

```
In [2]: import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns
from datetime import datetime

In [3]: df = pd.read_csv('C:\Users\pujit\Downloads\USVideos.csv')

In [4]: df.head()

Out[4]:
```

	video_id	trending_date	title	channel_title	category_id	publish_time	tags	views	likes	dislikes	comment_count	thumbnail_link
0	2kyS6sYSYE	17.14.11	WE WANT TO TALK ABOUT OUR MARRIAGE	CaseyNeistat	22	2017-11-13T17:13:01.000Z	SHANell martin	748374	57527	2966	15954	https://i.ytimg.com/vi/2kyS6sYSYE/default.jpg
1	1ZAPwHAFY	17.14.11	The Trump Presidency: Last Week Tonight with J...	LastWeekTonight	24	2017-11-13T07:30:00.000Z	last week tonight trump presidency"last week ...	2418783	97185	6146	12703	https://i.ytimg.com/vi/1ZAPwHAFY/default.jpg
2	5qgK5DgC4	17.14.11	Racist Superman! Rudy Mancuso, King Bach & Le...	Rudy Mancuso	23	2017-11-12T19:05:24.000Z	superman"rudy"["mancuso"["king"["bach"...	3191434	146033	5339	8181	https://i.ytimg.com/vi/5qgK5DgC4/default.jpg
3	puqWwECTY	17.14.11	Nickelback Lyrics: Real or Fake?	Good Mythical Morning	24	2017-11-13T11:00:04.000Z	rhet and link"gnmt"["good mythical morning"["...	343168	10172	666	2146	https://i.ytimg.com/vi/puqWwECTY/default.jpg
4	d38meDOWOM	17.14.11	I Dare You: GONIG BALD?	nigahiga	24	2017-11-12T18:01:41.000Z	ryan"["higa"["nigahig"["nigahiga"["I dare you"["...	2095731	132235	1989	17518	https://i.ytimg.com/vi/d38meDOWOM/default.jpg

```
In [5]: df.shape
Out[5]: (48949, 16)

In [6]: df = df.drop_duplicates()
df.shape
Out[6]: (48961, 16)

In [7]: df.describe()

Out[7]:
```

	category_id	views	likes	dislikes	comment_count
count	40901.000000	4.090100e+04	4.090100e+04	4.090100e+04	4.090100e+04
mean	19.970588	2.360678e+06	7.427173e+04	3.711722e+03	8.448567e+03
std	7.569382	7.397719e+06	2.289998e+05	2.904624e+04	3.745139e+04
min	1.000000	5.490000e+02	0.000000e+00	0.000000e+00	0.000000e+00
25%	17.000000	2.419720e+05	5.416000e+03	2.020000e+02	6.130000e+02
50%	24.000000	6.810640e+05	1.806900e+04	6.300000e+02	1.850000e+03
75%	25.000000	1.821926e+06	5.613800e+04	1.936000e+03	5.752000e+03
max	43.000000	2.292119e+08	5.613827e+06	1.674420e+06	1.361580e+06

```
In [8]: df.info()

<class 'pandas.core.frame.DataFrame'>
Index: 48961 entries, 0 to 48948
Data columns (total 16 columns):
#   Column      Non-Null Count  Dtype
---  -
0   video_id    48961 non-null  object
1   trending_date 48961 non-null  object
2   title        48961 non-null  object
3   channel_title 48961 non-null  object
4   category_id  48961 non-null  int64
5   publish_time 48961 non-null  object
6   tags         48961 non-null  object
7   views        48961 non-null  int64
8   likes        48961 non-null  int64
9   dislikes     48961 non-null  int64
10  comment_count 48961 non-null  int64
11  thumbnail_link 48961 non-null  object
12  comments_disabled 48961 non-null  bool
13  ratings_disabled 48961 non-null  bool
14  video_error_or_removed 48961 non-null  bool
15  description   48322 non-null  object
dtypes: bool(3), int64(5), object(8)
memory usage: 4.5+ MB

In [9]: columns_to_remove = ['thumbnail_link', 'description']
df = df.drop(columns=columns_to_remove)
df.info()

<class 'pandas.core.frame.DataFrame'>
Index: 48961 entries, 0 to 48948
Data columns (total 14 columns):
#   Column      Non-Null Count  Dtype
---  -
0   video_id    48961 non-null  object
1   trending_date 48961 non-null  object
2   title        48961 non-null  object
3   channel_title 48961 non-null  object
4   category_id  48961 non-null  int64
5   publish_time 48961 non-null  object
6   tags         48961 non-null  object
7   views        48961 non-null  int64
8   likes        48961 non-null  int64
9   dislikes     48961 non-null  int64
10  comment_count 48961 non-null  int64
11  comments_disabled 48961 non-null  bool
12  ratings_disabled 48961 non-null  bool
13  video_error_or_removed 48961 non-null  bool
dtypes: bool(3), int64(5), object(6)
memory usage: 3.9+ MB

In [10]: from datetime import datetime

In [11]: import datetime

In [12]: df["trending_date"] = df["trending_date"].apply(lambda x : datetime.datetime.strptime(x, '%y.%d.%a'))
df.head()

Out[12]:
```

	video_id	trending_date	title	channel_title	category_id	publish_time	tags	views	likes	dislikes	comment_count	comments_disabled	ratings_disabled	video_error_or_removed
0	2kyS6sYSYE	2017-11-14	WE WANT TO TALK ABOUT OUR MARRIAGE	CaseyNeistat	22	2017-11-13 17:13:01+00:00	SHANell martin	748374	57527	2966	15954	False	False	False
1	1ZAPwHAFY	2017-11-14	The Trump Presidency: Last Week Tonight with J...	LastWeekTonight	24	2017-11-13 07:30:00+00:00	last week tonight trump presidency"last week ...	2418783	97185	6146	12703	False	False	False
2	5qgK5DgC4	2017-11-14	Racist Superman! Rudy Mancuso, King Bach & Le...	Rudy Mancuso	23	2017-11-12 19:05:24+00:00	superman"rudy"["mancuso"["king"["bach"...	3191434	146033	5339	8181	False	False	False
3	puqWwECTY	2017-11-14	Nickelback Lyrics: Real or Fake?	Good Mythical Morning	24	2017-11-13 11:00:04+00:00	rhet and link"gnmt"["good mythical morning"["...	343168	10172	666	2146	False	False	False
4	d38meDOWOM	2017-11-14	I Dare You: GONIG BALD?	nigahiga	24	2017-11-12 18:01:41+00:00	ryan"["higa"["nigahig"["nigahiga"["I dare you"["...	2095731	132235	1989	17518	False	False	False

```
In [13]: df["publish_time"] = pd.to_datetime(df["publish_time"])
df.head()

Out[13]:
```

	video_id	trending_date	title	channel_title	category_id	publish_time	tags	views	likes	dislikes	comment_count	comments_disabled	ratings_disabled	video_error_or_removed	publish_s
0	2kyS6sYSYE	2017-11-14	WE WANT TO TALK ABOUT OUR MARRIAGE	CaseyNeistat	22	2017-11-13 17:13:01+00:00	SHANell martin	748374	57527	2966	15954	False	False	False	1514586600.0
1	1ZAPwHAFY	2017-11-14	The Trump Presidency: Last Week Tonight with J...	LastWeekTonight	24	2017-11-13 07:30:00+00:00	last week tonight trump presidency"last week ...	2418783	97185	6146	12703	False	False	False	1514586600.0
2	5qgK5DgC4	2017-11-14	Racist Superman! Rudy Mancuso, King Bach & Le...	Rudy Mancuso	23	2017-11-12 19:05:24+00:00	superman"rudy"["mancuso"["king"["bach"...	3191434	146033	5339	8181	False	False	False	1514586600.0
3	puqWwECTY	2017-11-14	Nickelback Lyrics: Real or Fake?	Good Mythical Morning	24	2017-11-13 11:00:04+00:00	rhet and link"gnmt"["good mythical morning"["...	343168	10172	666	2146	False	False	False	1514586600.0
4	d38meDOWOM	2017-11-14	I Dare You: GONIG BALD?	nigahiga	24	2017-11-12 18:01:41+00:00	ryan"["higa"["nigahig"["nigahiga"["I dare you"["...	2095731	132235	1989	17518	False	False	False	1514586600.0

```
In [14]: df["publish_month"] = df["publish_time"].dt.month
df["publish_day"] = df["publish_time"].dt.day
df["publish_hour"] = df["publish_time"].dt.hour
df.head(2)

Out[14]:
```

	video_id	trending_date	title	channel_title	category_id	publish_time	tags	views	likes	dislikes	comment_count	comments_disabled	ratings_disabled	video_error_or_removed	publish_s
0	2kyS6sYSYE	2017-11-14	WE WANT TO TALK ABOUT OUR MARRIAGE	CaseyNeistat	22	2017-11-13 17:13:01+00:00	SHANell martin	748374	57527	2966	15954	False	False	False	1514586600.0
1	1ZAPwHAFY	2017-11-14	The Trump Presidency: Last Week Tonight with J...	LastWeekTonight	24	2017-11-13 07:30:00+00:00	last week tonight trump presidency"last week ...	2418783	97185	6146	12703	False	False	False	1514586600.0

```
In [15]: print(sorted(df["category_id"].unique()))
[1, 2, 10, 15, 17, 19, 20, 22, 23, 24, 25, 26, 27, 28, 29, 38, 43]

Out[15]:
[1, 2, 10, 15, 17, 19, 20, 22, 23, 24, 25, 26, 27, 28, 29, 43]
[1, 2, 10, 15, 17, 19, 20, 22, 23, 24, 25, 26, 27, 28, 29, 30, 43]

In [16]: df["category_name"] = np.nan
df.loc[df["category_id"] == 1, "category_name"] = 'film and animation'
df.loc[df["category_id"] == 2, "category_name"] = 'autos and vehicles'
df.loc[df["category_id"] == 10, "category_name"] = 'music'
df.loc[df["category_id"] == 15, "category_name"] = 'pets and animals'
df.loc[df["category_id"] == 17, "category_name"] = 'sports'
df.loc[df["category_id"] == 19, "category_name"] = 'travel and events'
df.loc[df["category_id"] == 20, "category_name"] = 'gaming'
df.loc[df["category_id"] == 22, "category_name"] = 'people and blogs'
df.loc[df["category_id"] == 23, "category_name"] = 'comedy'
df.loc[df["category_id"] == 28, "category_name"] = 'entertainment'
df.loc[df["category_id"] == 25, "category_name"] = 'news and politics'
df.loc[df["category_id"] == 26, "category_name"] = 'how to and style'
df.loc[df["category_id"] == 27, "category_name"] = 'education'
df.loc[df["category_id"] == 28, "category_name"] = 'science and technology'
df.loc[df["category_id"] == 29, "category_name"] = 'non profits and activism'
df.loc[df["category_id"] == 38, "category_name"] = 'movies'
df.loc[df["category_id"] == 43, "category_name"] = 'shows'
df.head()

Out[16]:
```

	video_id	trending_date	title	channel_title	category_id	publish_time	tags	views	likes	dislikes	comment_count	comments_disabled	ratings_disabled	video_error_or_removed
0	2kyS6sYSYE	2017-11-14	WE WANT TO TALK ABOUT OUR MARRIAGE	CaseyNeistat	22	2017-11-13 17:13:01+00:00	SHANell martin	748374	57527	2966	15954	False	False	False
1	1ZAPwHAFY	2017-11-14	The Trump Presidency: Last Week Tonight with J...	LastWeekTonight	24	2017-11-13 07:30:00+00:00	last week tonight trump presidency"last week ...	2418783	97185	6146	12703	False	False	False
2	5qgK5DgC4	2017-11-14	Racist Superman! Rudy Mancuso, King Bach & Le...	Rudy Mancuso	23	2017-11-12 19:05:24+00:00	superman"rudy"["mancuso"["king"["bach"...	3191434	146033	5339	8181	False	False	False
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```
In [17]: df["year"] = df["publish_time"].dt.year
yearly_counts = df.groupby('year')['video_id'].count()

#create bar chart
yearly_counts.plot(kind='bar', xlabel='year', ylabel='total publish count', title='total publish video per year')

#show the chart
plt.show()

total publish video per year
```

```
In [18]: yearly_views = df.groupby('year')['views'].sum()

#create bar chart
yearly_views.plot(kind='bar', xlabel='year', ylabel='total views', title='total viewspers year')
plt.xticks(rotation=0)
plt.tight_layout()

#show the chart
plt.show()

total viewspers year
```

```
In [20]: category_views = df.groupby('category_name')['views'].sum().reset_index()

#start the categories by views in descending order
top_categories = category_views.sort_values(by = 'views', ascending = False).head(5)

#create a bar plot to visualize the top 5 categories
plt.bar(top_categories['category_name'], top_categories['views'])
plt.xlabel('category name', fontsize = 11)
plt.ylabel('total views', fontsize = 12)
plt.title('top 5 categories', fontsize = 15)
plt.tight_layout()
plt.show()

top 5 categories
```

```
In [23]: plt.figure(figsize=(12, 6))
sns.countplot(x='category_name', data=df, order=df['category_name'].value_counts().index)
plt.xticks(rotation=0)
plt.title('video count by category')
plt.show()

video count by category
```

```
In [25]: #counting the number of videos published per hour
videos_per_hour = df['publish_time'].value_counts().sort_index()

#create a bar plot
plt.figure(figsize = (12,6))
sns.barplot(x=videos_per_hour.index, y=videos_per_hour.values, palette='rocket')
plt.title('number of videos published per hour')
plt.xlabel('hour of day')
plt.ylabel('number of videos')
plt.xticks(rotation = 45)
plt.show()

number of videos published per hour
```

```
In [27]: df["publish_time"] = pd.to_datetime(df["publish_time"])
df["publish_date"] = df["publish_time"].dt.date
video_count_by_date = df.groupby('publish_date').size()
plt.figure(figsize = (12, 6))
sns.lineplot(data=video_count_by_date)
plt.title('videos published over time')
plt.xlabel('publish date')
plt.ylabel('number of videos')
plt.xticks(rotation = 45)
plt.show()

videos published over time
```

```
In [28]: #scatter plot between 'views and likes'
sns.scatterplot(data=df, x='views', y='likes')
plt.title('views vs likes')
plt.xlabel('likes')
plt.ylabel('views')
plt.show()

views vs likes
```

```
In [33]: plt.figure(figsize=(14,8))
plt.subplots_adjust(wspace = 0.2, hspace = 0.4, top = 0.9)
sns.countplot(2,2,1)
g = sns.countplot(x='comments_disabled', data=df)
g1 = sns.countplot(x='ratings_disabled', data=df)
g2 = sns.countplot(x='video_error_or_removed', data=df)
g3 = sns.countplot(x='rating disabled', data=df)
g4 = sns.countplot(x='video error or removed', data=df)
g5 = sns.countplot(x='rating disabled', data=df)
g6 = sns.countplot(x='video error or removed', data=df)
g7 = sns.countplot(x='rating disabled', data=df)
g8 = sns.countplot(x='video error or removed', data=df)
g9 = sns.countplot(x='rating disabled', data=df)
g10 = sns.countplot(x='video error or removed', data=df)
g11 = sns.countplot(x='rating disabled', data=df)
g12 = sns.countplot(x='video error or removed', data=df)
g13 = sns.countplot(x='rating disabled', data=df)
g14 = sns.countplot(x='video error or removed', data=df)
g15 = sns.countplot(x='rating disabled', data=df)
g16 = sns.countplot(x='video error or removed', data=df)
g17 = sns.countplot(x='rating disabled', data=df)
g18 = sns.countplot(x='video error or removed', data=df)
g19 = sns.countplot(x='rating disabled', data=df)
g20 = sns.countplot(x='video error or removed', data=df)
g21 = sns.countplot(x='rating disabled', data=df)
g22 = sns.countplot(x='video error or removed', data=df)
g23 = sns.countplot(x='rating disabled', data=df)
g24 = sns.countplot(x='video error or removed', data=df)
g25 = sns.countplot(x='rating disabled', data=df)
g26 = sns.countplot(x='video error or removed', data=df)
g27 = sns.countplot(x='rating disabled', data=df)
g28 = sns.countplot(x='video error or removed', data=df)
g29 = sns.countplot(x='rating disabled', data=df)
g30 = sns.countplot(x='video error or removed', data=df)
g31 = sns.countplot(x='rating disabled', data=df)
g32 = sns.countplot(x='video error or removed', data=df)
g33 = sns.countplot(x='rating disabled', data=df)
g34 = sns.countplot(x='video error or removed', data=df)
g35 = sns.countplot(x='rating disabled', data=df)
g36 = sns.countplot(x='video error or removed', data=df)
g37 = sns.countplot(x='rating disabled', data=df)
g38 = sns.countplot(x='video error or removed', data=df)
g39 = sns.countplot(x='rating disabled', data=df)
g40 = sns.countplot(x='video error or removed', data=df)
g41 = sns.countplot(x='rating disabled', data=df)
g42 = sns.countplot(x='video error or removed', data=df)
g43 = sns.countplot(x='rating disabled', data=df)
g44 = sns.countplot(x='video error or removed', data=df)
g45 = sns.countplot(x='rating disabled', data=df)
g46 = sns.countplot(x='video error or removed', data=df)
g47 = sns.countplot(x='rating disabled', data=df)
g48 = sns.countplot(x='video error or removed', data=df)
g49 = sns.countplot(x='rating disabled', data=df)
g50 = sns.countplot(x='video error or removed', data=df)
g51 = sns.countplot(x='rating disabled', data=df)
g52 = sns.countplot(x='video error or removed', data=df)
g53 = sns.countplot(x='rating disabled', data=df)
g54 = sns.countplot(x='video error or removed', data=df)
g55 = sns.countplot(x='rating disabled', data=df)
g56 = sns.countplot(x='video error or removed', data=df)
g57 = sns.countplot(x='rating disabled', data=df)
g58 = sns.countplot(x='video error or removed', data=df)
g59 = sns.countplot(x='rating disabled', data=df)
g60 = sns.countplot(x='video error or removed', data=df)
g61 = sns.countplot(x='rating disabled', data=df)
g62 = sns.countplot(x='video error or removed', data=df)
g63 = sns.countplot(x='rating disabled', data=df)
g64 = sns.countplot(x='video error or removed', data=df)
g65 = sns.countplot(x='rating disabled', data=df)
g66 = sns.countplot(x='video error or removed', data=df)
g67 = sns.countplot(x='rating disabled', data=df)
g68 = sns.countplot(x='video error or removed', data=df)
g69 = sns.countplot(x='rating disabled', data=df)
g70 = sns.countplot(x='video error or removed', data=df)
g71 = sns.countplot(x='rating disabled', data=df)
g72 = sns.countplot(x='video error or removed', data=df)
g73 = sns.countplot(x='rating disabled', data=df)
g74 = sns.countplot(x='video error or removed', data=df)
g75 = sns.countplot(x='rating disabled', data=df)
g76 = sns.countplot(x='video error or removed', data=df)
g77 = sns.countplot(x='rating disabled', data=df)
g78 = sns.countplot(x='video error or removed', data=df)
g79 = sns.countplot(x='rating disabled', data=df)
g80 = sns.countplot(x='video error or removed', data=df)
g81 = sns.countplot(x='rating disabled', data=df)
g82 = sns.countplot(x='video error or removed', data=df)
g83 = sns.countplot(x='rating disabled', data=df)
g84 = sns.countplot(x='video error or removed', data=df)
g85 = sns.countplot(x='rating disabled', data=df)
g86 = sns.countplot(x='video error or removed', data=df)
g87 = sns.countplot(x='rating disabled', data=df)
g88 = sns.countplot(x='video error or removed', data=df)
g89 = sns.countplot(x='rating disabled', data=df)
g90 = sns.countplot(x='video error or removed', data=df)
g91 = sns.countplot(x='rating disabled', data=df)
g92 = sns.countplot(x='video error or removed', data=df)
g93 = sns.countplot(x='rating disabled', data=df)
g94 = sns.countplot(x='video error or removed', data=df)
g95 = sns.countplot(x='rating disabled', data=df)
g96 = sns.countplot(x='video error or removed', data=df)
g97 = sns.countplot(x='rating disabled', data=df)
g98 = sns.countplot(x='video error or removed', data=df)
g99 = sns.countplot(x='rating disabled', data=df)
g100 = sns.countplot(x='video error or removed', data=df)
g101 = sns.countplot(x='rating disabled', data=df)
g102 = sns.countplot(x='video error or removed', data=df)
g103 = sns.countplot(x='rating disabled', data=df)
g104 = sns.countplot(x='video error or removed', data=df)
g105 = sns.countplot(x='rating disabled', data=df)
g106 = sns.countplot(x='video error or removed', data=df)
g107 = sns.countplot(x='rating disabled', data=df)
g108 = sns.countplot(x='video error or removed', data=df)
g109 = sns.countplot(x='rating disabled', data=df)
g110 = sns.countplot(x='video error or removed', data=df)
g111 = sns.countplot(x='rating disabled', data=df)
g112 = sns.countplot(x='video error or removed', data=df)
g113 = sns.countplot(x='rating disabled', data=df)
g114 = sns.countplot(x='video error or removed', data=df)
g115 = sns.countplot(x='rating disabled', data=df)
g116 = sns.countplot(x='video error or removed', data=df)
g117 = sns.countplot(x='rating disabled', data=df)
g118 = sns.countplot(x='video error or removed', data=df)
g119 = sns.countplot(x='rating disabled', data=df)
g120 = sns.countplot(x='video error or removed', data=df)
g121 = sns.countplot(x='rating disabled', data=df)
g122 = sns.countplot(x='video error or removed', data=df)
g123 = sns.countplot(x='rating disabled', data=df)
g124 = sns.countplot(x='video error or removed', data=df)
g125 = sns.countplot(x='rating disabled', data=df)
g126 = sns.countplot(x='video error or removed', data=df)
g127 = sns.countplot(x='rating disabled', data=df)
g128 = sns.countplot(x='video error or removed', data=df)
g129 = sns.countplot(x='rating disabled', data=df)
g130 = sns.countplot(x='video error or removed', data=df)
g131 = sns.countplot(x='rating disabled', data=df)
g132 = sns.countplot(x='video error or removed', data=df)
g133 = sns.countplot(x='rating disabled', data=df)
g134 = sns.countplot(x='video error or removed', data=df)
g135 = sns.countplot(x='rating disabled', data=df)
g136 = sns.countplot(x='video error or removed', data=df)
g137 = sns.countplot(x='rating disabled', data=df)
g138 = sns.countplot(x='video error or removed', data=df)
g139 = sns.countplot(x='rating disabled', data=df)
g140 = sns.countplot(x='video error or removed', data=df)
g141 = sns.countplot(x='rating disabled', data=df)
g142 = sns.countplot(x='video error or removed', data=df)
g143 = sns.countplot(x='rating disabled', data=df)
g144 = sns.countplot(x='video error or removed', data=df)
g145 = sns.countplot(x='rating disabled', data=df)
g146 = sns.countplot(x='video error or removed', data=df)
g147 = sns.countplot(x='rating disabled', data=df)
g148 = sns.countplot(x='video error or removed', data=df)
g149 = sns.countplot(x='rating disabled', data=df)
g150 = sns.countplot(x='video error or removed', data=df)
g151 = sns.countplot(x='rating disabled', data=df)
g152 = sns.countplot(x='video error or removed', data=df)
g153 = sns.countplot(x='rating disabled', data=df)
g154 = sns.countplot(x='video error or removed', data=df)
g155 = sns.countplot(x='rating disabled', data=df)
g156 = sns.countplot(x='video error or removed', data=df)
g157 = sns.countplot(x='rating disabled', data=df)
g158 = sns.countplot(x='video error or removed', data=df)
g159 = sns.countplot(x='rating disabled', data=df)
g160 = sns.countplot(x='video error or removed', data=df)
g161 = sns.countplot(x='rating disabled', data=df)
g162 = sns.countplot(x='video error or removed', data=df)
g163 = sns.countplot(x='rating disabled', data=df)
g164 = sns.countplot(x='video error or removed', data=df)
g165 = sns.countplot(x='rating disabled', data=df)
g166 = sns.countplot(x='video error or removed', data=df)
g167 = sns.countplot(x='rating disabled', data=df)
g168 = sns.countplot(x='video error or removed', data=df)
g169 = sns.countplot(x='rating disabled', data=df)
g170 = sns.countplot(x='video error or removed', data=df)
g171 = sns.countplot(x='rating disabled', data=df)
g172 = sns.countplot(x='video error or removed', data=df)
g173 = sns.countplot(x='rating disabled', data=df)
g174 = sns.countplot(x='video error or removed', data=df)
g175 = sns.countplot(x='rating disabled', data=df)
g176 = sns.countplot(x='video error or removed', data=df)
g177 = sns.countplot(x='rating disabled', data=df)
g178 = sns.countplot(x='video error or removed', data=df)
g179 = sns.countplot(x='rating disabled', data=df)
g180 = sns.countplot(x='video error or removed', data=df)
g181 = sns.countplot(x='rating disabled', data=df)
g182 = sns.countplot(x='video error or removed', data=df)
g183 = sns.countplot(x='rating disabled', data=df)
g184 = sns.countplot(x='video error or removed', data=df)
g185 = sns.countplot(x='rating disabled', data=df)
g186 = sns.countplot(x='video error or removed', data=df)
g187 = sns.countplot(x='rating disabled', data=df)
g188 = sns.countplot(x='video error or removed', data=df)
g189 = sns.countplot(x='rating disabled', data=df)
g190 = sns.countplot(x='video error or removed', data=df)
g191 = sns.countplot(x='rating disabled', data=df)
g192 = sns.countplot(x='video error or removed', data=df)
g193 = sns.countplot(x='rating disabled', data=df)
g194 = sns.countplot(x='video error or removed', data=df)
g195 = sns.countplot(x='rating disabled', data=df)
g196 = sns.countplot(x='video error or removed', data=df)
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g198 = sns.countplot(x='video error or removed', data=df)
g199 = sns.countplot(x='rating disabled', data=df)
g200 = sns.countplot(x='video error or removed', data=df)
g201 = sns.countplot(x='rating disabled', data=df)
g202 = sns.countplot(x='video error or removed', data=df)
g203 = sns.countplot(x='rating disabled', data=df)
g204 = sns.countplot(x='video error or removed', data=df)
g205 = sns.countplot(x='rating disabled', data=df)
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g207 = sns.countplot(x='rating disabled', data=df)
g208 = sns.countplot(x='video error or removed', data=df)
g209 = sns.countplot(x='rating disabled', data=df)
g210 = sns.countplot(x='video error or removed', data=df)
g211 = sns.countplot(x='rating disabled', data=df)
g212 = sns.countplot(x='video error or removed', data=df)
g213 = sns.countplot(x='rating disabled', data=df)
g214 = sns.countplot(x='video error or removed', data=df)
g215 = sns.countplot(x='rating disabled', data=df)
g216 = sns.countplot(x='video error or removed', data=df)
g217 = sns.countplot(x='rating disabled', data=df)
g218 = sns.countplot(x='video error or removed', data=df)
g219 = sns.countplot(x='rating disabled', data=df)
g220 = sns.countplot(x='video error or removed', data=df)
g221 = sns.countplot(x='rating disabled', data=df)
g222 = sns.countplot(x='video error or removed', data=df)
g223 = sns.countplot(x='rating disabled', data=df)
g224 = sns.countplot(x='video error or removed', data=df)
g225 = sns.countplot(x='rating disabled', data=df)
g226 = sns.countplot(x='video error or removed', data=df)
g227 = sns.countplot(x='rating disabled', data=df)
g228 = sns.countplot(x='video error or removed', data=df)
g229 = sns.countplot(x='rating disabled', data=df)
g230 = sns.countplot(x='video error or removed', data=df)
g231
```