

DataSet Kaggle

April 22, 2024

1 DataSet Kaggle

1.1 1.0 Caricamento e Visualizzazione dei Dati dei Titoli Netflix

```
[99]: # Importa le librerie, carica il file csv nel dataframe e lo stampa
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns
percorso_file_csv = "C:\\Users\\zetam\\Desktop\\2_
↳Superiore\\Robotica\\netflix_titles.csv"
df = pd.read_csv(percorso_file_csv)
print(df)
```

	show_id	type	title	director	\
0	s1	Movie	Dick Johnson Is Dead	Kirsten Johnson	
1	s2	TV Show	Blood & Water	NaN	
2	s3	TV Show	Ganglands	Julien Leclercq	
3	s4	TV Show	Jailbirds New Orleans	NaN	
4	s5	TV Show	Kota Factory	NaN	
...	
8802	s8803	Movie	Zodiac	David Fincher	
8803	s8804	TV Show	Zombie Dumb	NaN	
8804	s8805	Movie	Zombieland	Ruben Fleischer	
8805	s8806	Movie	Zoom	Peter Hewitt	
8806	s8807	Movie	Zubaan	Mozez Singh	

		cast	country	\
0		NaN	United States	
1	Ama Qamata, Khosi Ngema, Gail Mabalane, Thaban...		South Africa	
2	Sami Bouajila, Tracy Gotoas, Samuel Jouy, Nabi...		NaN	
3		NaN	NaN	
4	Mayur More, Jitendra Kumar, Ranjan Raj, Alam K...		India	
...		
8802	Mark Ruffalo, Jake Gyllenhaal, Robert Downey J...		United States	
8803		NaN	NaN	
8804	Jesse Eisenberg, Woody Harrelson, Emma Stone, ...		United States	
8805	Tim Allen, Courteney Cox, Chevy Chase, Kate Ma...		United States	

8806 Vicky Kaushal, Sarah-Jane Dias, Raaghav Chanan... India

	date_added	release_year	rating	duration	\
0	September 25, 2021	2020	PG-13	90 min	
1	September 24, 2021	2021	TV-MA	2 Seasons	
2	September 24, 2021	2021	TV-MA	1 Season	
3	September 24, 2021	2021	TV-MA	1 Season	
4	September 24, 2021	2021	TV-MA	2 Seasons	
...	
8802	November 20, 2019	2007	R	158 min	
8803	July 1, 2019	2018	TV-Y7	2 Seasons	
8804	November 1, 2019	2009	R	88 min	
8805	January 11, 2020	2006	PG	88 min	
8806	March 2, 2019	2015	TV-14	111 min	

	listed_in	\
0	Documentaries	
1	International TV Shows, TV Dramas, TV Mysteries	
2	Crime TV Shows, International TV Shows, TV Act...	
3	Docuseries, Reality TV	
4	International TV Shows, Romantic TV Shows, TV ...	
...	...	
8802	Cult Movies, Dramas, Thrillers	
8803	Kids' TV, Korean TV Shows, TV Comedies	
8804	Comedies, Horror Movies	
8805	Children & Family Movies, Comedies	
8806	Dramas, International Movies, Music & Musicals	

	description
0	As her father nears the end of his life, filmm...
1	After crossing paths at a party, a Cape Town t...
2	To protect his family from a powerful drug lor...
3	Feuds, flirtations and toilet talk go down amo...
4	In a city of coaching centers known to train I...
...	...
8802	A political cartoonist, a crime reporter and a...
8803	While living alone in a spooky town, a young g...
8804	Looking to survive in a world taken over by zo...
8805	Dragged from civilian life, a former superhero...
8806	A scrappy but poor boy worms his way into a ty...

[8807 rows x 12 columns]

1.2 1.1 Identificazione del Tipo di Programma più Frequente nei Titoli Netflix

```
[41]: # Conta quante volte compare ogni tipo di programma e stampa quello con il
      ↪ numero maggiore
      # utilizzando il metodo idxmax
      import pandas as pd
      percorso_file_csv = "C:\\Users\\zetam\\Desktop\\2_
      ↪ Superiore\\Robotica\\netflix_titles.csv"
      df = pd.read_csv(percorso_file_csv)
      tipo_programma = df['type'].value_counts().idxmax()
      print(tipo_programma)
```

[41]: 'Movie'

1.3 1.2 Conteggio dei Programmi Netflix per Anno di Rilascio

```
[11]: # Conta quanti programmi ci sono per ogni anno e stampa i numeri
      import pandas as pd

      anno_programma = df['release_year'].value_counts()
      print(anno_programma)
```

```
release_year
2018      1147
2017      1032
2019      1030
2020       953
2016       902
...
1959         1
1925         1
1961         1
1947         1
1966         1
Name: count, Length: 74, dtype: int64
```

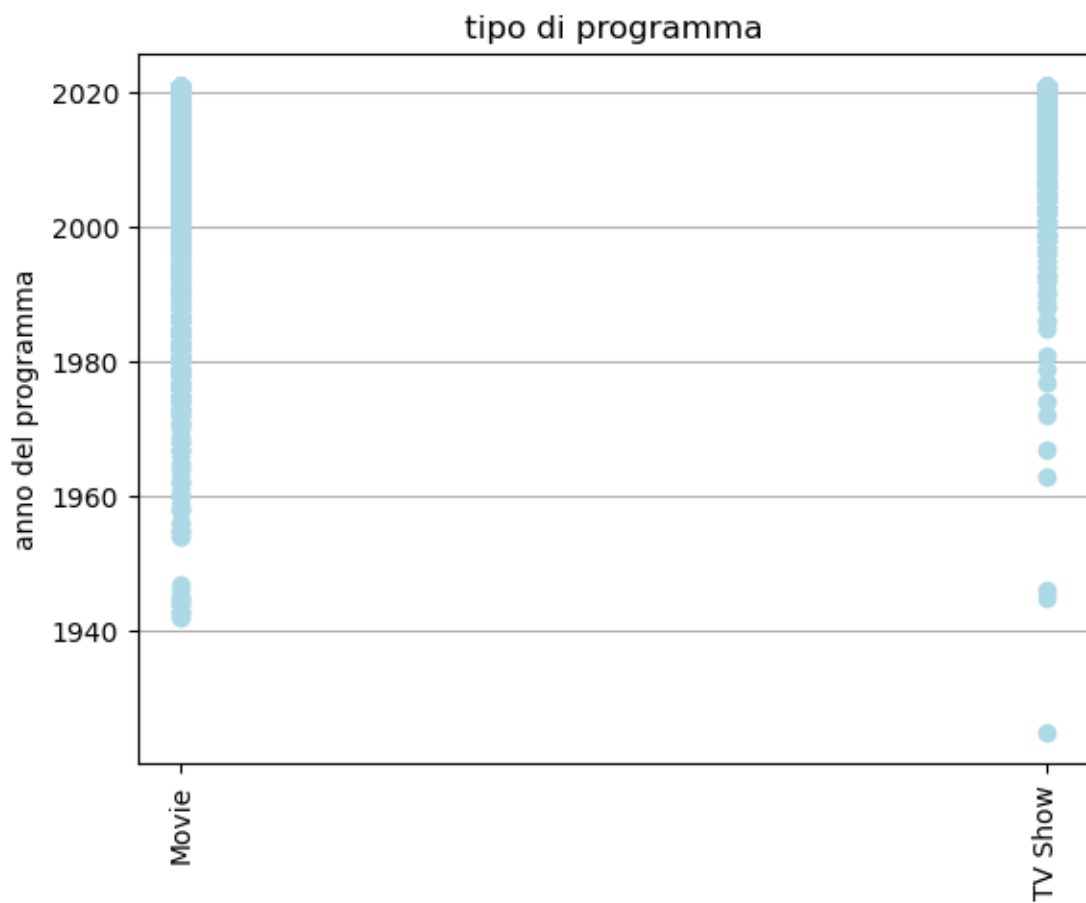
1.4 1.3 Identificazione dell'Anno con il Maggior Numero di Programmi Netflix

```
[12]: # Conta quanti programmi ci sono per ogni anno e stampa l'anno che ne ha di più
      import pandas as pd
      anno_prog = df['release_year'].value_counts().idxmax()
      print(anno_prog)
```

2018

1.5 1.4 Visualizzazione della Distribuzione dei Tipi di Programmi Netflix nel Corso degli Anni

```
[38]: # Grafico a dispersione che mostra la distribuzione dei tipi di programmi negli anni
      ↪anni
import matplotlib.pyplot as plt
plt.plot(df['type'],df['release_year'], marker='o', linestyle='',
      ↪color='lightblue')
plt.title('tipo di programma')
plt.ylabel('anno del programma')
plt.xticks(rotation=90)
plt.grid(True, axis="y")
plt.show()
```



1.6 1.5 Identificazione e Stampa delle Righe con Valori Mancanti nel DataFrame

```
[40]: # identifica le righe con valori mancanti e lo stampa
righe_con_dati_mancanti = df[df.isnull().any(axis=1)]
righe_con_dati_mancanti
```

```
[40]:
```

	show_id	type	title	director	\
0	s1	Movie	Dick Johnson Is Dead	Kirsten Johnson	
1	s2	TV Show	Blood & Water	NaN	
2	s3	TV Show	Ganglands	Julien Leclercq	
3	s4	TV Show	Jailbirds New Orleans	NaN	
4	s5	TV Show	Kota Factory	NaN	
...	
8795	s8796	TV Show	Yu-Gi-Oh! Arc-V	NaN	
8796	s8797	TV Show	Yunus Emre	NaN	
8797	s8798	TV Show	Zak Storm	NaN	
8800	s8801	TV Show	Zindagi Gulzar Hai	NaN	
8803	s8804	TV Show	Zombie Dumb	NaN	

	cast	\
0	NaN	
1	Ama Qamata, Khosi Ngema, Gail Mabalane, Thaban...	
2	Sami Bouajila, Tracy Gotoas, Samuel Jouy, Nabi...	
3	NaN	
4	Mayur More, Jitendra Kumar, Ranjan Raj, Alam K...	
...	...	
8795	Mike Liscio, Emily Bauer, Billy Bob Thompson, ...	
8796	Gökhan Atalay, Payidar Tüfekçioğlu, Baran Akbu...	
8797	Michael Johnston, Jessica Gee-George, Christin...	
8800	Sanam Saeed, Fawad Khan, Ayesha Omer, Mehreen ...	
8803	NaN	

	country	date_added	\
0	United States	September 25, 2021	
1	South Africa	September 24, 2021	
2	NaN	September 24, 2021	
3	NaN	September 24, 2021	
4	India	September 24, 2021	
...	
8795	Japan, Canada	May 1, 2018	
8796	Turkey	January 17, 2017	
8797	United States, France, South Korea, Indonesia	September 13, 2018	
8800	Pakistan	December 15, 2016	
8803	NaN	July 1, 2019	

	release_year	rating	duration	\
0	2020	PG-13	90 min	

1	2021	TV-MA	2 Seasons
2	2021	TV-MA	1 Season
3	2021	TV-MA	1 Season
4	2021	TV-MA	2 Seasons
...
8795	2015	TV-Y7	2 Seasons
8796	2016	TV-PG	2 Seasons
8797	2016	TV-Y7	3 Seasons
8800	2012	TV-PG	1 Season
8803	2018	TV-Y7	2 Seasons

	listed_in \
0	Documentaries
1	International TV Shows, TV Dramas, TV Mysteries
2	Crime TV Shows, International TV Shows, TV Act...
3	Docuseries, Reality TV
4	International TV Shows, Romantic TV Shows, TV ...
...	...
8795	Anime Series, Kids' TV
8796	International TV Shows, TV Dramas
8797	Kids' TV
8800	International TV Shows, Romantic TV Shows, TV ...
8803	Kids' TV, Korean TV Shows, TV Comedies

	description
0	As her father nears the end of his life, filmm...
1	After crossing paths at a party, a Cape Town t...
2	To protect his family from a powerful drug lor...
3	Feuds, flirtations and toilet talk go down amo...
4	In a city of coaching centers known to train I...
...	...
8795	Now that he's discovered the Pendulum Summonin...
8796	During the Mongol invasions, Yunus Emre leaves...
8797	Teen surfer Zak Storm is mysteriously transpor...
8800	Strong-willed, middle-class Kashaf and carefre...
8803	While living alone in a spooky town, a young g...

[3475 rows x 12 columns]

1.7 1.6 Calcolo e Stampa del Numero Totale di Righe con Dati Mancanti

```
[42]: # calcola il numero totale di righe con dati mancanti e lo assegna alla
      ↪variabile tot_dati_mancanti e poi la stampa
      alla variabile tot_dati_mancanti
      tot_dati_mancanti = righe_con_dati_mancanti.shape[0]
      tot_dati_mancanti
```

[42]: 3475

1.8 1.7 Identificazione e Rimozione delle Righe con Valori Mancanti dal DataFrame

```
[43]: # identifica le righe con valori mancanti e le rimuove dal dataframe df1, poi  
      ↪ lo stampa  
      df1=df.dropna(inplace=False)  
      df1
```

```
[43]:
```

	show_id	type	title	director \
7	s8	Movie	Sankofa	Haile Gerima
8	s9	TV Show	The Great British Baking Show	Andy Devonshire
9	s10	Movie	The Starling	Theodore Melfi
12	s13	Movie	Je Suis Karl	Christian Schwochow
24	s25	Movie	Jeans	S. Shankar
...
8801	s8802	Movie	Zinzana	Majid Al Ansari
8802	s8803	Movie	Zodiac	David Fincher
8804	s8805	Movie	Zombieland	Ruben Fleischer
8805	s8806	Movie	Zoom	Peter Hewitt
8806	s8807	Movie	Zubaan	Mozez Singh

	cast \
7	Kofi Ghanaba, Oyafunmike Ogunlano, Alexandra D...
8	Mel Giedroyc, Sue Perkins, Mary Berry, Paul Ho...
9	Melissa McCarthy, Chris O'Dowd, Kevin Kline, T...
12	Luna Wedler, Jannis Niewöhner, Milan Peschel, ...
24	Prashanth, Aishwarya Rai Bachchan, Sri Lakshmi...
...	...
8801	Ali Suliman, Saleh Bakri, Yasa, Ali Al-Jabri, ...
8802	Mark Ruffalo, Jake Gyllenhaal, Robert Downey J...
8804	Jesse Eisenberg, Woody Harrelson, Emma Stone, ...
8805	Tim Allen, Courteney Cox, Chevy Chase, Kate Ma...
8806	Vicky Kaushal, Sarah-Jane Dias, Raaghav Chanan...

	country	date_added \
7	United States, Ghana, Burkina Faso, United Kin...	September 24, 2021
8	United Kingdom	September 24, 2021
9	United States	September 24, 2021
12	Germany, Czech Republic	September 23, 2021
24	India	September 21, 2021
...
8801	United Arab Emirates, Jordan	March 9, 2016
8802	United States	November 20, 2019
8804	United States	November 1, 2019
8805	United States	January 11, 2020

8806

India

March 2, 2019

	release_year	rating	duration	\	listed_in	\	description
7	1993	TV-MA	125 min		Dramas, Independent Movies, International Movies		On a photo shoot in Ghana, an American model s...
8	2021	TV-14	9 Seasons		British TV Shows, Reality TV		A talented batch of amateur bakers face off in...
9	2021	PG-13	104 min		Comedies, Dramas		A woman adjusting to life after a loss contend...
12	2021	TV-MA	127 min		Dramas, International Movies		After most of her family is murdered in a terr...
24	1998	TV-14	166 min		Comedies, International Movies, Romantic Movies		When the father of the man she loves insists t...
...
8801	2015	TV-MA	96 min		Dramas, International Movies, Thrillers		Recovering alcoholic Talal wakes up inside a s...
8802	2007	R	158 min		Cult Movies, Dramas, Thrillers		A political cartoonist, a crime reporter and a...
8804	2009	R	88 min		Comedies, Horror Movies		Looking to survive in a world taken over by zo...
8805	2006	PG	88 min		Children & Family Movies, Comedies		Dragged from civilian life, a former superhero...
8806	2015	TV-14	111 min		Dramas, International Movies, Music & Musicals		A scrappy but poor boy worms his way into a ty...

[5332 rows x 12 columns]

1.9 1.8 Creazione di una Matrice Booleana per Indicare Valori Mancanti nel DataFrame

```
[44]: # Utilizza il metodo isnull() sul DataFrame df per creare una matrice booleana
      ↪ (valori True o False)
      # missing_matrix che indica se c'è un valore mancante (NaN) in ciascuna
      ↪ posizione del DataFrame.
import pandas as pd
import seaborn as sns
import matplotlib.pyplot as plt
import numpy as np
missing_matrix = df.isnull()
missing_matrix
```

```
[44]:
```

	show_id	type	title	director	cast	country	date_added	\
0	False	False	False	False	True	False	False	
1	False	False	False	True	False	False	False	
2	False	False	False	False	False	True	False	
3	False	False	False	True	True	True	False	
4	False	False	False	True	False	False	False	
...	
8802	False	False	False	False	False	False	False	
8803	False	False	False	True	True	True	False	
8804	False	False	False	False	False	False	False	
8805	False	False	False	False	False	False	False	
8806	False	False	False	False	False	False	False	

	release_year	rating	duration	listed_in	description
0	False	False	False	False	False
1	False	False	False	False	False
2	False	False	False	False	False
3	False	False	False	False	False
4	False	False	False	False	False
...
8802	False	False	False	False	False
8803	False	False	False	False	False
8804	False	False	False	False	False
8805	False	False	False	False	False
8806	False	False	False	False	False

[8807 rows x 12 columns]

1.10 1.9 Selezione e Stampa dei Nomi delle Colonne Numeriche del DataFrame

```
[49]: # seleziona le colonne del Df che contengono dati numerici e le mette nella
      ↪ variabile numeric_cols, e poi stampa il nome delle colonne
numeric_cols = df.select_dtypes(include=['number'])
```

```
numeric_cols.columns
```

```
[49]: Index(['release_year'], dtype='object')
```

1.11 2.0 Calcolo del Numero di Valori Mancanti per Ogni Colonna in un DataFrame

```
[51]: # calcola il numero di valori mancanti per ogni colonna
df.isnull().sum()
```

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

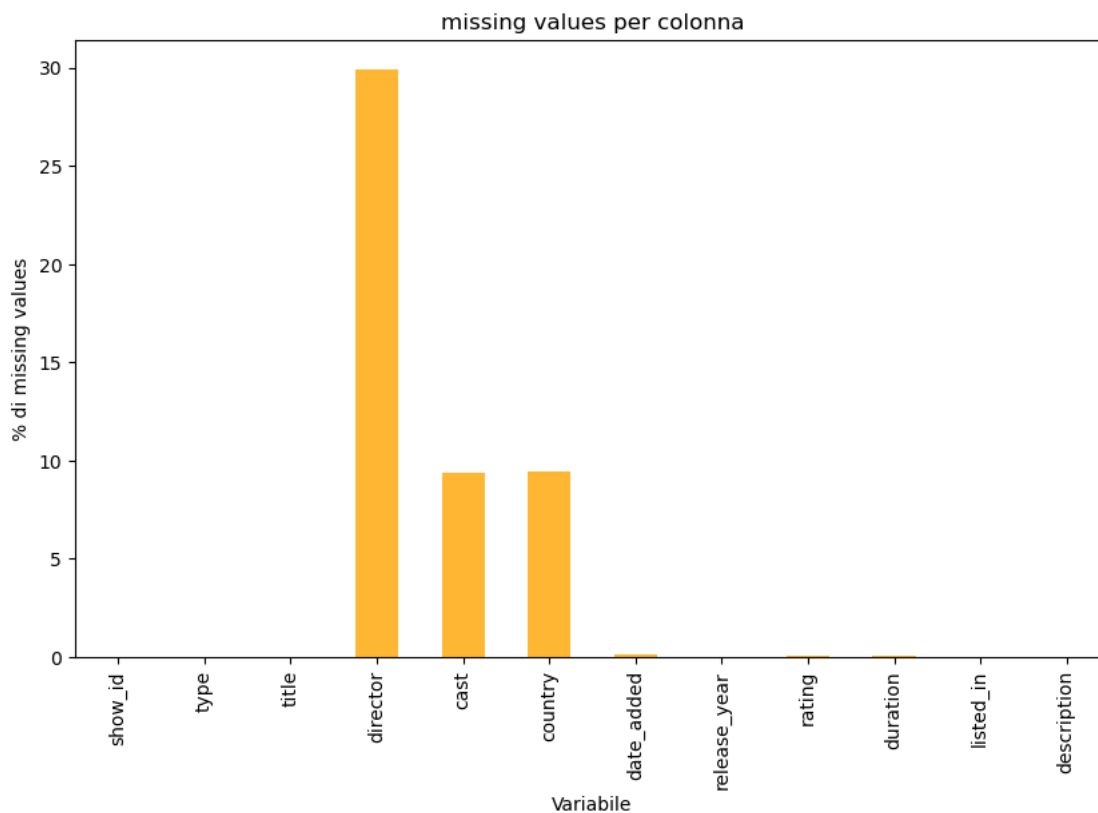
1.12 2.1 Calcolo della Percentuale di Valori Mancanti per Ogni Colonna in un DataFrame

```
[53]: # calcola per ogni colonna la percentuale di valori mancanti su tutte le righe
      ↳ del dataframe
missing_percent = df.isnull().sum() / len(df) * 100
missing_percent
```

```
[53]: show_id          0.000000
      type            0.000000
      title           0.000000
      director       29.908028
      cast           9.367549
      country        9.435676
      date_added      0.113546
      release_year    0.000000
      rating          0.045418
      duration        0.034064
      listed_in       0.000000
      description     0.000000
      dtype: float64
```

1.13 2.2 Calcolo della Percentuale di Valori Mancanti per Ogni Colonna in un DataFrame e Creazione del Grafico a Barre Corrispondente

```
[62]: # calcola per ogni colonna la percentuale di valori mancanti su tutte le righe
      ↪ del dataframe e poi crea il grafico a barre
missing_percent= (df.isnull().sum()) / len(df) * 100
plt.figure(figsize=(10,6))
missing_percent.plot(kind='bar', color='orange', alpha=0.8)
plt.xlabel('Variabile')
plt.ylabel('% di missing values')
plt.title('missing values per colonna')
plt.xticks(rotation=90)
plt.show()
```



1.14 2.3 Visualizzazione dell'Andamento dei Paesi Produttori nel Tempo tramite un Grafico Lineare e un Box Plot

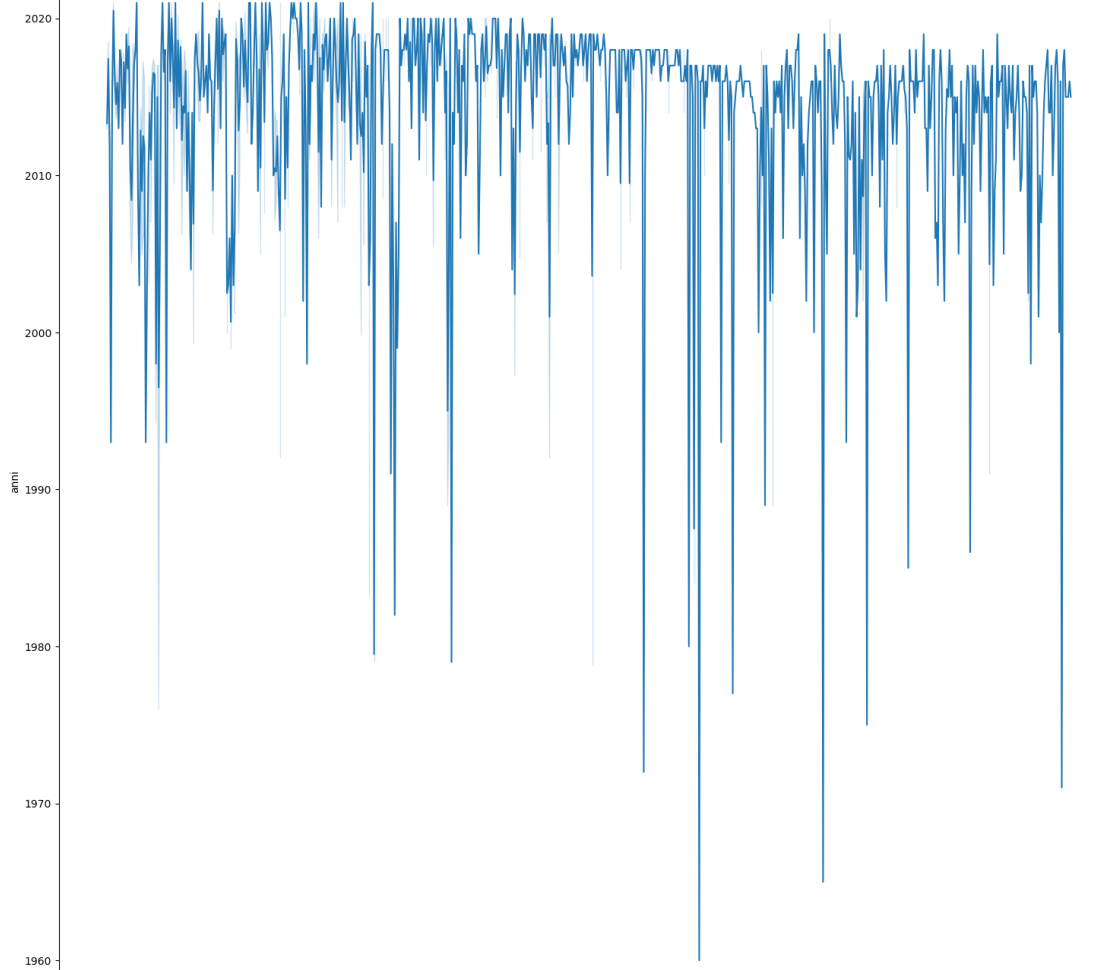
```
[66]: # Visualizza un grafico dei paesi produttori nel tempo
plt.figure(figsize=(2^16, 2^16))
sns.lineplot(x='country', y='release_year', data=df)
plt.title('Andamento dei paesi produttori nel tempo')
```

```

plt.xlabel('country')
plt.ylabel('anni')
plt.xticks(rotation=90)
plt.show()
# Visualizza una box plot dei paesi produttori nel tempo
plt.figure(figsize=(2^16, 2^16))
sns.boxplot(x='country', y='release_year', data=df)
plt.title('Box Plot dei paesi produttori negli anni')
plt.xlabel('paesi')
plt.ylabel('anni')
plt.xticks(rotation=90)
plt.show()

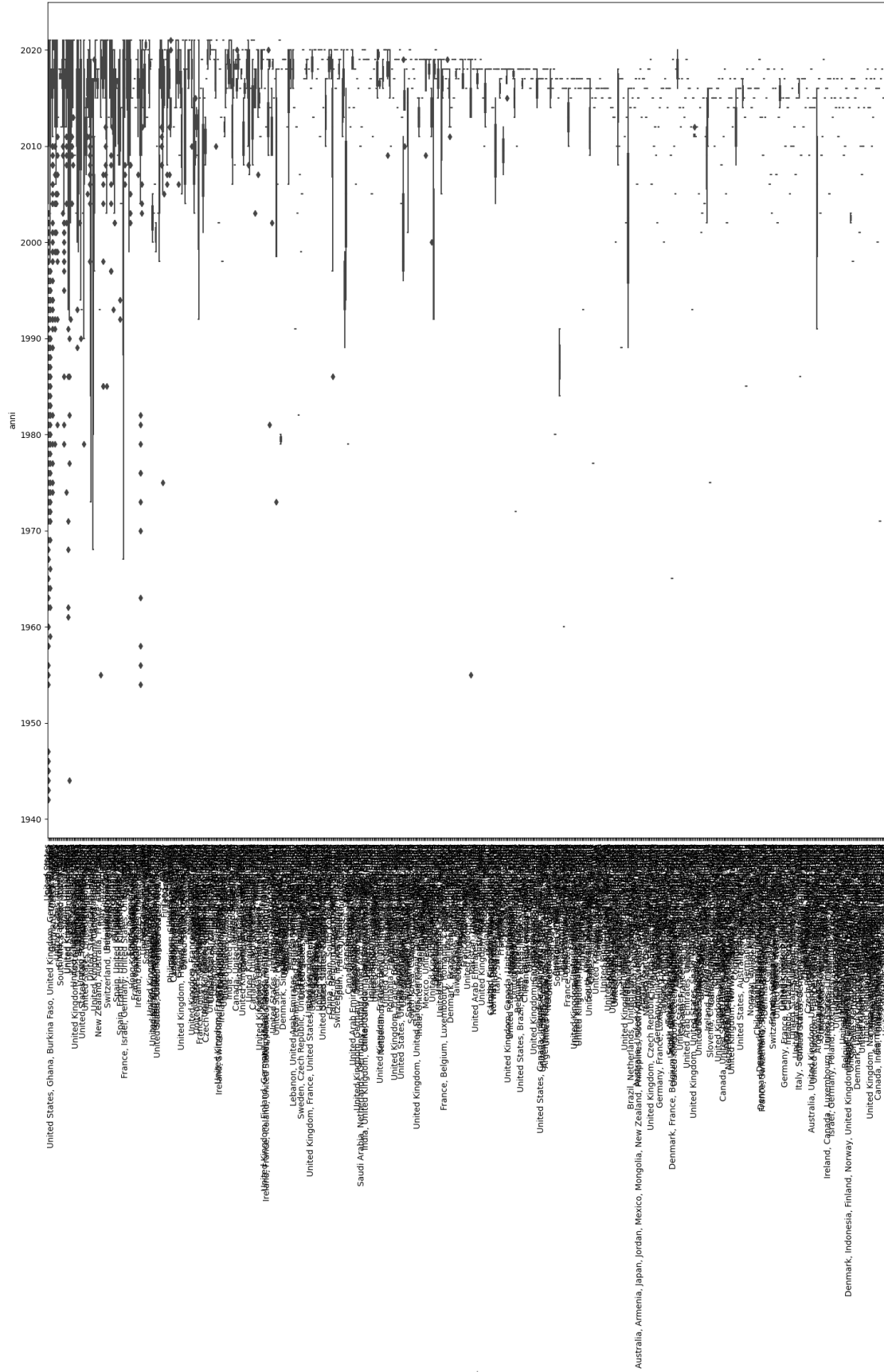
```

Andamento dei paesi produttori nel tempo

[illegible]

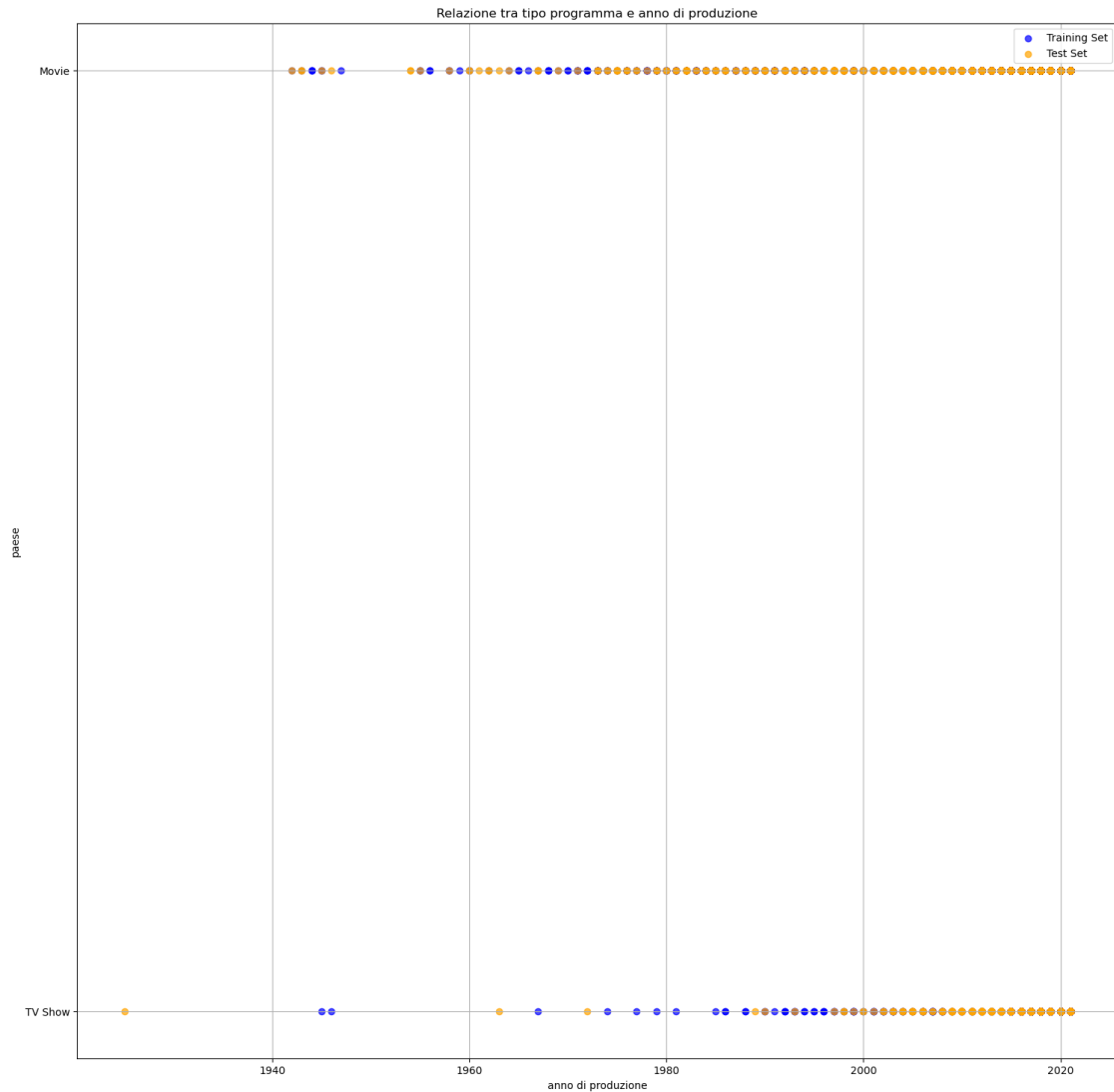
country

Box Plot dei paesi produttori negli anni



1.15 2.4 Suddivisione del Dataset in Training e Test Set, Creazione di un Grafico a Dispersione e Stampa delle Dimensioni dei Set

```
[70]: import numpy as np
import matplotlib.pyplot as plt
from sklearn.model_selection import train_test_split
# Suddivisione del dataset in training set (70%) e test set (30%)
X_train, X_test, y_train, y_test = \
    ↪train_test_split(df['release_year'], df['type'], test_size=0.3, \
    ↪random_state=42)
# Creazione di un grafico a dispersione
plt.figure(figsize=(2^16, 2^16))
plt.scatter(X_train, y_train, label='Training Set', color='blue', alpha=0.7)
plt.scatter(X_test, y_test, label='Test Set', color='orange', alpha=0.7)
plt.xlabel('anno di produzione')
plt.ylabel('paese')
plt.title('Relazione tra tipo programma e anno di produzione')
plt.legend()
plt.grid(True)
plt.show()
# Stampare le dimensioni dei training set e test set
print("Dimensioni del Training Set (tipo programma e anno di produzione):
    ↪", X_train.shape, y_train.shape)
print("Dimensioni del Test Set (tipo programma e anno di produzione):", X_test.
    ↪shape, y_test.shape)
```

Dimensioni del Training Set (tipo programma e anno di produzione): (6164,)
(6164,)

Dimensioni del Test Set (tipo programma e anno di produzione): (2643,) (2643,)

1.16 2.5 Creazione di Tre Subset Casuali da un DataFrame

```
[100]: # Creare tre subset di dimensioni simili
# primo subset: campione causale di 1/3 delle righe del df di partenza
subset1 = df.sample(frac=1/3)
# stampa il numero di righe del subset1
l1=len(subset1)
print(l1)
df = df.drop(subset1.index)
```

```

# secondo subset: campione casuale con metà delle righe rimanenti (la metà dei
↳2/3 rimanenti)
subset2 = df.sample(frac=1/2)
# stampa il numero di righe del subset2
l2=len(subset2)
print(l2)
df = df.drop(subset2.index)
# terzo subset: le righe restanti
subset3 = df
# stampa il numero di righe del subset3
l3=len(subset3)
print(l3)

```

2936
2936
2935

1.17 2.6 Calcolo delle Percentuali dei Valori Unici per il Paese nel Subset1

```

[101]: percentuali_subset1 = subset1['country'].value_counts(normalize=True)
percentuali_subset1

```

```

[101]: country
United States          0.348907
India                  0.114544
United Kingdom         0.061417
Japan                  0.034288
South Korea            0.027129
...
Canada, Australia      0.000377
South Korea, Canada, United States, China 0.000377
Norway, United States  0.000377
Australia, New Zealand, United States 0.000377
Taiwan, China, France, United States 0.000377
Name: proportion, Length: 304, dtype: float64

```

1.18 2.7 Visualizzazione delle Distribuzioni dei Valori 'Country' nei Tre Subset con Grafici a Torta

```

[103]: percentuali_subset1 = subset1['country'].value_counts(normalize=True)
percentuali_subset2 = subset2['country'].value_counts(normalize=True)
percentuali_subset3 = subset3['country'].value_counts(normalize=True)
# Creare i grafici a torta
fig, axs = plt.subplots(3, 1, figsize=(6, 12))
# Subset 1
axs[0].pie(percentuali_subset1, labels=percentuali_subset1.index, autopct='%1.
↳1f%%', startangle=90)

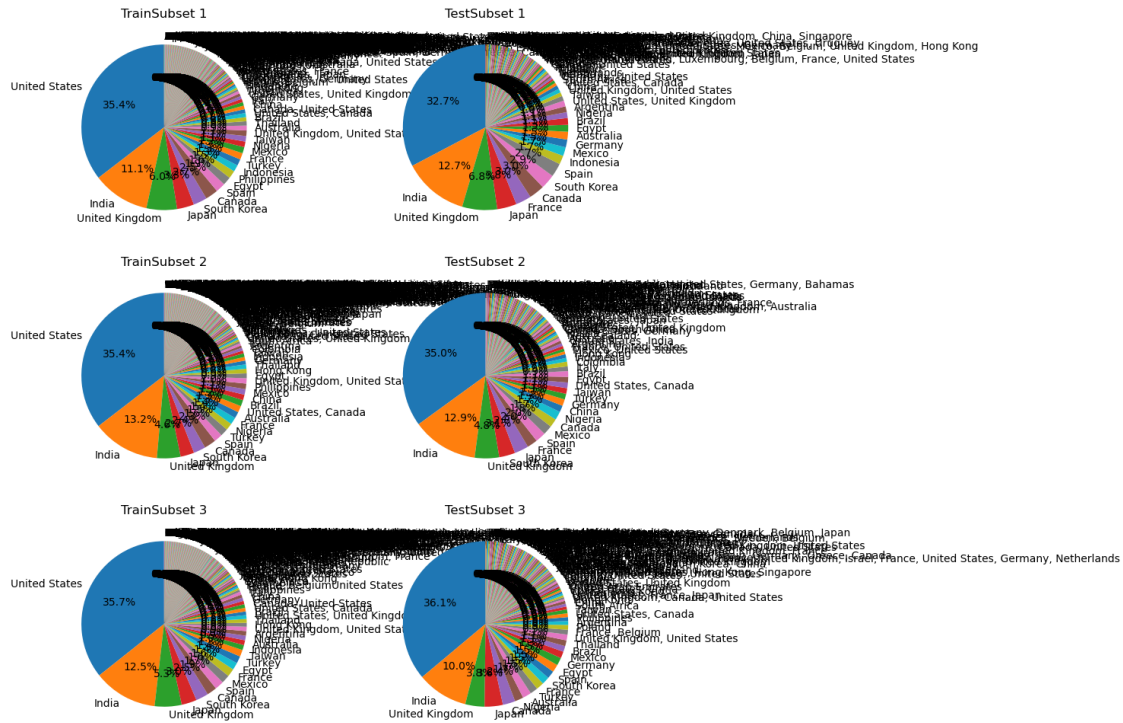
```


1.19 2.8 Divisione dei Subset in Training e Test Set e Visualizzazione delle Distribuzioni dei Valori 'Country' con Grafici a Torta

```
[108]: # Dividere ciascun subset in training set e test set
train_subset1, test_subset1 = train_test_split(subset1, test_size=0.
↳2,random_state=42)
train_subset2, test_subset2 = train_test_split(subset2, test_size=0.
↳2,random_state=42)
train_subset3, test_subset3 = train_test_split(subset3, test_size=0.
↳2,random_state=42)
# Creare il grafico con 6 torte
fig, axs = plt.subplots(3, 2, figsize=(10, 12))
# Funzione per disegnare una torta con etichette
def draw_pie(ax, data, title):
    ax.pie(data, labels=data.index, autopct='%1.1f%%', startangle=90)
    ax.set_title(title)
# Prima riga di torte (Subset 1)
draw_pie(axs[0, 0], train_subset1['country'].value_counts(normalize=True),
↳'TrainSubset 1')

draw_pie(axs[0, 1], test_subset1['country'].value_counts(normalize=True),
↳'TestSubset 1')
# Seconda riga di torte (Subset 2)
draw_pie(axs[1, 0], train_subset2['country'].value_counts(normalize=True),
↳'TrainSubset 2')
draw_pie(axs[1, 1], test_subset2['country'].value_counts(normalize=True),
↳'TestSubset 2')
# Terza riga di torte (Subset 3)
draw_pie(axs[2, 0], train_subset3['country'].value_counts(normalize=True),
↳'TrainSubset 3')
draw_pie(axs[2, 1], test_subset3['country'].value_counts(normalize=True),
↳'TestSubset 3')
# Regolare lo spaziamento tra i subplots
plt.tight_layout()
# Mostrare il grafico
plt.show()
```

```
C:\Users\zetam\AppData\Local\Temp\ipykernel_4484\827625130.py:22: UserWarning:
Tight layout not applied. tight_layout cannot make axes width small enough to
accommodate all axes decorations
plt.tight_layout()
```



1.20 2.9 Identificazione degli Outliers nell'Anno di Rilascio

```
[121]: import pandas as pd
import matplotlib.pyplot as plt
# Lista con outliers da entrambi i lati
# Calcola la media e la deviazione standard
mean_value = df['release_year'].mean()
print('media anno:')
print(mean_value)
std_dev = df['release_year'].std()
print('deviazione standard:')
print(std_dev)
# Identifica gli outliers considerando  $\pm 3 * dev\_std$  dalla media
outliers = df[(df['release_year'] > mean_value + 3 * std_dev) |
               (df['release_year'] < mean_value - 3 * std_dev)]
outliers
```

```
media anno:
2014.2047700170358
deviazione standard:
8.581060874548479
```

```
[121]:      show_id  type      title \
155      s156  Movie      Labyrinth
```

166	s167	Movie	Once Upon a Time in America
529	s530	Movie	Return of the Prodigal Son
670	s671	Movie	Mobile Suit Gundam II: Soldiers of Sorrow
1126	s1127	Movie	My Fair Lady
...
8569	s8570	Movie	The Young Vagabond
8635	s8636	Movie	True Grit
8640	s8641	Movie	Tunisian Victory
8660	s8661	Movie	Undercover: How to Operate Behind Enemy Lines
8739	s8740	Movie	Why We Fight: The Battle of Russia

	director \
155	Jim Henson
166	Sergio Leone
529	Youssef Chahine
670	Yoshiyuki Tomino, Yoshikazu Yasuhiko
1126	George Cukor
...	...
8569	Sze Yu Lau
8635	Henry Hathaway
8640	Frank Capra, John Huston, Hugh Stewart, Roy Bo...
8660	John Ford
8739	Frank Capra, Anatole Litvak

	cast \
155	David Bowie, Jennifer Connelly, Frank Oz, Kevi...
166	Robert De Niro, James Woods, Elizabeth McGover...
529	Majida El Roumi, Souheir El Morshidy, Shoukry ...
670	Toru Furuya, Shuichi Ikeda, Hirotaka Suzuoki, ...
1126	Audrey Hepburn, Rex Harrison, Stanley Holloway...
...	...
8569	Chia-Hui Liu, Wong Yu, Jason Pai Piao, Lung We...
8635	John Wayne, Glen Campbell, Kim Darby, Jeremy S...
8640	Burgess Meredith
8660	NaN
8739	NaN

	country	date_added	release_year	rating \
155	United Kingdom, United States	September 1, 2021	1986	PG
166	Italy, United States	September 1, 2021	1984	R
529	Egypt	July 6, 2021	1976	TV-MA
670	NaN	June 19, 2021	1981	TV-14
1126	United States	April 1, 2021	1964	G
...
8569	Hong Kong	August 16, 2018	1985	TV-14
8635	United States	January 1, 2020	1969	G
8640	United States, United Kingdom	March 31, 2017	1944	TV-14

8660	United States	March 31, 2017	1943	TV-PG
8739	United States	March 31, 2017	1943	TV-PG

	duration		listed_in \
155	101 min	Action & Adventure, Children & Family Movies, ...	
166	229 min		Classic Movies, Dramas
529	124 min		Dramas, International Movies
670	133 min	Action & Adventure, Anime Features, Internatio...	
1126	173 min		Classic Movies, Music & Musicals
...
8569	85 min	Action & Adventure, Comedies, International Mo...	
8635	128 min		Classic Movies, Dramas
8640	76 min		Classic Movies, Documentaries
8660	61 min		Classic Movies, Documentaries
8739	82 min		Documentaries

	description
155	In Jim Henson's fantasy, teen Sarah embarks on...
166	Director Sergio Leone's sprawling crime epic f...
529	Freed after spending 12 years in jail, a man's...
670	The Earth Federation warship White Base and it...
1126	When a Cockney flower girl takes elocution les...
...	...
8569	To avenge his master, a wine-loving young man ...
8635	Teenage tomboy Mattie Ross enlists the help of...
8640	British and American troops join forces to lib...
8660	This World War II-era training film dramatizes...
8739	This installment of Frank Capra's acclaimed do...

[74 rows x 12 columns]

[]: