In [1]:

```
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
%matplotlib inline
```

Importar DataFrame

In [2]:

```
df = pd.read_csv("netflix_titles.csv",sep=',')
df.head()
```

Out[2]:

	show_id	type	title	director	cast	country	date_added	release_year	rating	du
0	s1	TV Show	3%	NaN	João Miguel, Bianca Comparato, Michel Gomes, R...	Brazil	August 14, 2020	2020	TV-MA	Se
1	s2	Movie	7:19	Jorge Michel Grau	Demián Bichir, Héctor Bonilla, Oscar Serrano, ...	Mexico	December 23, 2016	2016	TV-MA	9
2	s3	Movie	23:59	Gilbert Chan	Tedd Chan, Stella Chung, Henley Hii, Lawrence ...	Singapore	December 20, 2018	2011	R	7
3	s4	Movie	9	Shane Acker	Elijah Wood, John C. Reilly, Jennifer Connelly...	United States	November 16, 2017	2009	PG-13	8
4	s5	Movie	21	Robert Luketic	Jim Sturgess, Kevin Spacey, Kate Bosworth, Aar...	United States	January 1, 2020	2008	PG-13	12

Definir eixo x e y

In [9]:

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

Out[9]:

```
2018    1121
2017    1012
2019     996
2016     882
2020     868
        ...
1925       1
1964       1
1966       1
1947       1
1959       1
Name: release_year, Length: 73, dtype: int64
```

In [3]:

```
x = df['release_year'].value_counts().index
y = df['release_year'].value_counts().values
```

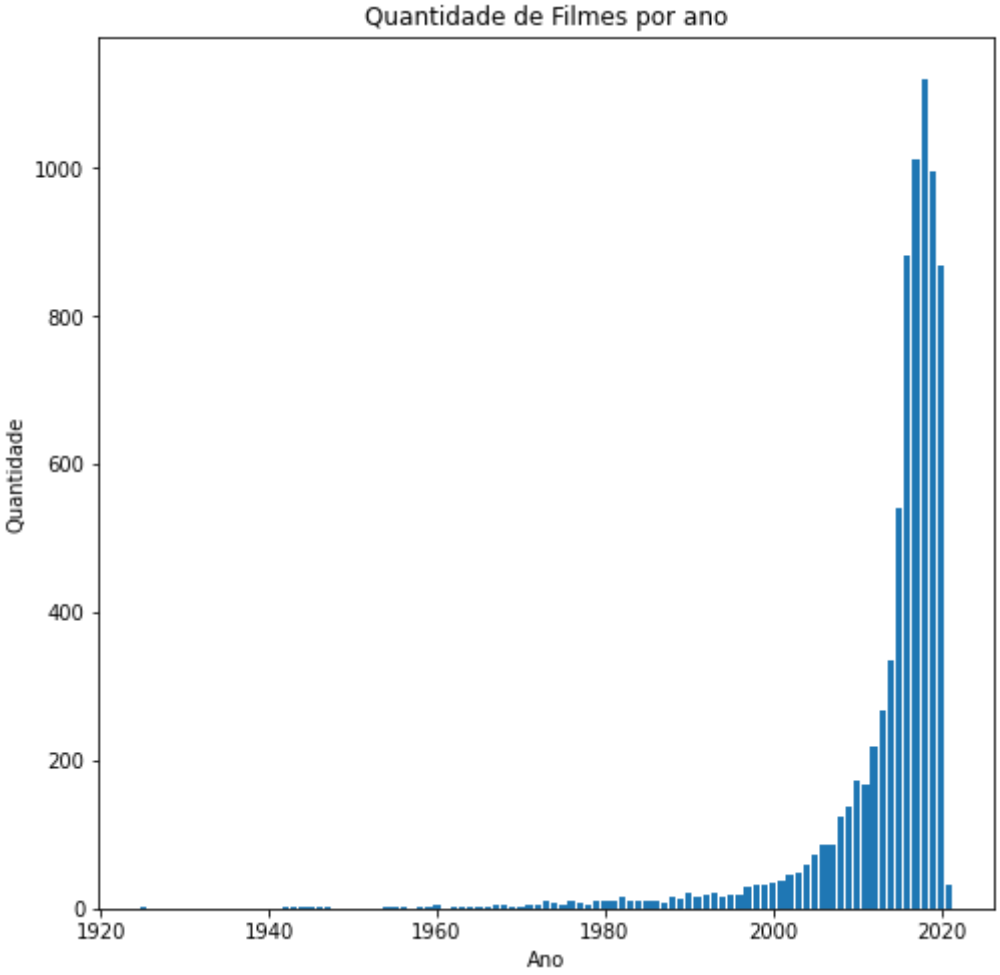
Gráfico de Barra

In [7]:

```
fig, axs = plt.subplots(figsize=(8,8))
axs.set_xlabel('Ano')
axs.set_ylabel('Quantidade')
axs.set_title('Quantidade de Filmes por ano')
axs.bar(x, y)
```

Out[7]:

```
<BarContainer object of 73 artists>
```



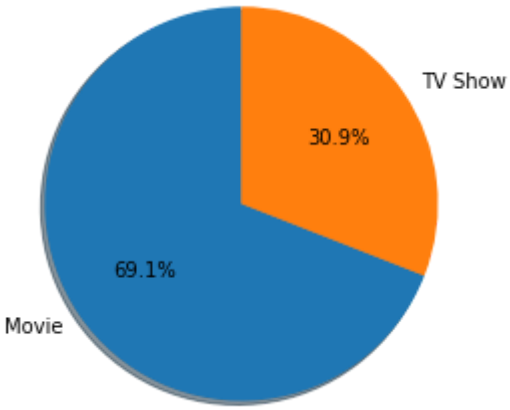
In [10]:

```
x = df['type'].value_counts().index
y = df['type'].value_counts().values

fig1, ax1 = plt.subplots()
ax1.pie(y, labels=x, autopct='%1.1f%%', shadow=True, startangle=90)
ax1.axis('equal')
```

Out[10]:

```
(-1.1096639431298123,
 1.1129820047195151,
 -1.114790996892664,
 1.100704333185365)
```



In [ ]: