important Functions

importer.ImportCoco(r"file path.json")
export.ExportToCoco(r"file path.json")
importer.ImportYoloV5(r"folder path")
export.ExportToYoloV5(r"folder path")
export.ExportToVoc(r"folder path")
importer.ImportVOC(r"folder path")

In [1]:

#install library
!pip install pylabel

1.3)

Requirement already satisfied: nbconvert in c:\users\microsoft\a naconda3\lib\site-packages (from notebook>=4.4.1->widgetsnbexten sion~=3.5.0->ipywidgets>=7.0.0->jupyter-bbox-widget->pylabel) (6.4.4)

Requirement already satisfied: Send2Trash>=1.8.0 in c:\users\mic rosoft\anaconda3\lib\site-packages (from notebook>=4.4.1->widget snbextension~=3.5.0->ipywidgets>=7.0.0->jupyter-bbox-widget->pyl abel) (1.8.0)

Requirement already satisfied: pywinpty>=1.1.0 in c:\users\micro soft\anaconda3\lib\site-packages (from terminado>=0.8.3->noteboo k>=4.4.1->widgetsnbextension~=3.5.0->ipywidgets>=7.0.0->jupyter-bbox-widget->pylabel) (2.0.2)

Requirement already satisfied: argon2-cffi-bindings in c:\users \microsoft\anaconda3\lib\site-packages (from argon2-cffi->notebo ok>=4.4.1->widgetsnbextension~=3.5.0->ipywidgets>=7.0.0->jupyter-bbox-widget->pylabel) (21.2.0)

Requirement already satisfied: cffi>=1.0.1 in c:\users\microsoft \anaconda3\lib\site-packages (from argon2-cffi-bindings->argon2-cffi->notebook>=4.4.1->widgetsnbextension~=3.5.0->ipywidgets>=7.

Coco -->yolov5

In [12]:

#this file contains dataset annotation not one image annotation!

الجيسون ده جواه احداثيات كذا صورة مش صورة واحدة

عملت متغير اخزن فيه اللي هقرأه من ملف الجيسون

dataset = importer.ImportCoco(r"C:\Users\Microsoft\Desktop\data\coco\c

```
In [13]: 

# folder contain files..each file contain only one image aannotation

# اديتله المكان اللي عايزة احط فيه الحاجة بعد التحويل

# بس خد بالك

# الله على حسب عدد الصور .. لو انا كنت عاملة

# label

# لكذا 5 صور مثلًا فهلاقي عندي جوه الفولدر 5 فايلات تيكست

dataset.export.ExportToYoloV5(r"C:\Users\Microsoft\Desktop\data\coco\y
```

Yolo -->pascal voc

```
In [5]: #folder contain text files with its annotation + images
dataset1 = importer.ImportYoloV5(r"C:\Users\Microsoft\Desktop\conversi
```

```
Importing YOLO files...: 0%|
| 0/10 [00:00<?, ?it/s]
Importing YOLO files...: 20%|
| 2/10 [00:00<00:01, 7.50it/s]
Importing YOLO files...: 60%|
| 6/10 [00:00<00:00, 15.36it/s]
Importing YOLO files...: 100%|
| 10/10 [00:00<00:00, 16.28it/s]</pre>
```

```
▶ #folder contain files..each file contain only one image aannotation
In [6]:
            dataset1.export.ExportToVoc(r"C:\Users\Microsoft\Desktop\conversion CY
                                      0%|
            Exporting VOC files...:
             0/5 [00:00<?, ?it/s]
            Exporting VOC files...: 100%
                                5/5 [00:00<00:00, 25.72it/s]
    Out[6]: ['C:\\Users\\Microsoft\\Desktop\\conversion CYP\\VOC\\51_afi_article
            1 the-secret-language-of-cats png.rf.bf0c9f0777242f6f70d19dd1d0b1867
            e.xml',
              'C:\\Users\\Microsoft\\Desktop\\conversion CYP\\VOC\\220px-Tabby ca
            t_with_visible_nictitating_membrane_jpg.rf.6d1640cc13aebe691ed3351f2
            8f2c6c9.xml',
              'C:\\Users\\Microsoft\\Desktop\\conversion CYP\\VOC\\640px-Cat_Nove
            mber 2010-1a jpg.rf.54adce14843be605990e88223002bf5e.xml',
              'C:\\Users\\Microsoft\\Desktop\\conversion CYP\\VOC\\AdobeStock_472
            713009_jpeg.rf.db4ff00f1456ef6a7d1ebe519db380ca.xml',
              'C:\\Users\\Microsoft\\Desktop\\conversion CYP\\VOC\\adorable-anima
            1-breed-1108099-624x468_jpg.rf.9729d642c22fd5089dbd780d211eb239.xm
            1']
         Pascal-->Coco
            from pylabel import importer
In [9]:
            #folder contain files..each file contain only one image aannotation
In [10]:
            dataset2 = importer.ImportVOC(r"C:\Users\Microsoft\Desktop\data")
            Importing VOC files...:
             | 0/7 [00:00<?, ?it/s]
            Importing VOC files...: 100%|
                                 | 7/7 [00:00<00:00, 7.33it/s]
          #folder contain one file
In [11]:
            dataset2.export.ExportToCoco(r"C:\Users\Microsoft\Desktop\data\coco\cd
            Exporting to COCO file...:
             | 0/3 [00:00<?, ?it/s]
            Exporting to COCO file...: 100%
                              | 3/3 [00:00<00:00, 7.39it/s]
   Out[11]: ['C:\\Users\\Microsoft\\Desktop\\data\\coco\\coco_new.json']
         Coco-->pascal voc (task)
In [ ]:
```

localhost:8888/notebooks/Desktop/conversion CYP/Conversion coco - yolo - pascal.ipynb#