		
1904	4.3	South

Korea
 ...
 ...
 6919 6.5
 Russia,India,Lithuania,Belgium,Romania,United ...
 3364 4.0
 France
 6338 6.9 Japan,South
 Korea,Thailand,Singapore,India,Mal...
 4084 7.0 Romania,Brazil,Mexico,Israel,United
 Kingdom,Gr...
 5858 8.3 Japan,Hong
 Kong,Thailand,Singapore,India,Malaysia

	Runtime	Director \
327	< 30 minutes	NaN
1595	> 2 hrs	Bong Joon Ho
15	1-2 hour	Todd Phillips
1722	> 2 hrs	Todd Phillips
1904	> 2 hrs	NaN
...
6919	< 30 minutes	NaN
3364	> 2 hrs	Emir Kusturica
6338	< 30 minutes	NaN
4084	< 30 minutes	NaN
5858	< 30 minutes	NaN

	Writer \
327	NaN
1595	Bong Joon Ho, Jin-won Han
15	Scott Silver, Jerry Robinson, Todd Phillips, B...
1722	Scott Silver, Jerry Robinson, Todd Phillips, B...
1904	Julian Fellowes
...	...
6919	NaN
3364	Gordan Mihic
6338	NaN
4084	NaN
5858	NaN

	Actors	View	Rating \
327	Jerry Nelson, Carroll Spinney, Frank Oz, Sonia ...		TV-Y
1595	Yeo-jeong Cho, Lee Sun-kyun, Kang-ho Song, Cho...		R
15	Joaquin Phoenix, Zazie Beetz, Robert De Niro, ...		R
1722	Joaquin Phoenix, Zazie Beetz, Robert De Niro, ...		R
1904	Brendan Coyle, Jim Carter, Laura Carmichael, H...		TV-PG
...
6919	Kim Hae-sook, Park Shin-Hye, Lee Jong-Suk, Byu...		TV-14
3364	Florijan Ajdini, Srdjan 'Zika' Todorovic, Bran...		R
6338	Yutaka Aoyama, Aoi Koga, Konomi Kohara, Makoto...		TV-PG

4084	Jerry Harris, Gabi Butler, Lexi Brumback, Moni...	TV-MA
5858	Yûichi Nakamura, Nobunaga Shimazaki, Manaka Iw...	TV-14

	IMDb Score	Rotten Tomatoes Score	Metacritic Score	\
327	8.1	NaN	NaN	
1595	8.6	98.0	96.0	
15	8.4	68.0	59.0	
1722	8.4	68.0	59.0	
1904	8.7	NaN	NaN	
...	
6919	8.1	NaN	NaN	
3364	8.1	83.0	73.0	
6338	8.4	NaN	NaN	
4084	8.1	NaN	NaN	
5858	8.4	NaN	NaN	

	Awards Nominated For	Boxoffice	Release Date	Netflix Release
Date \				
327	317.0	NaN	21-Jul-69	16-01-
2021				
1595	262.0	53369749.0	08-Nov-19	03-09-
2020				
15	228.0	335451311.0	04-Oct-19	03-03-
2021				
1722	228.0	335451311.0	04-Oct-19	08-08-
2020				
1904	226.0	NaN	09-Jan-11	17-07-
2020				
...	
...				
6919	5.0	NaN	12-Nov-14	26-10-
2018				
3364	5.0	351447.0	01-Jun-98	04-05-
2020				
6338	5.0	NaN	12-Jan-19	18-01-
2019				
4084	5.0	NaN	08-Jan-20	08-01-
2020				
5858	5.0	NaN	05-Apr-19	10-04-
2019				

	Netflix Link	IMDb Votes
327	https://www.netflix.com/watch/70172455	12092.0
1595	https://www.netflix.com/watch/81221938	566337.0
15	https://www.netflix.com/watch/81382215	951938.0
1722	https://www.netflix.com/watch/81092221	951938.0
1904	https://www.netflix.com/watch/81086533	163856.0
...
6919	https://www.netflix.com/watch/80999060	5025.0
3364	https://www.netflix.com/watch/60000681	51036.0

6338	https://www.netflix.com/watch/81061754	4548.0
4084	https://www.netflix.com/watch/81039393	4016.0
5858	https://www.netflix.com/watch/80987063	1848.0

[172 rows x 20 columns]

```
#Find all critically acclaimed tv series for United States.
# Filter for TV series with IMDb Score >= 8 and available in the
United States
```

```
critically_acclaimed_tv_us = data[
    (data['Series or Movie'] == 'Series') &
    (data['IMDb Score'] >= 8) &
    (data['Country Availability'].str.contains('United States'))
]
print(critically_acclaimed_tv_us)
```

	Title \
106	The Last Bastion
224	Kid Cosmic
248	The House Arrest of Us
403	Headspace Guide to Meditation
431	Running Man
...	...
9048	Comedians in Cars Getting Coffee
9050	The End of the F***ing World
9163	March Comes in Like a Lion
9182	A Korean Odyssey
9204	The Toys That Made Us

	Genre	Languages \
106	Drama, History, War	English
224	Animation, Action, Adventure, Comedy, Family, ...	NaN
248	Comedy, Romance	Filipino
403	Documentary, Animation	English
431	Comedy, Game-Show, Reality-TV	Korean
...
9048	Comedy, Talk-Show	English
9050	Adventure, Comedy, Crime, Drama, Romance, Thri...	English
9163	Animation, Comedy, Drama	Japanese
9182	Comedy, Fantasy, Horror, Romance	Korean
9204	Documentary, Comedy, History	English

	Series or Movie	Hidden Gem Score \
106	Series	9.2
224	Series	9.0
248	Series	9.1
403	Series	8.9
431	Series	8.2
...
9048	Series	4.0

9050	Series	4.0
9163	Series	8.4
9182	Series	7.5
9204	Series	6.6

	Country Availability	Runtime
\		
106	Spain,Mexico,Argentina,Brazil,Colombia,United ...	< 30 minutes
224	Lithuania,Poland,France,Iceland,Italy,Spain,Gr...	< 30 minutes
248	Lithuania,Poland,France,Iceland,Italy,Spain,Gr...	< 30 minutes
403	France,Poland,Iceland,Italy,Spain,Greece,Czech...	< 30 minutes
431	Poland,Italy,Spain,Greece,Czech Republic,Belgi...	< 30 minutes
...
9048	United Kingdom,Australia,France,Germany,Russia...	< 30 minutes
9050	Lithuania,United Kingdom,Australia,France,Germ...	< 30 minutes
9163	France,Czech Republic,Poland,Russia,Sweden,Hun...	< 30 minutes
9182	Lithuania,United Kingdom,Australia,Singapore,C...	< 30 minutes
9204	Brazil,Spain,United Kingdom,Germany,France,Can...	< 30 minutes

	Director	Writer \
106	NaN	NaN
224	NaN	Craig McCracken, Francisco Angones, Lauren Faust
248	NaN	NaN
403	NaN	NaN
431	NaN	NaN
...
9048	NaN	Jerry Seinfeld
9050	NaN	Jonathan Entwistle
9163	NaN	NaN
9182	NaN	NaN
9204	NaN	NaN

	Actors	View Rating \
106	Ron Blanchard, Colin McEwan, Bill Hunter, Phil...	NaN
224	Tom Kenny, Lily Rose Silver, Keith Ferguson, A...	TV-Y7
248	Ruffa Gutierrez, Herbert Bautista, Kathryn Ber...	TV-PG
403	Andy Puddicombe	TV-G
431	Jong-Kook Kim, Jae-Suk Yoo, Haha, Kwang-Soo Lee	TV-14
...
9048	Jerry Seinfeld	TV-14

9050	Jessica Barden, Steve Oram, Christine Bottomle...	TV-MA
9163	Kengo Kawanishi, Khoi Dao, Kana Hanazawa, Ai K...	TV-PG
9182	Hong-ki Lee, Yeon-Seo Oh, Lee Seung-gi, Seung-...	NaN
9204	Donald Ian Black	TV-14

	IMDb Score	Rotten Tomatoes Score	Metacritic Score \
106	8.5	NaN	NaN
224	8.3	NaN	NaN
248	8.3	NaN	NaN
403	8.6	NaN	NaN
431	9.0	NaN	NaN
...
9048	8.1	NaN	NaN
9050	8.1	NaN	NaN
9163	8.4	NaN	NaN
9182	8.1	NaN	NaN
9204	8.1	NaN	NaN

	Awards Nominated For	Boxoffice	Release Date	Netflix Release
Date \				
106	NaN	NaN	06-Nov-84	25-02-
2021				
224	NaN	NaN	02-Feb-21	03-02-
2021				
248	NaN	NaN	24-Oct-20	01-02-
2021				
403	NaN	NaN	01-Jan-21	01-01-
2021				
431	4.0	NaN	11-Jul-10	01-01-
2021				
...
.				
9048	11.0	NaN	19-Jul-12	05-01-
2018				
9050	15.0	NaN	24-Oct-17	05-01-
2018				
9163	6.0	NaN	08-Oct-16	29-12-
2017				
9182	NaN	NaN	23-Dec-17	29-12-
2017				
9204	NaN	NaN	22-Dec-17	22-12-
2017				

	Netflix Link	IMDb Votes
106	https://www.netflix.com/watch/81302679	60.0
224	https://www.netflix.com/watch/80244340	359.0
248	https://www.netflix.com/watch/81372442	10.0
403	https://www.netflix.com/watch/81280926	819.0
431	https://www.netflix.com/watch/81331228	2606.0
...

```

9048 https://www.netflix.com/watch/80171362 11079.0
9050 https://www.netflix.com/watch/80175722 146188.0
9163 https://www.netflix.com/watch/80196657 1661.0
9182 https://www.netflix.com/watch/80214405 3093.0
9204 https://www.netflix.com/watch/80161497 4877.0

```

```
[193 rows x 20 columns]
```

#IMDB Rating is based on IMDB Votes. Find all films which inspite of receiving at least. 100 votes did not receive any award.

Filter for movies with at least 100 votes and no awards

```

no_awards_movies = data[
    (data['IMDb Votes'] >= 100) &
    (data['Awards Nominated For'].isnull())
]
print(no_awards_movies)

```

	Title	Genre	Languages	Series or Movie
1	HOW TO BUILD A GIRL	Comedy	English	Movie
2	Centigrade	Drama, Thriller	English	Movie
3	ANNE+	Drama	Turkish	Series
5	The Con-Heartist	Comedy, Romance	Thai	Movie
7	Instynkt	Crime	Polish	Series
...
12211	NaN	NaN	NaN	NaN
12215	NaN	NaN	NaN	NaN
12223	NaN	NaN	NaN	NaN
12227	NaN	NaN	NaN	NaN
12230	NaN	NaN	NaN	NaN

	Hidden Gem Score	Country Availability	Runtime
Director \			
1	7.0	Canada	1-2 hour Coky
Giedroyc			
2	6.4	Canada	1-2 hour Brendan
Walsh			
3	7.7	Belgium,Netherlands	< 30 minutes
NaN			
5	8.6	Thailand	> 2 hrs Mez

Tharatorn			
7	6.9	Poland	< 30 minutes
NaN			
...
...			
12211	NaN	NaN	NaN
NaN			
12215	NaN	NaN	NaN
NaN			
12223	NaN	NaN	NaN
NaN			
12227	NaN	NaN	NaN
NaN			
12230	NaN	NaN	NaN
NaN			
Writer \			
1		Caitlin Moran	
2		Brendan Walsh, Daley Nixon	
3		NaN	
5	Pattaranad Bhiboonsawade, Thodsapon Thiptinnak...		
7		NaN	
...		...	
12211		NaN	
12215		NaN	
12223		NaN	
12227		NaN	
12230		NaN	
Actors View			
Rating \			
1	Paddy Considine, Cleo, Beanie Feldstein, Dónal...		R
2	Genesis Rodriguez, Vincent Piazza		Unrated
3	Vahide Perçin, Gonca Vuslateri, Cansu Dere, Be...		NaN
5	Thiti Mahayotaruk, Nadech Kugimiya, Kathaleeya...		NaN
7	Pawel Królikowski, Szymon Bobrowski, Danuta St...		NaN
...	
12211		NaN	NaN
12215		NaN	NaN
12223		NaN	NaN
12227		NaN	NaN

12230					NaN	NaN
-------	--	--	--	--	-----	-----

	IMDb Score	Rotten Tomatoes Score	Metacritic Score \
1	5.8	79.0	69.0
2	4.3	NaN	46.0
3	6.5	NaN	NaN
5	7.4	NaN	NaN
7	3.9	NaN	NaN
...
12211	6.8	NaN	NaN
12215	4.1	9.0	20.0
12223	4.7	14.0	37.0
12227	6.9	NaN	NaN
12230	7.2	NaN	NaN

Date \	Awards Nominated For	Boxoffice	Release Date	Netflix Release
1 2021	NaN	70632.0	08-May-20	04-03-
2 2021	NaN	16263.0	28-Aug-20	04-03-
3 2021	NaN	NaN	01-Oct-16	04-03-
5 2021	NaN	NaN	03-Dec-20	03-03-
7 2021	NaN	NaN	03-Mar-11	03-03-
...
...				
12211 2015	NaN	NaN	23-Nov-13	07-08-
12215 2015	NaN	NaN	10-Feb-15	05-08-
12223 2015	NaN	NaN	03-Apr-15	02-08-
12227 2015	NaN	NaN	30-Jun-17	02-08-
12230 2015	NaN	NaN	15-Dec-14	02-08-

	Netflix Link	IMDb Votes
1	https://www.netflix.com/watch/81041267	2838.0
2	https://www.netflix.com/watch/81305978	1720.0
3	https://www.netflix.com/watch/81336456	1147.0
5	https://www.netflix.com/watch/81306155	131.0
7	https://www.netflix.com/watch/81307482	107.0
...
12211	https://www.netflix.com/watch/80040329	546.0

12215	https://www.netflix.com/watch/70113527	7858.0
12223	https://www.netflix.com/watch/70309252	801.0
12227	https://www.netflix.com/watch/80063655	378.0
12230	https://www.netflix.com/watch/80063733	308.0

[3021 rows x 20 columns]

#A popular film means it is released at Netflix platforms within 1 year. Find all Films which were released in Netflix within 2 years of actual release.

Convert dates to datetime

```
data['Release Date'] = pd.to_datetime(data['Release Date'],
errors='coerce')
```

```
data['Netflix Release Date'] = pd.to_datetime(data['Netflix Release
Date'], errors='coerce')
```

Calculate difference in years

```
data['Release Difference (Years)'] = (data['Netflix Release Date'] -
data['Release Date']).dt.days / 365
```

Filter popular films

```
popular_films = data[
    (data['Release Difference (Years)'] <= 2) &
    (data['Series or Movie'] == 'Movie')
]
```

```
print(popular_films)
```

	Title	
Genre \		
1	HOW TO BUILD A GIRL	
Comedy		
2	Centigrade	Drama,
Thriller		
5	The Con-Heartist	Comedy,
Romance		
8	Only a Mother	
Drama		
15	Joker	Crime, Drama,
Thriller		
...	...	
...		
9067	Mustang Island	
Comedy		
9069	Almost Christmas	Comedy,
Drama		
9070	An Ordinary Man	Drama, Thriller,
War		
9071	Planetarium	Drama, Fantasy, Mystery, Romance,
Thriller		
9073	Boruto: Naruto the Movie	Animation, Action, Adventure,

Comedy

	Languages	Series or Movie	Hidden Gem Score \
1	English	Movie	7.0
2	English	Movie	6.4
5	Thai	Movie	8.6
8	Swedish	Movie	8.3
15	English	Movie	3.5
...
9067	English	Movie	8.0
9069	English	Movie	4.7
9070	English	Movie	6.5
9071	English, French	Movie	5.3
9073	Japanese	Movie	5.0

	Country Availability	Runtime \
1	Canada	1-2 hour
2	Canada	1-2 hour
5	Thailand	> 2 hrs
8	Lithuania, Poland, France, Italy, Spain, Greece, Bel...	1-2 hour
15	Lithuania, Poland, France, Italy, Spain, Greece, Bel...	1-2 hour
...
9067	France, Germany, Netherlands, Singapore, Czech Rep...	1-2 hour
9069	Belgium, Netherlands	1-2 hour
9070	United States	1-2 hour
9071	Argentina, Brazil, Mexico, Colombia	1-2 hour
9073	France, Belgium, United Kingdom, Japan	1-2 hour

	Director \
1	Coky Giedroyc
2	Brendan Walsh
5	Mez Tharatorn
8	Alf Sjöberg
15	Todd Phillips
...	...
9067	Craig Elrod
9069	David E. Talbert
9070	Brad Silberling
9071	Rebecca Zlotowski
9073	Hiroiyuki Yamashita, Toshiyuki Tsuru

	Writer \
1	Caitlin Moran
2	Brendan Walsh, Daley Nixon
5	Pattaranad Bhiboonsawade, Thodsapon Thiptinnak...
8	Ivar Lo-Johansson
15	Scott Silver, Jerry Robinson, Todd Phillips, B...
...	...
9067	Craig Elrod, Nathan Smith
9069	David E. Talbert

9070	Brad Silberling
9071	Robin Campillo, Rebecca Zlotowski
9073	Ukyô Kodachi, Masashi Kishimoto

	Actors	...	IMDb
--	--------	-----	------

Score	\
1	Paddy Considine, Cleo, Beanie Feldstein, Dónal... ..
5.8	
2	Genesis Rodriguez, Vincent Piazza ...
4.3	
5	Thiti Mahayotaruk, Nadech Kugimiya, Kathaleeya... ..
7.4	
8	Ulf Palme, Ragnar Falck, Hugo Björne, Eva Dahl... ..
6.7	
15	Joaquin Phoenix, Zazie Beetz, Robert De Niro,
8.4	
...
.	
9067	John Merriman, Lee Eddy, Molly Karrasch, Macon... ..
6.2	
9069	Danny Glover, Gabrielle Union, Kimberly Elise,... ..
6.1	
9070	Hera Hilmar, Ben Kingsley, Peter Serafinowicz,... ..
5.5	
9071	Amira Casar, Lily-Rose Depp, Natalie Portman,
4.6	
9073	Ryûichi Kijima, Yûko Sanpei, Kokoro Kikuchi, J... ..
7.9	

	Rotten Tomatoes	Score	Metacritic	Score	Awards Nominated For	\
1		79.0		69.0		NaN
2		NaN		46.0		NaN
5		NaN		NaN		NaN
8		NaN		NaN		1.0
15		68.0		59.0		228.0
...	
9067		67.0		NaN		2.0
9069		49.0		55.0		3.0
9070		41.0		52.0		NaN
9071		16.0		44.0		2.0
9073		93.0		NaN		3.0

	Boxoffice	Release Date	Netflix	Release Date	\
1	70632.0	2020-05-08		2021-04-03	
2	16263.0	2020-08-28		2021-04-03	
5	NaN	2020-12-03		2021-03-03	
8	NaN	2049-10-31		2021-03-03	
15	335451311.0	2019-10-04		2021-03-03	
...	
9067	NaN	2018-01-02		2018-02-01	

9069	42158780.0	2016-11-11	2018-01-01
9070	NaN	2018-04-13	2018-01-01
9071	3262.0	2017-08-11	2018-01-01
9073	919651.0	2017-03-28	2018-01-01

	Netflix Link	IMDb Votes	\
1	https://www.netflix.com/watch/81041267	2838.0	
2	https://www.netflix.com/watch/81305978	1720.0	
5	https://www.netflix.com/watch/81306155	131.0	
8	https://www.netflix.com/watch/81382068	88.0	
15	https://www.netflix.com/watch/81382215	951938.0	
...	
9067	https://www.netflix.com/watch/80198056	385.0	
9069	https://www.netflix.com/watch/80108595	6197.0	
9070	https://www.netflix.com/watch/80213365	1838.0	
9071	https://www.netflix.com/watch/80131236	3015.0	
9073	https://www.netflix.com/watch/80075823	8520.0	

	Release Difference (Years)
1	0.904110
2	0.597260
5	0.246575
8	-28.682192
15	1.413699
...	...
9067	0.082192
9069	1.139726
9070	-0.279452
9071	0.391781
9073	0.764384

[1539 rows x 21 columns]

```
#Find all popular films which are available in Canada.
popular_films_canada = popular_films[
    popular_films['Country Availability'].str.contains('Canada',
na=False)
]
print(popular_films_canada)
```

	Title	
Genre \		
1	HOW TO BUILD A GIRL	Comedy
2	Centigrade	Drama, Thriller
24	Indoo Ki Jawani	Comedy, Drama
191	Space Sweepers	Action, Adventure, Drama, Fantasy, Sci-Fi

192	Strip Down, Rise Up	Documentary
...
9055	Braqueurs	Action, Crime, Drama, Thriller
9063	The Shallows	Action, Drama, Horror, Thriller
9064	Money Monster	Crime, Drama, Thriller
9066	Aval	Horror
9067	Mustang Island	Comedy
Languages Series or Movie Hidden Gem		
Score \		
1	English	Movie
7.0		
2	English	Movie
6.4		
24	Hindi	Movie
3.9		
191	Korean, English	Movie
5.0		
192	English	Movie
7.4		
...
...		
9055	French	Movie
5.4		
9063	English, Spanish	Movie
3.3		
9064	English, Korean, Icelandic, Russian	Movie
3.0		
9066	Telugu, Tamil, Hindi	Movie
7.4		
9067	English	Movie
8.0		
Country Availability Runtime \		
1	Canada	1-2 hour
2	Canada	1-2 hour
24	Canada,Mexico,South Africa,Thailand,Turkey,Sin...	1-2 hour
191	Lithuania,Poland,France,Iceland,Italy,Spain,Gr...	> 2 hrs
192	Lithuania,Poland,France,Iceland,Italy,Spain,Gr...	1-2 hour
...
9055	United Kingdom,Canada,Hong Kong,Australia,Sout...	1-2 hour
9063	France,South Korea,South Africa,Switzerland,Ca...	1-2 hour
9064	India,Turkey,Canada	1-2 hour

9066	Lithuania,United Kingdom,Canada,Australia,Russ...	> 2 hrs
9067	France,Germany,Netherlands,Singapore,Czech Rep...	1-2 hour

Director

Writer \

1	Coky Giedroyc	Caitlin Moran
2	Brendan Walsh	Brendan Walsh, Daley Nixon
24	Abir Sengupta	Abir Sengupta
191	Sung-hee Jo	NaN
192	Michèle Ohayon	Michèle Ohayon
...

9055	Julien Leclercq	Julien Leclercq, Simon Moutairou
------	-----------------	----------------------------------

9063	Jaume Collet-Serra	Anthony Jaswinski
------	--------------------	-------------------

9064	Jodie Foster	Jamie Linden, Jim Kouf, Alan DiFiore
------	--------------	--------------------------------------

9066	Milind Rau	Rahul Ramchandani, Chandan Arora, Milind Rau, ...
------	------------	---

9067	Craig Elrod	Craig Elrod, Nathan Smith
------	-------------	---------------------------

Actors ... IMDb

Score \

1	Paddy Considine, Cleo, Beanie Feldstein, Dónal...	...
5.8		
2	Genesis Rodriguez, Vincent Piazza	...
4.3		
24	Rakesh Bedi, Aditya Seal, Kiara Advani, Iqbal	...
1.4		
191	Hae-Jin Yoo, Song Joong-Ki, Kim Tae-ri, Seon-k...	...
6.6		
192	Amy Bond, Genellyn Driver, Jenyne Butterfly, M...	...
5.1		

...
-----	-----	-----	-----

9055	Guillaume Gouix, Youssef Hajdi, Redouane Behac...	...
------	---	-----

6.2		
-----	--	--

9063	Joseph Salas, Óscar Jaenada, Blake Lively, Ang...	...
------	---	-----

6.3		
-----	--	--

9064	Julia Roberts, Jack O'Connell, Dominic West, G...	...
------	---	-----

6.5		
-----	--	--

9066	Prakash Belawadi, Andrea Jeremiah, Khushi Haja...	...
------	---	-----

6.8

9067 John Merriman, Lee Eddy, Molly Karrasch, Macon... ...

6.2

	Rotten Tomatoes Score	Metacritic Score	Awards Nominated For	\
1	79.0	69.0	NaN	
2	NaN	46.0	NaN	
24	NaN	NaN	NaN	
191	NaN	NaN	NaN	
192	NaN	NaN	NaN	
...	
9055	40.0	NaN	NaN	
9063	78.0	59.0	15.0	
9064	58.0	55.0	2.0	
9066	NaN	NaN	NaN	
9067	67.0	NaN	2.0	

	Boxoffice	Release Date	Netflix Release Date	\
1	70632.0	2020-05-08	2021-04-03	
2	16263.0	2020-08-28	2021-04-03	
24	NaN	2020-12-11	2021-02-03	
191	NaN	2021-02-05	2021-06-02	
192	NaN	2021-02-05	2021-06-02	
...	
9055	NaN	2018-11-15	2018-04-01	
9063	55124043.0	2016-06-24	2018-02-01	
9064	41012075.0	2016-05-13	2018-02-01	
9066	NaN	2017-11-03	2018-02-01	
9067	NaN	2018-01-02	2018-02-01	

	Netflix Link	IMDb Votes	\
1	https://www.netflix.com/watch/81041267	2838.0	
2	https://www.netflix.com/watch/81305978	1720.0	
24	https://www.netflix.com/watch/81193796	3505.0	
191	https://www.netflix.com/watch/81094067	6602.0	
192	https://www.netflix.com/watch/80208242	252.0	
...	
9055	https://www.netflix.com/watch/80196044	4233.0	
9063	https://www.netflix.com/watch/80094622	120760.0	
9064	https://www.netflix.com/watch/80084089	94663.0	
9066	https://www.netflix.com/watch/80233025	2042.0	
9067	https://www.netflix.com/watch/80198056	385.0	

	Release Difference (Years)
1	0.904110
2	0.597260
24	0.147945
191	0.320548
192	0.320548
...	...

9055	-0.624658
9063	1.608219
9064	1.723288
9066	0.246575
9067	0.082192

[754 rows x 21 columns]

#Find all movies which have a runtime of at least 1 hour.

Filter runtime

```
movies_runtime = data[
    (data['Series or Movie'] == 'Movie') &
    (data['Runtime'].str.contains('1-2 hour|> 2 hours', na=False))
]
print(movies_runtime)
```

	Title	
Genre \		
1	HOW TO BUILD A GIRL	
Comedy		
2	Centigrade	Drama,
Thriller		
4	Moxie	Animation, Short,
Drama		
8	Only a Mother	
Drama		
9	Snowroller	
Comedy		
...	...	
...		
9221	The Foreigner	Action,
Thriller		
9222	劇場版 フェアリーテイル DRAGON CRY	Animation, Action, Adventure,
Comedy, Fantasy		
9224	Live Flesh	
Drama		
9225	The Flower of My Secret	
Drama		
9226	Bad Education	Crime,
Drama		

	Languages	Series or Movie	Hidden Gem
Score \			
1	English	Movie	
7.0			
2	English	Movie	
6.4			
4	English	Movie	
8.1			
8	Swedish	Movie	

8.3		
9	Swedish, English, German, Norwegian	Movie
5.3		
...
...		
9221	English, Mandarin	Movie
3.2		
9222	Japanese	Movie
7.7		
9224	Spanish, Italian, Bulgarian	Movie
3.7		
9225	Spanish, French	Movie
3.8		
9226	Spanish, Latin	Movie
4.1		

	Country Availability	Runtime \
1	Canada	1-2 hour
2	Canada	1-2 hour
4	Lithuania,Poland,France,Iceland,Italy,Spain,Gr...	1-2 hour
8	Lithuania,Poland,France,Italy,Spain,Greece,Bel...	1-2 hour
9	Lithuania,Poland,France,Italy,Spain,Greece,Cze...	1-2 hour
...
9221	United Kingdom,Australia,South Korea,Turkey,Hu...	1-2 hour
9222	France,Belgium,United Kingdom,Japan	1-2 hour
9224	Spain	1-2 hour
9225	Spain	1-2 hour
9226	Spain	1-2 hour

	Director	
Writer \		
1	Coky Giedroyc	Caitlin
Moran		
2	Brendan Walsh	Brendan Walsh, Daley
Nixon		
4	Stephen Irwin	
NaN		
8	Alf Sjöberg	Ivar Lo-
Johansson		
9	Lasse Åberg	Lasse Åberg, Bo
Jonsson		
...	...	
...		
9221	Martin Campbell	Stephen Leather, David
Marconi		
9222	Tatsuma Minamikawa	Hiro Mashima, Shôji
Yonemura		
9224	Pedro Almodóvar	Pedro Almodóvar, Jorge Guerricaechevarría,
Rut...		

9225	Pedro Almodóvar	Pedro Almodóvar
9226	Pedro Almodóvar	Pedro Almodóvar

	Actors	...	IMDb
--	--------	-----	------

Score \	
1	Paddy Considine, Cleo, Beanie Feldstein, Dónal... ..
5.8	
2	Genesis Rodriguez, Vincent Piazza ...
4.3	
4	Ragga Gudrun ...
6.3	
8	Ulf Palme, Ragnar Falck, Hugo Björne, Eva Dahl... ..
6.7	
9	Jon Skolmen, Cecilia Walton, Lasse Åberg, Eva
6.6	
...
.	
9221	Mark Tandy, Rufus Jones, Katie Leung, Jackie Chan ...
7.0	
9222	Aya Hirano, Wataru Hatano, Yui Horie, Makoto F... ..
7.1	
9224	Ángela Molina, Francesca Neri, Liberto Rabal,
7.4	
9225	Juan Echanove, Rossy de Palma, Marisa Paredes,... ..
7.0	
9226	Fele Martínez, Gael García Bernal, Lluís Homar... ..
7.4	

	Rotten Tomatoes	Score	Metacritic	Score	Awards Nominated For \
1		79.0		69.0	NaN
2		NaN		46.0	NaN
4		NaN		NaN	4.0
8		NaN		NaN	1.0
9		NaN		NaN	NaN
...	
9221		65.0		55.0	1.0
9222		NaN		NaN	2.0
9224		81.0		69.0	14.0
9225		83.0		75.0	13.0
9226		88.0		81.0	42.0

	Boxoffice	Release Date	Netflix	Release Date \
1	70632.0	2020-05-08		2021-04-03
2	16263.0	2020-08-28		2021-04-03
4	NaN	2011-09-22		2021-04-03
8	NaN	2049-10-31		2021-03-03
9	NaN	1985-10-04		2021-03-03
...

9221	34393507.0	2017-10-13	NaT
9222	519461.0	2017-08-14	NaT
9224	1785901.0	1998-01-16	NaT
9225	1104622.0	1996-03-08	NaT
9226	5284284.0	2005-02-11	NaT

	Netflix Link	IMDb Votes	\
1	https://www.netflix.com/watch/81041267	2838.0	
2	https://www.netflix.com/watch/81305978	1720.0	
4	https://www.netflix.com/watch/81078393	63.0	
8	https://www.netflix.com/watch/81382068	88.0	
9	https://www.netflix.com/watch/81382187	5926.0	
...	
9221	https://www.netflix.com/watch/80185765	102492.0	
9222	https://www.netflix.com/watch/80198142	1780.0	
9224	https://www.netflix.com/watch/60000667	28561.0	
9225	https://www.netflix.com/watch/60000657	10443.0	
9226	https://www.netflix.com/watch/70011205	55919.0	

	Release Difference (Years)
1	0.904110
2	0.597260
4	9.536986
8	-28.682192
9	35.435616
...	...
9221	NaN
9222	NaN
9224	NaN
9225	NaN
9226	NaN

[5484 rows x 21 columns]

#Find all tv series which have been created with more than 1 language.

```
tv_multiple_languages = data[
    (data['Series or Movie'] == 'Series') &
    (data['Languages'].str.contains(',', na=False))
]
print(tv_multiple_languages)
```

	Title	
Genre \		
0	Lets Fight Ghost	Crime, Drama, Fantasy, Horror,
Romance		
46	The New Pope	
Drama		
54	Alice	Comedy,
Romance		
95	Operation Buffalo	Adventure, Comedy, Drama, Thriller,

War			
147	The Crew		Comedy,
Crime			
...	...		
...			
9176	Panda! Go Panda!	Animation, Short, Comedy,	
Family			
9217	Ultimate Beastmaster India	Game-Show,	
Reality-TV			
9219	Ultimate Beastmaster China	Game-Show,	
Reality-TV			
9220	Ultimate Beastmaster France	Game-Show,	
Reality-TV			
9223	Ultimate Beastmaster Spain	Game-Show,	
Reality-TV			
		Languages Series or	
Movie \			
0	Swedish, Spanish		
Series			
46	English, Italian		
Series			
54	English, Cantonese		
Series			
95	English, Aboriginal		
Series			
147	English, Spanish		
Series			
...	
.			
9176	Japanese, English		
Series			
9217	English, Spanish, Korean, Japanese, German, Po...		
Series			
9219	English, Spanish, Korean, Japanese, German, Po...		
Series			
9220	English, Spanish, Korean, Japanese, German, Po...		
Series			
9223	English, Spanish, Korean, Japanese, German, Po...		
Series			
	Hidden Gem Score	Country	
Availability \			
0	4.3		
Thailand			
46	4.1		
Belgium,Netherlands			
54	3.5		
Lithuania,Poland,France,Italy,Spain,Greece,Cze...			

95	7.9
Thailand, Singapore, Australia, Malaysia, India, Ho...	
147	4.7
Lithuania, Poland, France, Iceland, Italy, Spain, Gr...	
...	...
...	
9176	7.6
Japan	
9217	7.6
India, Malaysia	
9219	7.6
Kong, Singapore	
9220	7.6
France, Belgium, Switzerland, Canada	
9223	7.6
Spain	

	Runtime	Director	Writer
\			
0	< 30 minutes	Tomas Alfredson	John Ajvide Lindqvist
46	< 30 minutes	NaN	Paolo Sorrentino
54	< 30 minutes	Woody Allen	Woody Allen
95	< 30 minutes	NaN	NaN
147	< 30 minutes	Michael Dinner	Barry Fanaro
...
9176	< 30 minutes	Isao Takahata	Hayao Miyazaki
9217	< 30 minutes	NaN	Sylvester Stallone, David Broome
9219	< 30 minutes	NaN	Sylvester Stallone, David Broome
9220	< 30 minutes	NaN	Sylvester Stallone, David Broome
9223	< 30 minutes	NaN	Sylvester Stallone, David Broome

	Actors	... IMDb
Score \		
0	Kåre Hedebrant, Per Ragnar, Lina Leandersson, ...	...
7.9		
46	Jude Law, Cécile de France, Silvio Orlando, Jo...	...
8.2		
54	June Squibb, Mia Farrow, William Hurt, Joe Man...	...
6.6		

95	Tony Martin, Jessica De Gouw, James Cromwell, ...	...
6.3		
147	Burt Reynolds, Seymour Cassel, Dan Hedaya, Ric...	...
5.7		
...
.		
9176	Kazuo Kumakura, Kazuko Sugiyama, Yasuo Yamada,...	...
6.8		
9217	Inés Sainz, Luis Ernesto Franco, Rafinha Basto...	...
7.3		
9219	Inés Sainz, Luis Ernesto Franco, Rafinha Basto...	...
7.3		
9220	Inés Sainz, Luis Ernesto Franco, Rafinha Basto...	...
7.3		
9223	Inés Sainz, Luis Ernesto Franco, Rafinha Basto...	...
7.3		

	Rotten Tomatoes Score	Metacritic Score	Awards Nominated For \
0	98.0	82.0	57.0
46	NaN	NaN	NaN
54	75.0	67.0	7.0
95	NaN	NaN	11.0
147	20.0	37.0	NaN
...
9176	NaN	NaN	NaN
9217	NaN	NaN	NaN
9219	NaN	NaN	NaN
9220	NaN	NaN	NaN
9223	NaN	NaN	NaN

	Boxoffice	Release Date	Netflix Release Date \
0	2122065.0	2008-12-12	2021-04-03
46	NaN	2020-01-13	2021-01-03
54	7331647.0	1991-01-10	2021-01-03
95	NaN	2020-05-31	NaT
147	13023075.0	2000-08-25	NaT
...
9176	NaN	2072-12-17	NaT
9217	NaN	2017-02-24	NaT
9219	NaN	2017-02-24	NaT
9220	NaN	2017-02-24	NaT
9223	NaN	2017-02-24	NaT

	Netflix Link	IMDb Votes \
0	https://www.netflix.com/watch/81415947	205926.0
46	https://www.netflix.com/watch/80242313	12101.0
54	https://www.netflix.com/watch/81404896	13379.0
95	https://www.netflix.com/watch/81334830	401.0
147	https://www.netflix.com/watch/81047664	4473.0
...

9176	https://www.netflix.com/watch/80218515	1651.0
9217	https://www.netflix.com/watch/80202134	2116.0
9219	https://www.netflix.com/watch/80202310	2116.0
9220	https://www.netflix.com/watch/80202234	2116.0
9223	https://www.netflix.com/watch/80202155	2116.0

Release Difference (Years)	
0	12.315068
46	0.975342
54	30.002740
95	NaN
147	NaN
...	...
9176	NaN
9217	NaN
9219	NaN
9220	NaN
9223	NaN

[249 rows x 21 columns]

#Find all movies which are available in Japan and fall in multiple genres.

```
movies_japan_genres = data[
    (data['Series or Movie'] == 'Movie') &
    (data['Country Availability'].str.contains('Japan', na=False)) &
    (data['Genre'].str.contains(',', na=False))
]
print(movies_japan_genres)
```

	Title \
4	Moxie
24	Indoo Ki Jawani
29	The Mysterians
30	No Longer Human
32	Sway
...	...
9205	Bright
9208	48 Christmas Wishes
9209	Jeremiah Tower: The Last Magnificent
9221	The Foreigner
9222	劇場版 フェアリーテイル DRAGON CRY

	Genre	Languages
\		
4	Animation, Short, Drama	English
24	Comedy, Drama	Hindi
29	Action, Family, Sci-Fi, Thriller	Japanese, English

30	Biography, Drama, Thriller		Japanese
32	Crime, Drama		Japanese
...
9205	Action, Fantasy, Thriller	English, Spanish	
9208	Adventure, Comedy, Family, Fantasy		NaN
9209	Documentary, Biography	English	
9221	Action, Thriller	English, Mandarin	
9222	Animation, Action, Adventure, Comedy, Fantasy		Japanese

	Series or Movie	Hidden Gem Score	\
4	Movie	8.1	
24	Movie	3.9	
29	Movie	7.1	
30	Movie	7.8	
32	Movie	8.5	
...	
9205	Movie	2.0	
9208	Movie	6.2	
9209	Movie	8.1	
9221	Movie	3.2	
9222	Movie	7.7	

	Country Availability	Runtime	\
4	Lithuania,Poland,France,Iceland,Italy,Spain,Gr...	1-2 hour	
24	Canada,Mexico,South Africa,Thailand,Turkey,Sin...	1-2 hour	
29	Japan	1-2 hour	
30	Japan	> 2 hrs	
32	Japan	1-2 hour	
...	
9205	Brazil,Spain,United Kingdom,Germany,France,Can...	1-2 hour	
9208	Singapore,Czech Republic,India,Lithuania,Unite...	1-2 hour	
9209	Germany,France,Canada,Netherlands,Sweden,Singa...	1-2 hour	
9221	United Kingdom,Australia,South Korea,Turkey,Hu...	1-2 hour	
9222	France,Belgium,United Kingdom,Japan	1-2 hour	

	Director	\
4	Stephen Irwin	
24	Abir Sengupta	
29	Ishirô Honda	
30	Mika Ninagawa	
32	Miwa Nishikawa	

...	...
9205	David Ayer
9208	Justin G. Dyck, Marco Deufemia
9209	Morgan Fallon, Lydia Tenaglia
9221	Martin Campbell
9222	Tatsuma Minamikawa

	Writer \
4	NaN
24	Abir Sengupta
29	Shigeru Kayama, Jôjirô Okami, Takeshi Kimura
30	Kaeko Hayafune
32	Miwa Nishikawa
...	...
9205	Max Landis
9208	Neale Kimmel
9209	NaN
9221	Stephen Leather, David Marconi
9222	Hiro Mashima, Shôji Yonemura

	Actors ... IMDb
Score \	
4	Ragga Gudrun ...
6.3	
24	Rakesh Bedi, Aditya Seal, Kiara Advani, Iqbal ...
1.4	
29	Yumi Shirakawa, Akihiko Hirata, Kenji Sahara, ...
6.2	
30	Tatsuya Fujiwara, Kengo Kôra, Yûdai Chiba, Rie...
5.9	
32	Masatô Ibu, Hirofumi Arai, Joe Odagiri, Teruyu...
7.2	
...
.	
9205	Will Smith, Noomi Rapace, Joel Edgerton, Edgar...
6.3	
9208	Madeline Leon, Ethan Yang, Liam MacDonald, Cla...
3.9	
9209	Stephen Torres, Mario Batali, Martha Stewart, ...
6.5	
9221	Mark Tandy, Rufus Jones, Katie Leung, Jackie Chan ...
7.0	
9222	Aya Hirano, Wataru Hatano, Yui Horie, Makoto F...
7.1	

	Rotten Tomatoes Score	Metacritic Score	Awards Nominated For \
4	NaN	NaN	4.0
24	NaN	NaN	NaN
29	51.0	NaN	NaN
30	NaN	NaN	2.0

32	86.0	NaN	4.0
...
9205	27.0	29.0	7.0
9208	27.0	NaN	NaN
9209	NaN	68.0	NaN
9221	65.0	55.0	1.0
9222	NaN	NaN	2.0

	Boxoffice	Release Date	Netflix Release Date	\
4	NaN	2011-09-22	2021-04-03	
24	NaN	2020-12-11	2021-02-03	
29	975000.0	2059-05-15	2021-01-03	
30	NaN	2019-09-13	2021-01-03	
32	NaN	2006-07-08	2021-01-03	
...	
9205	NaN	2017-12-22	NaT	
9208	NaN	2017-11-02	NaT	
9209	228153.0	2017-04-21	NaT	
9221	34393507.0	2017-10-13	NaT	
9222	519461.0	2017-08-14	NaT	

	Netflix Link	IMDb Votes	\
4	https://www.netflix.com/watch/81078393	63.0	
24	https://www.netflix.com/watch/81193796	3505.0	
29	https://www.netflix.com/watch/70023084	1383.0	
30	https://www.netflix.com/watch/81346034	379.0	
32	https://www.netflix.com/watch/70064321	963.0	
...	
9205	https://www.netflix.com/watch/80119234	169376.0	
9208	https://www.netflix.com/watch/80232740	931.0	
9209	https://www.netflix.com/watch/80107030	441.0	
9221	https://www.netflix.com/watch/80185765	102492.0	
9222	https://www.netflix.com/watch/80198142	1780.0	

	Release Difference (Years)
4	9.536986
24	0.147945
29	-38.386301
30	1.309589
32	14.501370
...	...
9205	NaN
9208	NaN
9209	NaN
9221	NaN
9222	NaN

[1418 rows x 21 columns]

#A short summary means a summary of 50 characters. Find all films which have a large summary.

```
if 'Summary' in data.columns:
    large_summary_films = data[
        (data['Series or Movie'] == 'Movie') &
        (data['Summary'].str.len() > 50)
    ]
    print(large_summary_films[['Title', 'Summary']])
else:
    print("The dataset does not contain a Summary column.")
```

The dataset does not contain a Summary column.

#Total Rating of a film means the sum of Hidden Gem Score and IMDB Score. Find all films which have a combined total rating of atleast 15.

Calculate total rating

```
data['Total Rating'] = data['Hidden Gem Score'] + data['IMDb Score']
```

Filter films

```
high_rating_films = data[data['Total Rating'] >= 15]
print(high_rating_films)
```

	Title	
Genre \		
5	The Con-Heartist	Comedy,
Romance		
6	Gleboka woda	
Drama		
8	Only a Mother	
Drama		
12	The Simple Minded Murderer	
Drama		
14	To Kill a Child	Short,
Drama		
...
.		
9182	A Korean Odyssey	Comedy, Fantasy, Horror,
Romance		
9186	McLaren	Documentary, Biography, Drama,
Sport		
9200	Myths and Monsters	Documentary,
Fantasy		
9206	Once Upon a Time... Space	Animation, Family, Sci-Fi,
Adventure		
9210	Russell Howard: Recalibrate	
Comedy		
	Languages Series or Movie	Hidden Gem Score \
5	Thai Movie	8.6

6	Polish	Series	8.7
8	Swedish	Movie	8.3
12	Scanian, Swedish	Movie	7.8
14	Spanish	Movie	8.8
...
9182	Korean	Series	7.5
9186	English, German	Movie	7.7
9200	English	Series	8.6
9206	French	Series	8.0
9210	English	Movie	8.4

	Country Availability	Runtime
\		
5	Thailand	> 2 hrs
6	Poland	< 30 minutes
8	Lithuania,Poland,France,Italy,Spain,Greece,Bel...	1-2 hour
12	Lithuania,Poland,France,Italy,Spain,Greece,Cze...	1-2 hour
14	Lithuania,Poland,France,Italy,Spain,Greece,Cze...	< 30 minutes
...
9182	Lithuania,United Kingdom,Australia,Singapore,C...	< 30 minutes
9186	Spain	1-2 hour
9200	India,United Kingdom,Australia,Canada,South Af...	< 30 minutes
9206	Sweden	< 30 minutes
9210	Brazil,Spain,United Kingdom,France,Germany,Aus...	1-2 hour

	Director	\
5	Mez Tharatorn	
6	NaN	
8	Alf Sjöberg	
12	Hans Alfredson	
14	José Esteban Alenda, César Esteban Alenda	
...	...	
9182	NaN	
9186	Roger Donaldson	
9200	NaN	
9206	NaN	
9210	Russell Howard	

	Writer	\
5	Pattaranad Bhiboonsawade, Thodsapon Thiptinnak...	

6		NaN
8	Ivar Lo-Johansson	
12	Hans Alfredson	
14	José Esteban Alenda, Victoria Ruiz, César Este...	
...		...
9182		NaN
9186	James Brown, Glenn Standring, Tim Woodhouse, M...	
9200		NaN
9206	Albert Barillé	
9210	Russell Howard	

	Actors	...	\
5	Thiti Mahayotaruk, Nadech Kugimiya, Kathaleeya...	...	
6	Marcin Dorocinski, Piotr Nowak, Julia Kijowska...	...	
8	Ulf Palme, Ragnar Falck, Hugo Björne, Eva Dahl...	...	
12	Stellan Skarsgård, Hans Alfredson, Per Myrberg...	...	
14	Manolo Solo, Roger Príncipe, Cristina Marcos, R...	...	
...	
9182	Hong-ki Lee, Yeon-Seo Oh, Lee Seung-gi, Seung-...	...	
9186	Mario Andretti, Jim Anderton, Colin Beanland, ...	...
9200	Juliette Wood, Liz Gloyn, Nicholas Day, Diane ...	...
9206	Annie Balestra, Alain Dorval, Vincent Ropion, ...	...
9210	Russell Howard	...	

	Rotten Tomatoes Score	Metacritic Score	Awards Nominated For
Boxoffice \			
5	NaN	NaN	NaN
NaN			
6	NaN	NaN	4.0
NaN			
8	NaN	NaN	1.0
NaN			
12	92.0	NaN	2.0
NaN			
14	NaN	NaN	5.0
NaN			
...
...			
9182	NaN	NaN	NaN
NaN			
9186	79.0	NaN	1.0
NaN			
9200	NaN	NaN	NaN
NaN			
9206	NaN	NaN	NaN
NaN			
9210	88.0	NaN	NaN
NaN			

Release Date	Netflix Release Date	\
--------------	----------------------	---

5	2020-12-03	2021-03-03
6	2011-06-14	2021-03-03
8	2049-10-31	2021-03-03
12	1985-09-01	2021-03-03
14	2011-02-07	2021-03-03
...
9182	2017-12-23	NaT
9186	2017-08-17	NaT
9200	NaT	NaT
9206	NaT	NaT
9210	2017-12-19	NaT

	Netflix Link	IMDb	Votes \
5	https://www.netflix.com/watch/81306155		131.0
6	https://www.netflix.com/watch/81307527		47.0
8	https://www.netflix.com/watch/81382068		88.0
12	https://www.netflix.com/watch/81382075		2870.0
14	https://www.netflix.com/watch/81382065		78.0
...
9182	https://www.netflix.com/watch/80214405		3093.0
9186	https://www.netflix.com/watch/80218722		2140.0
9200	https://www.netflix.com/watch/80158649		666.0
9206	https://www.netflix.com/watch/80215692		1587.0
9210	https://www.netflix.com/watch/80189806		1308.0

	Release Difference (Years)	Total Rating
5	0.246575	16.0
6	9.726027	16.2
8	-28.682192	15.0
12	35.526027	15.4
14	10.073973	16.5
...
9182	NaN	15.6
9186	NaN	15.0
9200	NaN	16.5
9206	NaN	15.5
9210	NaN	15.8

[1807 rows x 22 columns]

#A Dramatic film means a film which is under Drama Genre. Find all dramatic TV Series which came from the country Japan.

```
dramatic_tv_japan = data[
    (data['Series or Movie'] == 'Series') &
    (data['Genre'].str.contains('Drama', na=False)) &
    (data['Country Availability'].str.contains('Japan', na=False))
]
print(dramatic_tv_japan)
```

	Title \
53	The Bold Type
95	Operation Buffalo
107	Princess Principal
115	Oh My JUMP!
128	Behind Her Eyes
...	...
9166	The Laughing Salesman
9168	OISHINBO
9172	The Ancient Magus Bride
9175	Fruits Basket
9212	The Indian Detective

	Genre
Languages \	
53	Drama
English	
95	Adventure, Comedy, Drama, Thriller, War English,
Aboriginal	
107	Animation, Action, Adventure, Drama, Sci-Fi
Japanese	
115	Drama
Japanese	
128	Short, Drama
English	
...	...
...	
9166	Animation, Comedy, Drama, Horror
Japanese	
9168	Drama
Japanese	
9172	Animation, Drama, Fantasy, Horror, Mystery, Ro... Japanese,
English	
9175	Animation, Comedy, Drama, Fantasy, Romance Japanese,
English	
9212	Comedy, Crime, Drama, Mystery
English	

	Series or Movie	Hidden Gem Score \
53	Series	4.1
95	Series	7.9
107	Series	8.5
115	Series	9.2
128	Series	8.1
...
9166	Series	8.4
9168	Series	7.8
9172	Series	7.9
9175	Series	6.3
9212	Series	6.9

		Country Availability	Runtime
\			
53	Lithuania,Poland,Italy,Spain,Greece,Czech Repu...	< 30 minutes	
95	Thailand,Singapore,Australia,Malaysia,India,Ho...	< 30 minutes	
107		Japan	< 30 minutes
115		Japan	< 30 minutes
128	Lithuania,Poland,France,Iceland,Italy,Spain,Gr...	< 30 minutes	
...
9166		Japan	< 30 minutes
9168		Japan	< 30 minutes
9172	Japan,South Korea,Portugal,Spain	< 30 minutes	
9175		Japan	< 30 minutes
9212	France,Germany,Australia,India,Netherlands,Sin...	< 30 minutes	
		Director	Writer \
53		NaN	Sarah Watson
95		NaN	NaN
107		NaN	NaN
115		NaN	NaN
128	Mark Newton	Katherine Geren	
...
9166		NaN	NaN
9168	Azuma Morisaki	Toshiharu Maruuchi, Masao Kajiura	
9172		NaN	NaN
9175		NaN	NaN
9212		NaN	NaN
		Actors	... \
53	Meghann Fahy, Melora Hardin, Katie Stevens, Ai...	...	
95	Tony Martin, Jessica De Gouw, James Cromwell, ...	...
107	Akari Kageyama, Akira Sekine, Ayaka Imamura, Y...	...	
115	Rina Ikoma, Toru Baba, Atsushi Itô, Kendô Koba...	...	
128	Victoria Clare, John Curley, Dylan Neumeyer, K...	...	
...
9166		Tôru Ôhira	...
9168	Rentarô Mikuni, Kôichi Satô, Shinsuke Ashida, ...	...
9172	Dani Chambers, Atsumi Tanezaki, Todd Haberkorn...	...	
9175	Yui Horie, Eric Vale, Laura Bailey, Aya Hisakawa	...	
9212	Mishqah Parthiephal, Russell Peters, Christina...	...	

	Rotten Tomatoes Score	Metacritic Score	Awards Nominated For
Boxoffice \			
53	NaN	NaN	14.0
NaN			
95	NaN	NaN	11.0
NaN			
107	NaN	NaN	1.0
NaN			
115	NaN	NaN	NaN
NaN			
128	NaN	NaN	NaN
NaN			
...
...			
9166	NaN	NaN	NaN
NaN			
9168	NaN	NaN	NaN
NaN			
9172	NaN	NaN	6.0
NaN			
9175	NaN	NaN	NaN
NaN			
9212	NaN	NaN	1.0
NaN			
	Release Date	Netflix Release Date	\
53	2017-06-20	2021-01-03	
95	2020-05-31	NaT	
107	2017-07-09	NaT	
115	2018-01-13	NaT	
128	2018-05-15	NaT	
...	
9166	1989-10-10	NaT	
9168	1996-04-13	NaT	
9172	2017-10-07	NaT	
9175	2001-07-05	NaT	
9212	2017-12-19	NaT	
	Netflix Link	IMDb Votes	\
53	https://www.netflix.com/watch/80176085	9767.0	
95	https://www.netflix.com/watch/81334830	401.0	
107	https://www.netflix.com/watch/81408637	321.0	
115	https://www.netflix.com/watch/81410464	5.0	
128	https://www.netflix.com/watch/80244630	8.0	
...	
9166	https://www.netflix.com/watch/80203518	39.0	
9168	https://www.netflix.com/watch/80203650	10.0	
9172	https://www.netflix.com/watch/80223976	2030.0	
9175	https://www.netflix.com/watch/70204976	5249.0	

9212 <https://www.netflix.com/watch/80190279> 2712.0

	Release Difference (Years)	Total Rating
53	3.542466	12.1
95	NaN	14.2
107	NaN	15.8
115	NaN	17.6
128	NaN	14.3
...
9166	NaN	15.3
9168	NaN	13.5
9172	NaN	15.7
9175	NaN	14.2
9212	NaN	13.4

[515 rows x 22 columns]

```
#Find all films directed by Chirstopher Nolan whose name ends with 0.
directors_start_with = data[data['Director'].str.startswith('C',
na=False)]
print(directors_start_with)
```

	Title \
1	HOW TO BUILD A GIRL
56	Magic hour
82	Criticsized
83	Communication & Lies
153	Story of Women
...	...
9188	Verónica
9190	The Climb
9211	The Nut Job 2: Nutty by Nature
9216	Staying Alive
9218	The Climb

	Genre	Languages \
1	Comedy	English
56	Crime	English
82	Action, Crime, Drama, Horror, Thriller	English
83	Short, Drama	English
153	Drama, Romance	French
...
9188	Drama, Mystery, Thriller	Spanish
9190	Comedy	NaN
9211	Animation, Adventure, Comedy, Family, Fantasy	English
9216	Comedy	Norwegian
9218	Comedy	NaN

	Series or Movie	Hidden Gem Score \
1	Movie	7.0

56	Movie	7.7
82	Movie	6.2
83	Movie	7.4
153	Movie	7.0
...
9188	Movie	7.3
9190	Movie	7.4
9211	Movie	3.8
9216	Movie	7.7
9218	Movie	7.4

	Country Availability	Runtime \
1	Canada	1-2 hour
56	South Korea	1-2 hour
82	South Korea	1-2 hour
83	South Korea	1-2 hour
153	France	1-2 hour
...
9188	Australia, Singapore, Russia, Germany, India, Swede...	1-2 hour
9190	Lithuania, United Kingdom, Germany, Australia, Can...	1-2 hour
9211	South Korea, Romania, Hungary, Brazil, Czech Repub...	1-2 hour
9216	Lithuania, Poland, France, Italy, Spain, Greece, Cze...	1-2 hour
9218	Lithuania, United Kingdom, Germany, Australia, Can...	1-2 hour

	Director \
1	Coky Giedroyc
56	Cole Mueller
82	Carl T. Evans
83	Christopher Banks
153	Claude Chabrol
...	...
9188	Carlos Algara, Alejandro Martinez-Beltran
9190	Chris Robinson
9211	Cal Brunker
9216	Charlotte Blom
9218	Chris Robinson

	Writer \
1	Caitlin Moran
56	Cole Mueller
82	Renato Biribin Jr., Carl T. Evans
83	Christopher Banks, David Blakey
153	Colo Tavernier, Claude Chabrol, Francis Szpiner
...	...
9188	Carlos Algara, Tomas Nepomuceno
9190	Diarra Kilpatrick
9211	Bob Barlen, Scott Bindley, Peter Lepeniotis, C...
9216	Charlotte Blom
9218	Diarra Kilpatrick

	Actors	...	\
1	Paddy Considine, Cleo, Beanie Feldstein, Dónal...	...	
56	Kris Lemche, C. Thomas Howell, Trevor Morgan, ...	...
82	James Kyson, Kerr Smith, Callum Blue, Mike Marino	...	
83	Alexander Campbell, Rita Lefau Ryan, Rudi Voda...	...	
153	Marie Trintignant, François Cluzet, Nils Taver...	...	
...	
9188	Horacio Castelo, Arcelia Ramírez, Olga Segura,...	...	
9190	Jocko Sims, Alysha Umphress, Robert Gossett, D...	...	
9211	Bobby Moynihan, Maya Rudolph, Bobby Cannavale,...	...	
9216	Nils Jørgen Kaalstad, Anders Baasmo Christians...	...	
9218	Jocko Sims, Alysha Umphress, Robert Gossett, D...	...	

	Rotten Tomatoes Score	Metacritic Score	Awards Nominated For	\
1	79.0	69.0	NaN	
56	NaN	NaN	NaN	
82	17.0	NaN	NaN	
83	NaN	NaN	NaN	
153	82.0	NaN	7.0	
...	
9188	NaN	NaN	15.0	
9190	NaN	NaN	NaN	
9211	14.0	36.0	3.0	
9216	NaN	NaN	4.0	
9218	NaN	NaN	NaN	

	Boxoffice	Release Date	Netflix Release Date	\
1	70632.0	2020-05-08	2021-04-03	
56	NaN	NaT	NaT	
82	NaN	2016-12-13	NaT	
83	NaN	NaT	NaT	
153	438483.0	1990-02-01	NaT	
...	
9188	NaN	2017-10-01	NaT	
9190	NaN	2017-11-10	NaT	
9211	28370522.0	2017-08-11	NaT	
9216	NaN	2015-01-09	NaT	
9218	NaN	2017-11-10	NaT	

	Netflix Link	IMDb Votes	\
1	https://www.netflix.com/watch/81041267	2838.0	
56	https://www.netflix.com/watch/81389600	90.0	
82	https://www.netflix.com/watch/80156929	173.0	
83	https://www.netflix.com/watch/81389601	105.0	
153	https://www.netflix.com/watch/70001748	3928.0	
...	
9188	https://www.netflix.com/watch/80109295	1285.0	
9190	https://www.netflix.com/watch/80194671	165.0	
9211	https://www.netflix.com/watch/80067832	5931.0	
9216	https://www.netflix.com/watch/80199875	403.0	

9218 <https://www.netflix.com/watch/80194671> 165.0

	Release Difference (Years)	Total Rating
1	0.90411	12.8
56	NaN	13.2
82	NaN	9.8
83	NaN	12.4
153	NaN	14.5
...
9188	NaN	13.1
9190	NaN	12.4
9211	NaN	9.3
9216	NaN	13.5
9218	NaN	12.4

[298 rows x 22 columns]

#Find all films which have been directed and written by Christopher Nolan.

```
nolan_films = data[
    (data['Director'] == 'Christopher Nolan') &
    (data['Writer'] == 'Christopher Nolan')
]
print(nolan_films)
```

	Title	Genre
8441	Dunkirk	Action, Drama, History, Thriller, War
	Languages \	English, French, German

	Series or Movie	Hidden Gem Score \
8441	Movie	4.4

	Country Availability	Runtime \
8441	France,Belgium,Switzerland,Brazil,Argentina,Tu...	1-2 hour

	Director	Writer \
8441	Christopher Nolan	Christopher Nolan

	Actors ... \
8441	Damien Bonnard, Lee Armstrong, Aneurin Barnard...

	Rotten Tomatoes Score	Metacritic Score	Awards Nominated For \
8441	92.0	94.0	228.0

	Boxoffice	Release Date	Netflix Release Date \
8441	189740665.0	2017-07-21	NaT

	Netflix Link	IMDb Votes \
8441	https://www.netflix.com/watch/80170278	556842.0

	Release Difference (Years)	Total Rating
8441	NaN	12.2

[1 rows x 22 columns]

#Find the English movie name(title) which has IMDB score more than 8.5.

```
english_movies_high_score = data[
    (data['Languages'].str.contains('English', na=False)) &
    (data['IMDb Score'] > 8.5)
]
print(english_movies_high_score)
```

	Title \
42	5 Minute
206	The Dream House
218	As Seen On Tv
403	Headspace Guide to Meditation
575	The Troupe
704	Ejen Ali The Movie
865	Fiction.
1127	Aunty Donnas Big Ol House of Fun
1138	A Lion in the House
1180	Leah Remini: Scientology and the Aftermath
1337	David Attenborough: A Life on Our Planet
1593	Staged
1595	Parasite
1641	Cobra Kai
1904	Downton Abbey
2113	Line of Duty
2174	Saladin
2907	Flavours of Romania
3184	Lenox Hill
3261	Numberblocks
3475	The Last Dance
3554	One Girl
3909	On the Real
4102	A Love to Last
4380	The Repair Shop
4564	Greatest Events of WWII in Colour
4911	The Universe
4919	Intervention
5499	When They See Us
5874	Our Planet
5966	Insectibles
6054	Formula 1: Drive to Survive
6280	Pose
6437	Bill Hicks: Relentless
6676	Roll With Me
6697	The Great British Baking Show: Holidays

6827		Kopitiam
6842	The Great British Baking Show: The Beginnings	
6982	The Haunting of Hill House	
7177		Conspiracy
7199		Hilda
8012		The Consuls Son
8298		Mr. Sunshine
8650	Monty Pythons Flying Circus	
8754		Hey Duggee

		Genre \
42		Comedy
206		Comedy, Drama, Fantasy
218		Short, Comedy
403		Documentary, Animation
575		Documentary
704	Animation, Action, Adventure, Comedy, Mystery,...	
865		Crime, Drama
1127		Comedy
1138		Documentary
1180		Documentary
1337		Documentary, Biography
1593		Comedy, Drama
1595		Comedy, Drama, Thriller
1641	Action, Comedy, Drama, Sport	
1904		Drama, Romance
2113	Crime, Drama, Mystery, Thriller	
2174		Animation
2907		Documentary
3184		Documentary
3261		Animation
3475	Documentary, Biography, History, Sport	
3554		Documentary
3909		Comedy
4102	Drama, Family, Music, Romance	
4380		Documentary, Reality-TV
4564		Documentary, History, War
4911		Documentary, History
4919		Short, Drama
5499	Biography, Crime, Drama, History	
5874		Documentary
5966		NaN
6054		Documentary, Sport
6280		Drama
6437		Documentary, Comedy
6676		Documentary
6697		Reality-TV
6827		Comedy
6842		Reality-TV

6982	Drama, Horror, Mystery, Thriller
7177	Documentary, Short
7199	Animation, Adventure, Comedy, Family, Fantasy
8012	Musical
8298	Action, Drama, History, Romance, War
8650	Comedy
8754	Animation, Family

	Languages	Series or
Movie \		
42	English	
Movie		
206	English, Spanish	
Movie		
218	English	
Movie		
403	English	
Series		
575	English, Persian	
Movie		
704	Malay, English	
Movie		
865	English, Spanish, French	
Movie		
1127	English	
Series		
1138	English	
Series		
1180	English	
Series		
1337	English	
Movie		
1593	English	
Series		
1595	Korean, English	
Movie		
1641	English	
Series		
1904	English	
Movie		
2113	English	
Movie		
2174	English, Arabic	
Movie		
2907	English	
Series		
3184	English	
Series		
3261	English	

Series	
3475	English
Series	
3554	Romanian, Arabic, Finnish, English, Acholi
Movie	
3909	English
Series	
4102	English, Tagalog
Series	
4380	English
Series	
4564	English
Series	
4911	English
Series	
4919	English
Series	
5499	English
Series	
5874	English
Series	
5966	English
Series	
6054	English
Series	
6280	English
Series	
6437	English
Movie	
6676	English, Arabic
Movie	
6697	English
Series	
6827	English
Series	
6842	English
Series	
6982	English
Series	
7177	English
Movie	
7199	English
Series	
8012	English
Movie	
8298	Korean, Japanese, English
Series	
8650	English, Arabic, French, German, Italian, Mand...
Series	

8754	English
Series	
Hidden Gem Score	Country
Availability \	
42	9.3
Romania	
206	9.7
Lithuania,Poland,France,Iceland,Italy,Spain,Gr...	
218	9.3
Lithuania,Poland,France,Iceland,Italy,Spain,Gr...	
403	8.9
France,Poland,Iceland,Italy,Spain,Greece,Czech...	
575	9.3
Hungary	
704	8.9
Singapore,Malaysia	
865	4.6
Thailand,Singapore,Malaysia	
1127	9.4 Lithuania,Australia,United
Kingdom,Poland,Braz...	
1138	9.6
Lithuania,Russia,Australia,Poland,Brazil,Nethe...	
1180	7.1 United
States	
1337	4.1
Lithuania,Canada,Australia,Poland,Mexico,Franc...	
1593	7.5 United
Kingdom	
1595	4.7
Thailand,Argentina,Mexico,Japan,Colombia	
1641	4.3 Brazil,United States,Spain,Czech
Republic,Isra...	
1904	4.3 South
Korea	
2113	4.3
Australia,Netherlands	
2174	9.3
Belgium,Canada,Switzerland,Germany,Sweden,Icel...	
2907	9.6 Hungary,Czech
Republic,Slovakia,Romania	
3184	8.5 Israel,Russia,Belgium,United
Kingdom,Portugal,...	
3261	9.5 Lithuania,Argentina,Slovakia,Russia,Czech
Repu...	
3475	4.6
Portugal,Slovakia,Lithuania,India,Belgium,Turk...	
3554	9.5
Romania	

3909	9.3	South	
Africa,Iceland,Australia,France,Belgium,...			
4102	9.4	Japan,South Korea,Hong	
Kong,Thailand,Singapore...			
4380	8.9		United
States			
4564	6.7		
India,Slovakia,Lithuania,Brazil,Turkey,Switzer...			
4911	6.7	Australia,United	
Kingdom,France,Germany,Spain,...			
4919	9.3	United	
Kingdom,Canada,France,Switzerland,Mexic...			
5499	4.5		
India,Israel,Lithuania,Brazil,Spain,Romania,Sl...			
5874	4.7		
India,Lithuania,Slovakia,Brazil,Spain,Israel,G...			
5966	9.3		
Switzerland,Germany			
6054	4.3	Lithuania,Brazil,Spain,United	
Kingdom,Canada,S...			
6280	4.3	Slovakia,Lithuania,Hong	
Kong,Switzerland,Roman...			
6437	8.2	Russia,Lithuania,Canada,Romania,South	
Africa,H...			
6676	9.3	Australia,Canada,United Kingdom,United	
States			
6697	5.9		United
States			
6827	9.4	United Kingdom,Canada,Russia,Hong	
Kong,Austral...			
6842	5.9		United
States			
6982	4.3		
Lithuania,Israel,Romania,Brazil,Switzerland,Gr...			
7177	9.6		
Belgium			
7199	5.8	Brazil,Spain,Canada,Hong Kong,United	
States,Un...			
8012	9.5	Hong	
Kong,Australia,Japan,France,Singapore,Pol...			
8298	7.3	United Kingdom,Hong	
Kong,Australia,Singapore,C...			
8650	4.4	Hong	
Kong,Australia,Singapore,India,Netherland...			
8754	9.1	United	
Kingdom,Thailand,Singapore,Malaysia,Hon...			

Runtime

Director

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42	1-2 hour	NaN
206	1-2 hour	NaN
218	1-2 hour	Ryan Sage
403	< 30 minutes	NaN
575	1-2 hour	Rabeah Ghaffari
704	1-2 hour	Muhammad Usamah Zaid
865	1-2 hour	Quentin Tarantino
1127	< 30 minutes	NaN
1138	< 30 minutes	Julia Reichert, Steven Bognar
1180	< 30 minutes	NaN
1337	1-2 hour	Keith Scholey, Alastair Fothergill, Jonathan H...
1593	< 30 minutes	NaN
1595	> 2 hrs	Bong Joon Ho
1641	< 30 minutes	NaN
1904	> 2 hrs	NaN
2113	1-2 hour	NaN
2174	> 2 hrs	NaN
2907	< 30 minutes	NaN
3184	< 30 minutes	NaN
3261	< 30 minutes	NaN
3475	< 30 minutes	NaN
3554	1-2 hour	Rosa Russo
3909	< 30 minutes	NaN
4102	< 30 minutes	NaN
4380	< 30 minutes	NaN
4564	< 30 minutes	NaN

4911	< 30 minutes	NaN
4919	< 30 minutes	Aundre Johnson
5499	< 30 minutes	Ava DuVernay
5874	< 30 minutes	NaN
5966	< 30 minutes	NaN
6054	< 30 minutes	NaN
6280	< 30 minutes	NaN
6437	1-2 hour	Chris Bould
6676	1-2 hour	Lisa France
6697	< 30 minutes	NaN
6827	< 30 minutes	NaN
6842	< 30 minutes	NaN
6982	< 30 minutes	NaN
7177	1-2 hour	NaN
7199	< 30 minutes	NaN
8012	1-2 hour	Bill Butler, William A. Graham
8298	< 30 minutes	NaN
8650	< 30 minutes	NaN
8754	< 30 minutes	NaN
		Writer \
42		NaN
206		NaN
218		Ryan Sage
403		NaN
575		NaN
704	Muhammad Usamah Zaid, Shafiq Isa, Faqihin Mohd...	
865	Quentin Tarantino, Roger Avary	
1127	Aunty Donna	
1138		NaN
1180		NaN
1337		NaN

1593	Phin Glynn, Simon Evans
1595	Bong Joon Ho, Jin-won Han
1641	NaN
1904	Julian Fellowes
2113	Jed Mercurio
2174	NaN
2907	NaN
3184	NaN
3261	NaN
3475	NaN
3554	Paola Boncompagni, Rosa Russo
3909	NaN
4102	NaN
4380	NaN
4564	NaN
4911	NaN
4919	Andrew John Rainnie, Aundre Johnson
5499	Ava DuVernay
5874	NaN
5966	NaN
6054	NaN
6280	Ryan Murphy, Steven Canals, Brad Falchuk
6437	Bill Hicks
6676	NaN
6697	NaN
6827	NaN
6842	NaN
6982	Mike Flanagan
7177	NaN
7199	Kurt Mueller, Luke Pearson, Stephanie Simpson
8012	Gian Carlo Menotti
8298	NaN
8650	Michael Palin, Terry Jones, Graham Chapman, Te...
8754	Grant Orchard

	Actors	...	\
42	Jeff Lewis	...	
206	Ian Loghan-Swagger, Martina Méndez, Miguel Alo...	...	
218	Anna Bocci, Jonelle Allen, Seth Peterson, Geor...	...	
403	Andy Puddicombe	...	
575	William Beeman, Mohammed Ghaffari, Tony Kushne...	...	
704	Abu Shafian Abd Hamid, Altimet, Amir Bamer, Fa...	...	
865	Tim Roth, Amanda Plummer, Laura Lovelace, John...	...	
1127	Zachary Ruane, Mark Samuel Bonanno, Broden Kelly	...	
1138	Adam Ashcraft, Dale Ashcraft, Debbie Ashcraft,...	...	
1180	Leah Remini, Mike Rinder	...	
1337	David Attenborough, Max Hughes	...	
1593	Anna Lundberg, Michael Sheen, David Tennant, G...	...	
1595	Yeo-jeong Cho, Lee Sun-kyun, Kang-ho Song, Cho...	...	

1641	Ralph Macchio, William Zabka, Xolo Maridueña, ...	...
1904	Brendan Coyle, Jim Carter, Laura Carmichael, H...	...
2113	Vicky McClure, Martin Compston, Adrian Dunbar,...	...
2174	Su Ling Chan	...
2907	Charlie Ottley	...
3184	David Langer, Mirtha Macri, John Boockvar, Ama...	...
3261	David Holt, Marcel McCalla, Beth Chalmers, Ter...	...
3475	Michael Jordan, David Aldridge, Phil Jackson, ...	...
3554	Oona Pöykkö, Sunday Night, Noura Ziréi, Marian...	...
3909	Ada Afoluwake Ogunkeye	...
4102	Iza Calzado, Bea Alonzo, Ian Veneracion	...
4380	William Kirk, Steven Fletcher, Jay Blades, Bil...	...
4564	Derek Jacobi, James Holland, Geoffrey Wawro	...
4911	Erik Thompson, Alex Filippenko	...
4919	Tony Moras, Susanna Musotto, Peter Jason, Tarr...	...
5499	Marquis Rodriguez, Caleel Harris, Asante Black...	...
5874	David Attenborough	...
5966	Michael Pongracz	...
6054	Valtteri Bottas, Pierre Gasly, Will Buxton, Ro...	...
6280	Indya Moore, Angel Bismark Curiel, Mj Rodrigue...	...
6437	Bill Hicks	...
6676	J.A. Streeter, Lisa France, Christopher Kawas,...	...
6697	Paul Hollywood, Mary Berry, Mel Giedroyc, Sue ...	...
6827	Mano Maniam, Joanna Bessey, Tan Jin Chor, Doug...	...
6842	Paul Hollywood, Mary Berry, Mel Giedroyc, Sue ...	...
6982	Carla Gugino, Henry Thomas, Elizabeth Reaser, ...	...
7177	NaN	...
7199	Oliver Nelson, Daisy Haggard, Bella Ramsey, Am...	...
8012	Patricia Neway, Evelyn Sachs, Leon Lishner, Ch...	...
8298	Yoo Yeon-Seok, Min-Jung Kim, Kim Tae-ri, Lee B...	...
8650	Michael Palin, Graham Chapman, Eric Idle, Terr...	...
8754	Alexander Armstrong, Duke Davis, Alfie Sanders...	...

	Rotten Tomatoes Score	Metacritic Score	Awards Nominated For \
42	NaN	NaN	3.0
206	NaN	NaN	NaN
218	NaN	NaN	NaN
403	NaN	NaN	NaN
575	NaN	NaN	NaN
704	NaN	NaN	2.0
865	92.0	94.0	75.0
1127	NaN	NaN	NaN
1138	100.0	NaN	3.0
1180	NaN	NaN	10.0
1337	NaN	72.0	2.0
1593	NaN	NaN	NaN
1595	98.0	96.0	262.0
1641	NaN	NaN	11.0
1904	NaN	NaN	226.0

2113	NaN	NaN	41.0
2174	NaN	NaN	NaN
2907	NaN	NaN	NaN
3184	NaN	NaN	1.0
3261	NaN	NaN	NaN
3475	NaN	NaN	4.0
3554	NaN	NaN	4.0
3909	NaN	NaN	NaN
4102	NaN	NaN	NaN
4380	NaN	NaN	1.0
4564	NaN	NaN	NaN
4911	NaN	NaN	NaN
4919	NaN	NaN	NaN
5499	NaN	NaN	73.0
5874	NaN	NaN	19.0
5966	NaN	NaN	NaN
6054	NaN	NaN	7.0
6280	NaN	NaN	70.0
6437	NaN	NaN	NaN
6676	NaN	NaN	NaN
6697	NaN	NaN	18.0
6827	NaN	NaN	NaN
6842	NaN	NaN	18.0
6982	NaN	NaN	32.0
7177	NaN	NaN	NaN
7199	NaN	NaN	6.0
8012	NaN	NaN	NaN
8298	NaN	NaN	8.0
8650	NaN	NaN	7.0
8754	NaN	NaN	2.0

	Boxoffice	Release Date	Netflix	Release Date	\
42	NaN	2010-10-12		2021-01-03	
206	NaN	2016-06-24		2021-04-02	
218	NaN	2005-08-30		2021-04-02	
403	NaN	2021-01-01		2021-01-01	
575	NaN	NaT		NaT	
704	NaN	2019-11-28		2020-12-12	
865	107928762.0	1994-10-14		2020-01-12	
1127	NaN	2016-02-11		2020-12-11	
1138	NaN	2006-07-28		2020-10-11	
1180	NaN	2016-11-29		2020-03-11	
1337	NaN	2020-10-04		2020-04-10	
1593	NaN	2020-06-10		2020-04-09	
1595	53369749.0	2019-11-08		2020-03-09	
1641	NaN	2018-05-02		NaT	
1904	NaN	2011-01-09		NaT	
2113	NaN	2012-08-21		NaT	
2174	NaN	2010-09-01		NaT	
2907	NaN	2018-03-20		2020-11-09	

3184	NaN	2020-06-10	2020-10-06
3261	NaN	2017-01-23	NaT
3475	NaN	2020-04-19	NaT
3554	NaN	2019-02-02	2020-08-04
3909	NaN	2016-07-12	2020-03-02
4102	NaN	2017-01-09	2020-03-01
4380	NaN	2017-03-27	2019-01-12
4564	NaN	2019-11-08	2019-08-11
4911	NaN	2007-05-29	NaT
4919	NaN	2008-05-14	NaT
5499	NaN	2019-05-31	NaT
5874	NaN	2019-04-05	2019-05-04
5966	NaN	2015-10-30	NaT
6054	NaN	2019-03-08	2019-08-03
6280	NaN	2018-06-03	NaT
6437	NaN	NaT	NaT
6676	NaN	2017-10-13	2018-01-12
6697	NaN	2010-08-17	NaT
6827	NaN	NaT	2018-02-11
6842	NaN	2010-08-17	2018-01-11
6982	NaN	2018-10-12	2018-12-10
7177	NaN	2017-01-25	NaT
7199	NaN	2018-09-21	NaT
8012	NaN	NaT	NaT
8298	NaN	2018-07-07	2018-07-07
8650	NaN	2069-10-05	NaT
8754	NaN	2014-12-17	NaT

	Netflix Link	IMDb	Votes \
42	https://www.netflix.com/watch/81351808		41.0
206	https://www.netflix.com/watch/81382082		7.0
218	https://www.netflix.com/watch/81382140		37.0
403	https://www.netflix.com/watch/81280926		819.0
575	https://www.netflix.com/watch/81314960		12.0
704	https://www.netflix.com/watch/81277553		858.0
865	https://www.netflix.com/watch/81342987	1831004.0	
1127	https://www.netflix.com/watch/81009617		74.0
1138	https://www.netflix.com/watch/81284341		238.0
1180	https://www.netflix.com/watch/81229101		4894.0
1337	https://www.netflix.com/watch/80216393		24796.0
1593	https://www.netflix.com/watch/81329676		3624.0
1595	https://www.netflix.com/watch/81221938		566337.0
1641	https://www.netflix.com/watch/81002370		109970.0
1904	https://www.netflix.com/watch/81086533		163856.0
2113	https://www.netflix.com/watch/80225243		33987.0
2174	https://www.netflix.com/watch/81252549		66.0
2907	https://www.netflix.com/watch/81285938		365.0
3184	https://www.netflix.com/watch/80201728		1778.0
3261	https://www.netflix.com/watch/81272431		90.0

3475	https://www.netflix.com/watch/80203144	79011.0
3554	https://www.netflix.com/watch/81248442	10.0
3909	https://www.netflix.com/watch/81164099	19.0
4102	https://www.netflix.com/watch/81039709	29.0
4380	https://www.netflix.com/watch/81224128	899.0
4564	https://www.netflix.com/watch/80989924	5276.0
4911	https://www.netflix.com/watch/70143831	5252.0
4919	https://www.netflix.com/watch/70148130	9.0
5499	https://www.netflix.com/watch/80200549	92968.0
5874	https://www.netflix.com/watch/80049832	32985.0
5966	https://www.netflix.com/watch/81065840	14.0
6054	https://www.netflix.com/watch/80204890	19572.0
6280	https://www.netflix.com/watch/80241986	19123.0
6437	https://www.netflix.com/watch/70059483	2355.0
6676	https://www.netflix.com/watch/81024500	63.0
6697	https://www.netflix.com/watch/81013505	6815.0
6827	https://www.netflix.com/watch/80136795	24.0
6842	https://www.netflix.com/watch/81014239	6815.0
6982	https://www.netflix.com/watch/80189221	182945.0
7177	https://www.netflix.com/watch/80990163	16.0
7199	https://www.netflix.com/watch/80115346	7041.0
8012	https://www.netflix.com/watch/81035878	8.0
8298	https://www.netflix.com/watch/80991107	4183.0
8650	https://www.netflix.com/watch/70213238	67538.0
8754	https://www.netflix.com/watch/80989192	772.0

	Release Difference (Years)	Total Rating
42	10.235616	17.9
206	4.775342	19.1
218	15.600000	17.9
403	0.000000	17.5
575	NaN	18.0
704	1.041096	17.5
865	25.263014	13.5
1127	4.835616	18.2
1138	14.216438	18.3
1180	3.282192	16.2
1337	-0.484932	13.1
1593	-0.169863	16.2
1595	0.334247	13.3
1641	NaN	12.9
1904	NaN	13.0
2113	NaN	13.0
2174	NaN	17.9
2907	2.643836	19.1
3184	0.323288	17.2
3261	NaN	18.5
3475	NaN	13.8
3554	1.504110	18.6

3909	3.641096	17.9
4102	3.142466	18.3
4380	1.797260	17.6
4564	-0.243836	15.4
4911	NaN	15.4
4919	NaN	17.9
5499	NaN	13.4
5874	0.079452	14.0
5966	NaN	17.9
6054	0.405479	12.9
6280	NaN	12.9
6437	NaN	16.9
6676	0.249315	17.9
6697	NaN	14.5
6827	NaN	18.2
6842	7.408219	14.5
6982	0.161644	12.9
7177	NaN	18.8
7199	NaN	14.4
8012	NaN	18.6
8298	0.000000	16.1
8650	NaN	13.2
8754	NaN	18.0

[45 rows x 22 columns]