```
import pandas as pd
import numpy as np
import seaborn as sns
import matplotlib.pyplot as plt
import cv2
```

data=pd.read_csv("/content/labels_my-project-name_2023-08-03-11-35-50.csv")
data.head()

	label_name	bbox_x	bbox_y	bbox_width	bbox_height	image_name	image_width	image_height	1	th
0	elephant	20	26	406	270	animals.jpg	1600	900		
1	tiger	1196	153	387	176	animals.jpg	1600	900		
2	crocodile	960	14	613	133	animals.jpg	1600	900		
3	zirafee	8	313	342	561	animals.jpg	1600	900		
4	monkey	1274	598	326	270	animals.jpg	1600	900		

data.head(1)

	label_name	bbox_x	bbox_y	bbox_width	bbox_height	image_name	image_width	image_height	1	ıl.
0	elephant	20	26	406	270	animals.jpg	1600	900		

data.describe()

	bbox_x	bbox_y	bbox_width	bbox_height	image_width	image_height	1	ılı
count	5.000000	5.000000	5.00000	5.000000	5.0	5.0		
mean	691.600000	220.800000	414.80000	282.000000	1600.0	900.0		
std	629.285945	242.945879	115.45432	167.007485	0.0	0.0		
min	8.000000	14.000000	326.00000	133.000000	1600.0	900.0		
25%	20.000000	26.000000	342.00000	176.000000	1600.0	900.0		
50%	960.000000	153.000000	387.00000	270.000000	1600.0	900.0		
75%	1196.000000	313.000000	406.00000	270.000000	1600.0	900.0		
max	1274.000000	598.000000	613.00000	561.000000	1600.0	900.0		

data.info()

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 5 entries, 0 to 4
Data columns (total 8 columns):
```

#	Column	Non-Null Count	Dtype
0	label_name	5 non-null	object
1	bbox_x	5 non-null	int64
2	bbox_y	5 non-null	int64
3	bbox_width	5 non-null	int64
4	bbox_height	5 non-null	int64
5	image_name	5 non-null	object
6	image_width	5 non-null	int64
7	image_height	5 non-null	int64
		1 1 (0)	

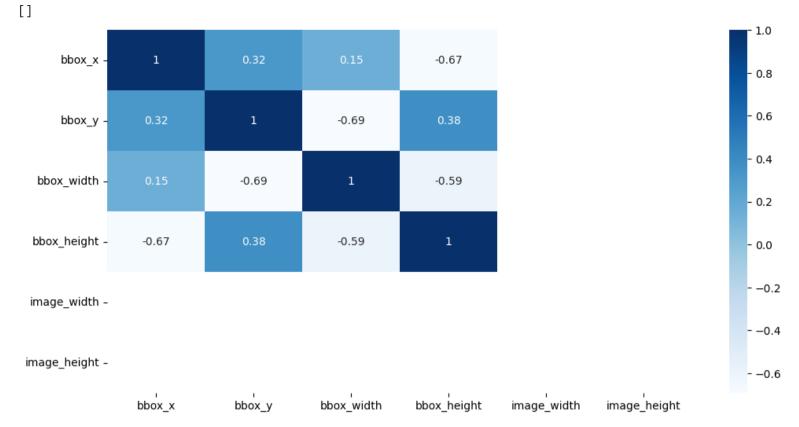
dtypes: int64(6), object(2)
memory usage: 448.0+ bytes

data.isnull().sum()

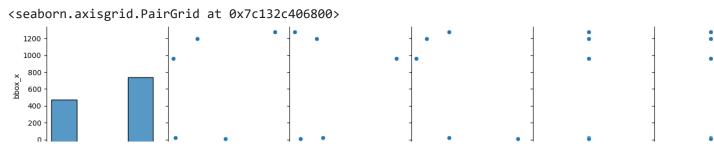
label_name 0 bbox_x 0 bbox_y 0 bbox_width 0 bbox_height 0 image_name 0 image_width 0 image_height 0 dtype: int64

plt.figure(figsize=(12,6))
sns.heatmap(data.corr(),annot=True,cmap='Blues')
plt.plot()

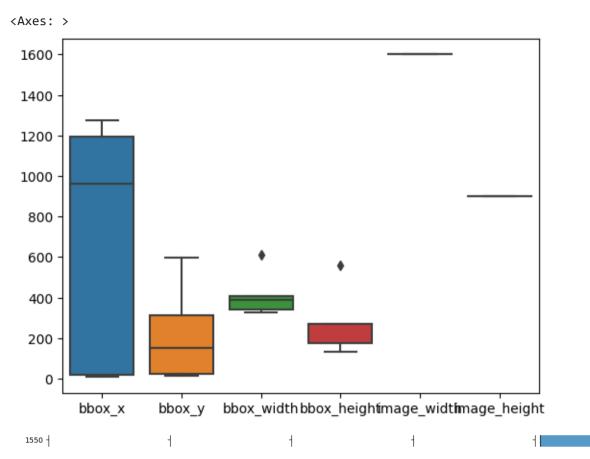
<ipython-input-12-03a406b9c9ac>:2: FutureWarning: The default value of numeric_only in DataFrame.corr is
sns.heatmap(data.corr(),annot=True,cmap='Blues')



sns.pairplot(data)

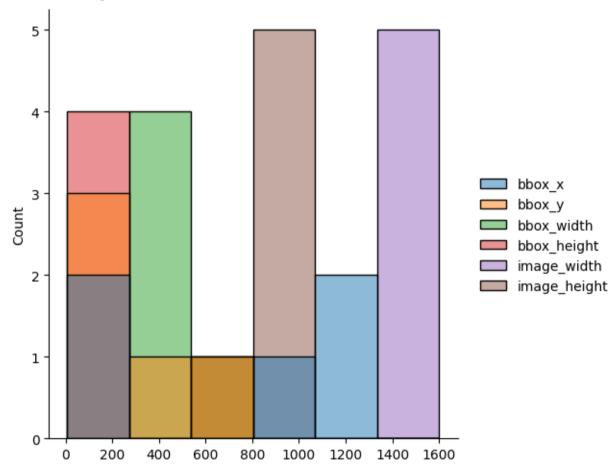


sns.boxplot(data)

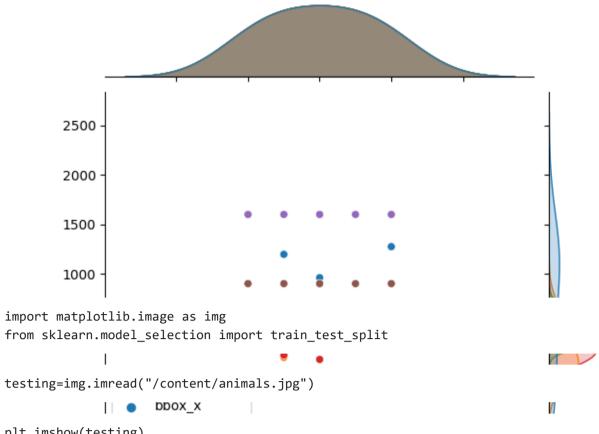


sns.displot(data=data)

<seaborn.axisgrid.FacetGrid at 0x7c132c407430>

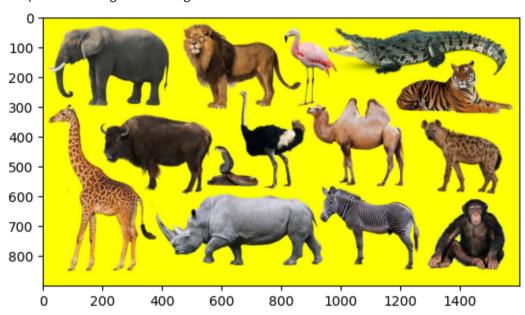


sns.jointplot(data)
plt.show()



plt.imshow(testing)

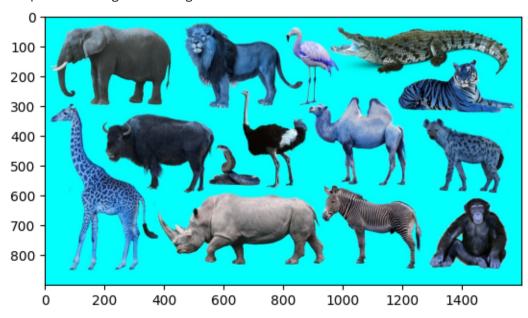
<matplotlib.image.AxesImage at 0x7c1324bc4910>



Start_point=(4,4) End_point=(220,220) color=(255,0,0) thickness=9

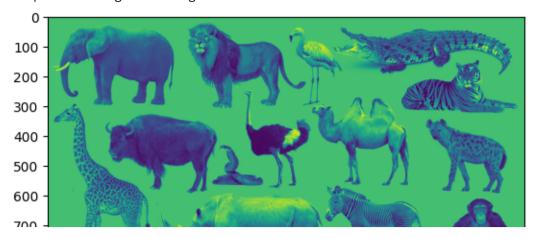
testing=cv2.cvtColor(testing,cv2.COLOR_BGR2RGB) plt.imshow(testing)

<matplotlib.image.AxesImage at 0x7c1322a44a00>



gray=cv2.cvtColor(testing,cv2.COLOR_RGB2GRAY) plt.imshow(gray,data='gray',vmin=0,vmax=255)

<matplotlib.image.AxesImage at 0x7c13220dd0c0>



gray=cv2.cvtColor(testing,cv2.COLOR_RGB2GRAY)
plt.imshow(gray,cmap='gray',vmin=0,vmax=255)

<matplotlib.image.AxesImage at 0x7c1324ba45b0>

