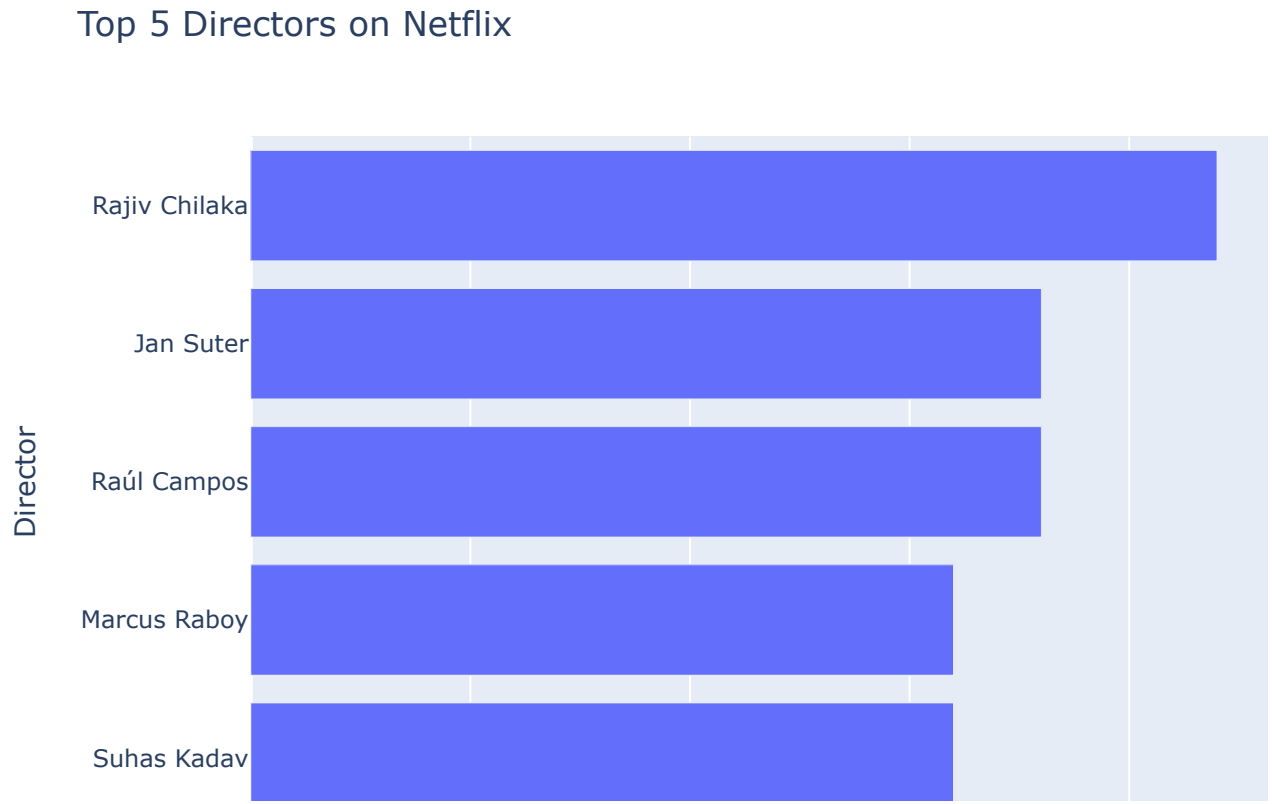


The Top 5 successful actor

Total Content

```
dff['cast']=dff['cast'].fillna('No Cast Specified')
filtered_cast=pd.DataFrame()
filtered_cast=dff['cast'].str.split(',',expand=True).stack()
filtered_cast=filtered_cast.to_frame()
filtered_cast.columns=['Actor']
actors=filtered_cast.groupby(['Actor']).size().reset_index(name='Total Content')
actors=actors[actors.Actor !='No Cast Specified']
actors=actors.sort_values(by=['Total Content'],ascending=False)
actorsTop5=actors.head()
actorsTop5=actorsTop5.sort_values(by=['Total Content'])
actorsTop5
```

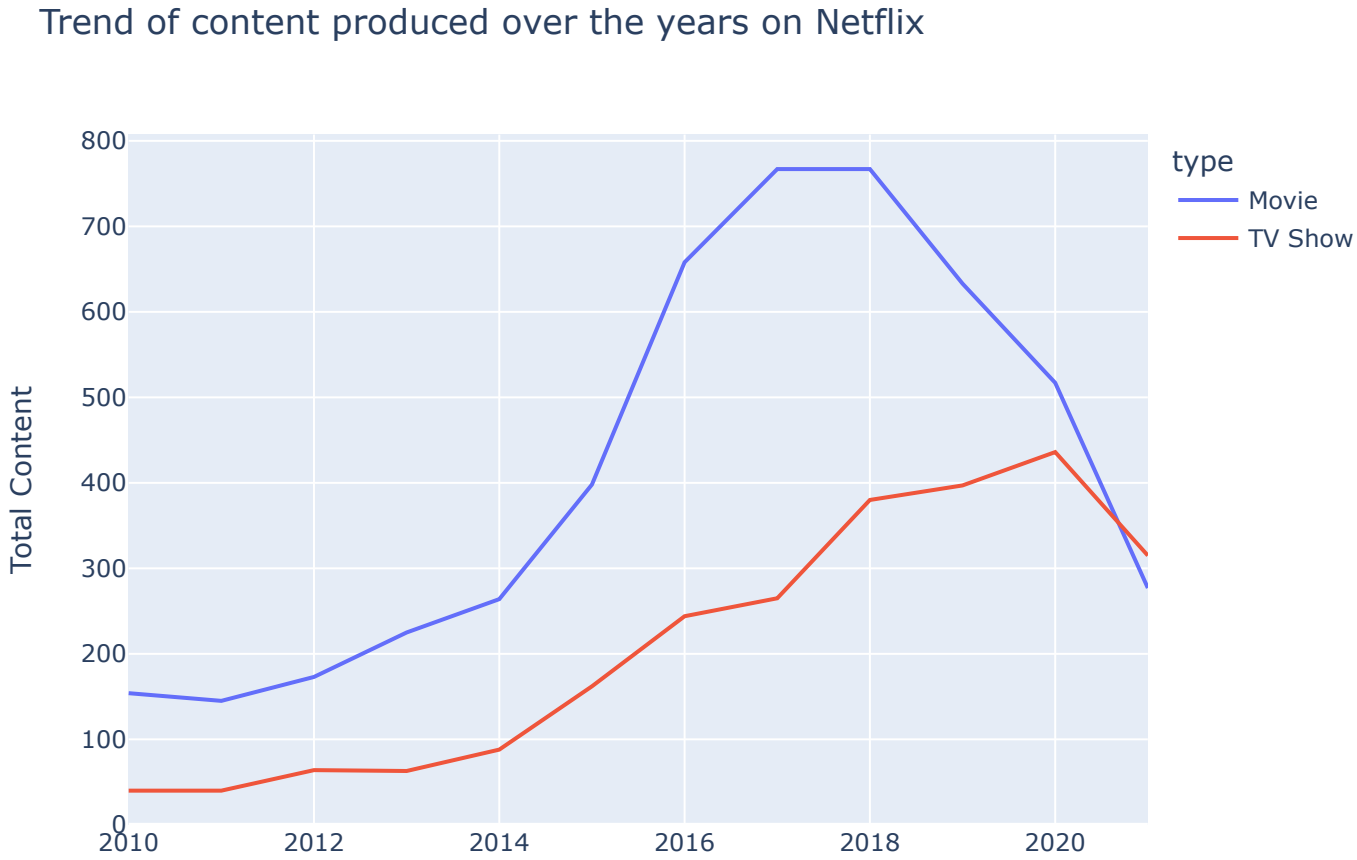
	Actor	Total Content
23624	Om Puri	27
15541	Julie Tejwani	28
30303	Takahiro Sakurai	30
26941	Rupa Bhimani	31
2612	Anupam Kher	39

Analysing content on Netflix:

```
df1=dff[['type','release_year']]
df1=df1.rename(columns={"release_year": "Release Year"})
df2=df1.groupby(['Release Year','type']).size().reset_index(name='Total Content')
df2=df2[df2['Release Year']>=2010]
df2
```

	Release Year	type	Total Content
95	2010	Movie	154
96	2010	TV Show	40
97	2011	Movie	145
98	2011	TV Show	40
99	2012	Movie	173
100	2012	TV Show	64
101	2013	Movie	225
102	2013	TV Show	63
103	2014	Movie	264
104	2014	TV Show	88
105	2015	Movie	398
106	2015	TV Show	162
107	2016	Movie	658
108	2016	TV Show	244
109	2017	Movie	767

```
df1=dff[['type','release_year']]
df1=df1.rename(columns={"release_year": "Release Year"})
df2=df1.groupby(['Release Year','type']).size().reset_index(name='Total Content')
df2=df2[df2['Release Year']>=2010]
fig3 = px.line(df2, x="Release Year", y="Total Content", color='type',title='Trend of content produced over the years on Netflix')
fig3.show()
```



TextBlob

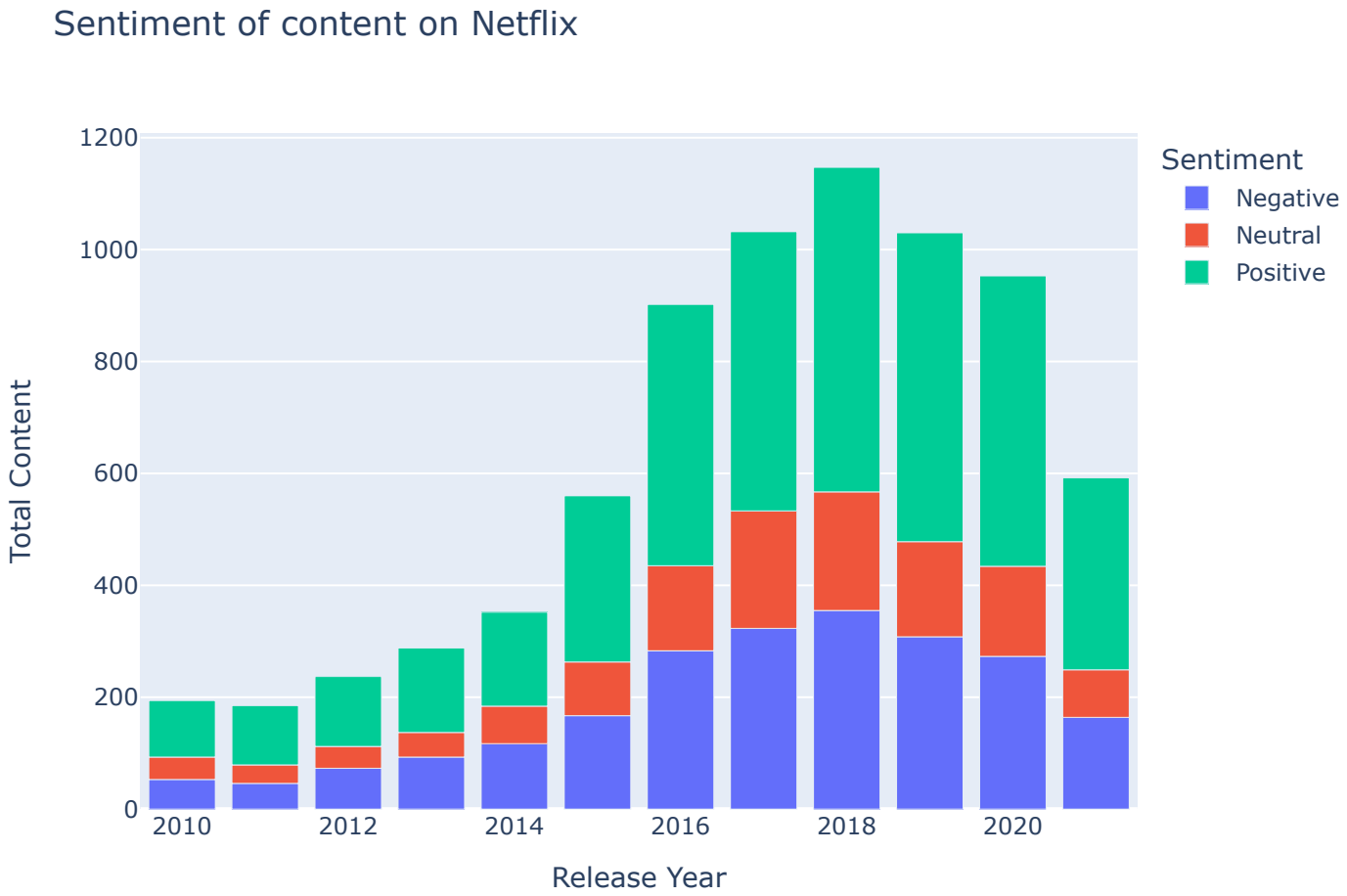
```
import nltk
```

```
from textblob import TextBlob
```

```
dfx=dff[['release_year','description']]
dfx=dfx.rename(columns={'release_year':'Release Year'})
for index,row in dfx.iterrows():
 z=row['description']
```

```
 testimonial=TextBlob(z)
 p=testimonial.sentiment.polarity

 if p==0:
    sent='Neutral'
 elif p>0:
    sent='Positive'
 else:
    sent='Negative'
 dfx.loc[[index,2],'Sentiment']=sent
dfx=dfx.groupby(['Release Year','Sentiment']).size().reset_index(name='Total Content')
dfx=dfx[dfx['Release Year']>=2010]
fig4 = px.bar(dfx, x="Release Year", y="Total Content", color="Sentiment", title="Sentiment of content on Netflix")
fig4.show()
```



✓ 18s completed at 4:47 PM