Labelme 使用手册

labelme是什么

Labelme是图形图像注释工具,用python编写的,并使用qt运行的一个软件。 其功能可以用于目标检测、图像分割、语义识别等对图像进行标注和分割。

安装

环境安装

- 1. anaconda 安装 (见anaconda 安装教程)
- 2. 虚拟环境创建 (见anaconda安装教程) python==3.8
- 3. 库安装:

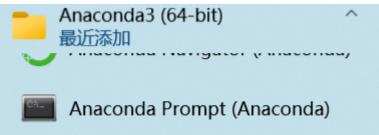
```
conda install pyqt
conda isntall pillow
pip install labelme -i https://pypi.douban.com/simple
```

4. 运行labelme 进入labelme环境

labelme

label使用方法

打开菜单栏,选择anaconda文件夹下ananconda prompt



单击打开, 英文输入后按

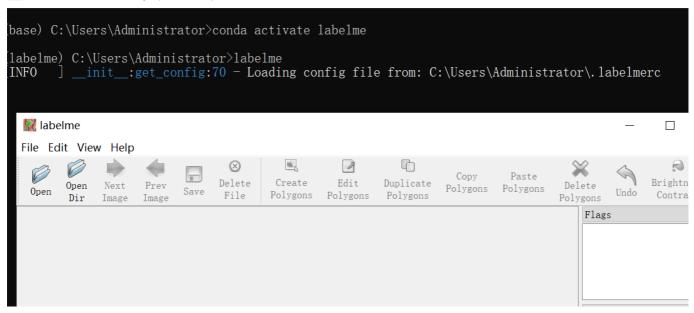
enter,每个单词之间有空格,注意是英文字符:

conda activate labelme

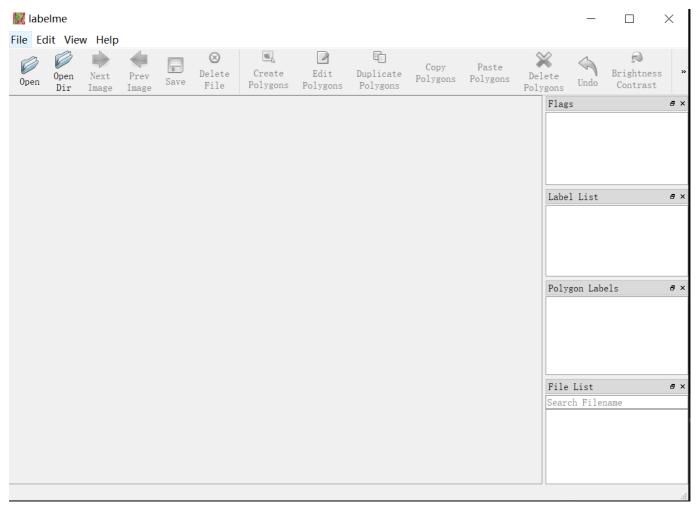
```
(base) C:\Users\Administrator>conda activate labelme
(labelme) C:\Users\Administrator>_
```

成功的效果是前面的(base)变成了(labelme) 输入labelme,按enter, 进入界面

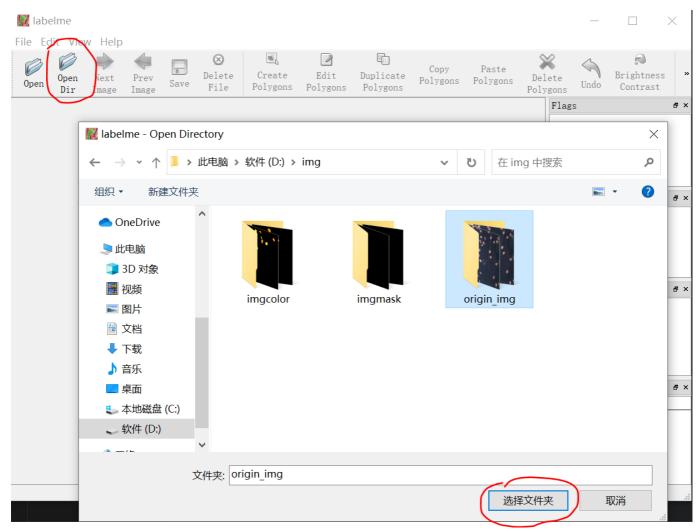
■ 管理员: Anaconda Prompt (Anaconda) - labelme



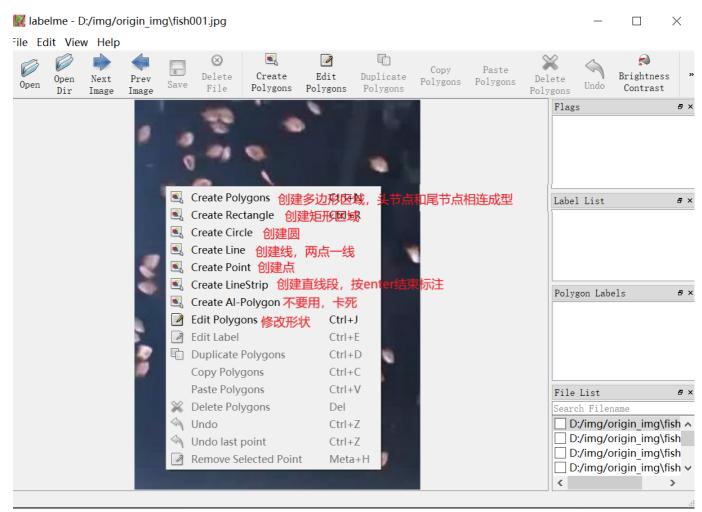
运行labelme后,首界面



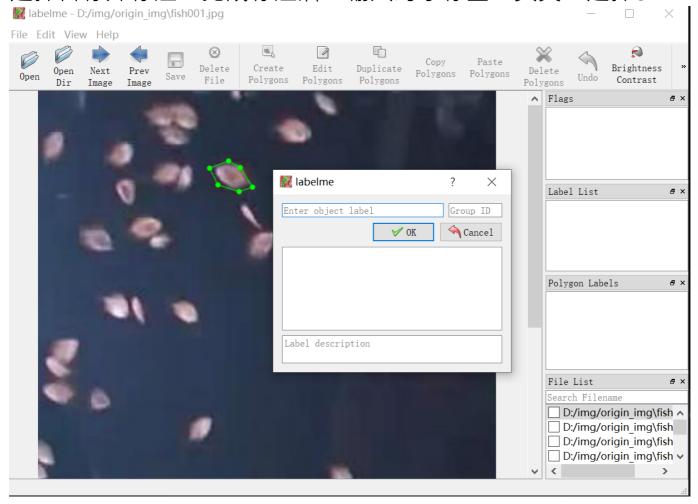
点击Open Dir 打开文件夹,选到文件夹层级



在图片上右键,选择标注方式



选择目标并标注,完成标注后,输入对象标签,英文。选择ok

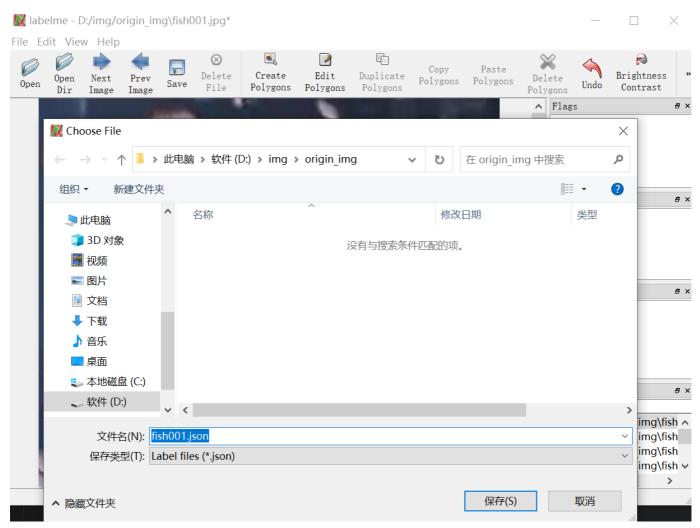


☐ D:/img/origin_img\fish☐ D:/img/origin_img\fish ✔

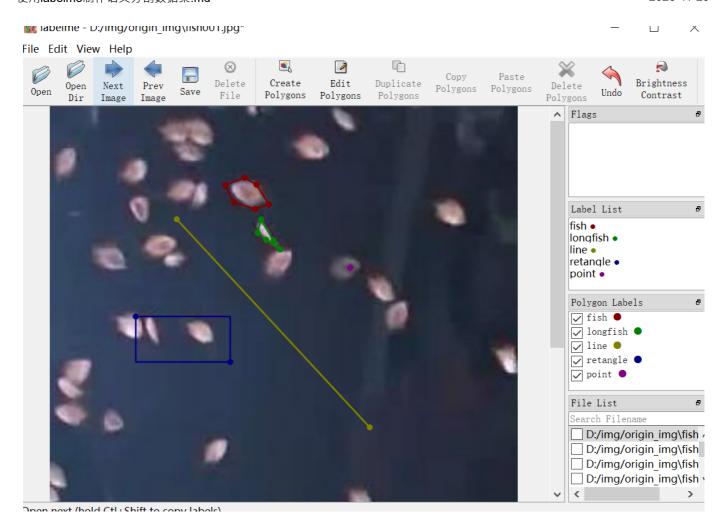
V <

不同标签会用不同颜色,相同目标选择相同标签 Iabelme - D:/img/origin_img\fish001.jpg* \times File Edit View Help €, \otimes Paste Copy Delete Create Edit Duplicate Brightness Next Prev Delete 0pen Polygons Polygons 0pen Save Polygons Undo File Polygons Polygons Contrast Polygons Image Flags ₽× Label List ₽× fish • longfish • line • retangle • point • Polygon Labels ✓ fish ● ✓ longfish ● ☐ line ● ✓ retangle ✓ point ● File List ₽× Search Filename ☐ D:/img/origin img\fish ∧ D:/img/origin img\fish

点击Save保存,保存到一个文件及即可,文件夹名称为英文。



点击Next Image进入下一张的标注



json文件转化为mask

安装包下载

```
#下载cv2
pip install -i https://pypi.tuna.tsinghua.edu.cn/simple opencv-python
```

查看cover.py 和 tocolor.py文件