



Identification of strawberry symptoms & LabelMe tutorial

2022.11.29

Identification of strawberry symptoms

stage	features	leaf blight (葉枯病)	angular spot (角斑病)
	label	0	I
any	block by veins	X	○
	yellow surrounding	X	○
early & middle	number of lesions	less, scatter	more, crowded
	shape of lesions	circular	angular
late	sector	○	X
	crack	X	○
	black spots	X	○

- The reason we put leaf blight and anthracnose in the same group is that they look similar in the early stage and the way we deal with them are similar as well.

Stage of Leaf Blight

Early Stage

leaf blight



Late stage

leaf blight



stage	features	leaf blight
	label	0
any	block by veins	X
	yellow surrounding	X
early & middle	number of lesions	less, scatter
	shape of lesions	circular
late	sector	O
	crack	X
	black spots	X

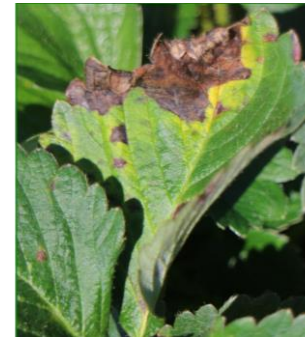
Leaf blight feature - sector



stage	features	leaf blight
	label	0
any	block by veins	X
	yellow surrounding	X
early & middle	number of lesions	less, scatter
	shape of lesions	circular
late	sector	O
	crack	X
	black spots	X

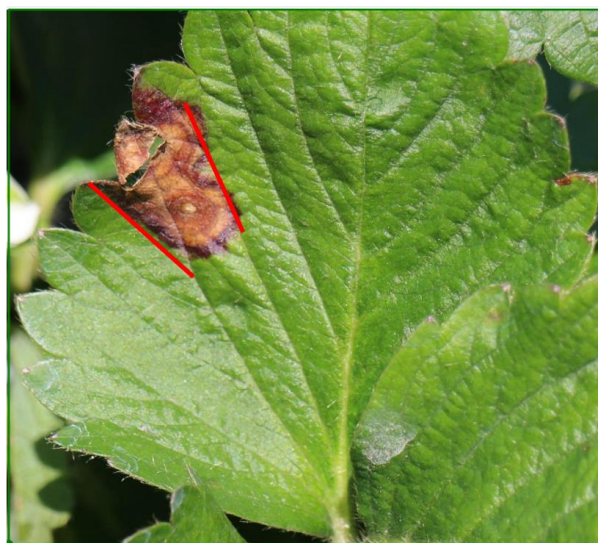
Stage of Angular Spot

Early Stage Middle Stage Late stage



stage	features	angular spot
	label	I
any	block by veins	○
	yellow surrounding	○
early & middle	number of lesions	more, crowded
	shape of lesions	angular
late	sector	X
	crack	○
	black spots	○

Angular spot feature - block by veins



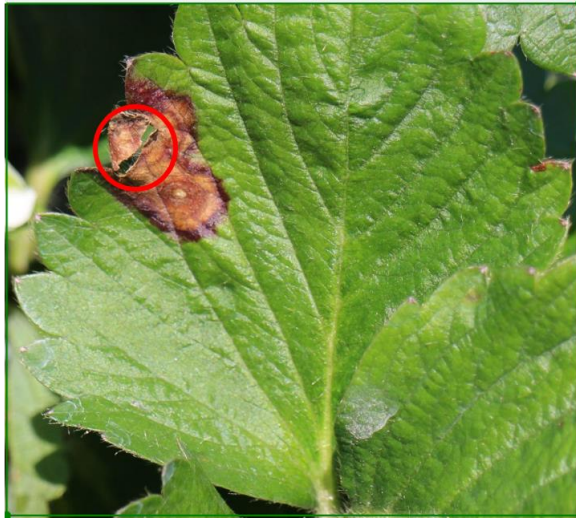
stage	features	angular spot
	label	I
any	block by veins	O
	yellow surrounding	O
early & middle	number of lesions	more, crowded
	shape of lesions	angular
late	sector	X
	crack	O
	black spots	O

Angular spot feature - yellow surrounding



stage	features	angular spot
	label	I
any	block by veins	○
	yellow surrounding	○
early & middle	number of lesions	more, crowded
	shape of lesions	angular
late	sector	X
	crack	○
	black spots	○

Angular spot feature - crack



stage	features	angular spot
	label	I
any	block by veins	O
	yellow surrounding	O
early & middle	number of lesions	more, crowded
	shape of lesions	angular
late	sector	X
	crack	O
	black spots	O

Nature aging or lack of water

Not cause by angular spot





LabelMe Tutorial

Install and Open LabelMe

1. Open anaconda prompt

- Search anaconda prompt

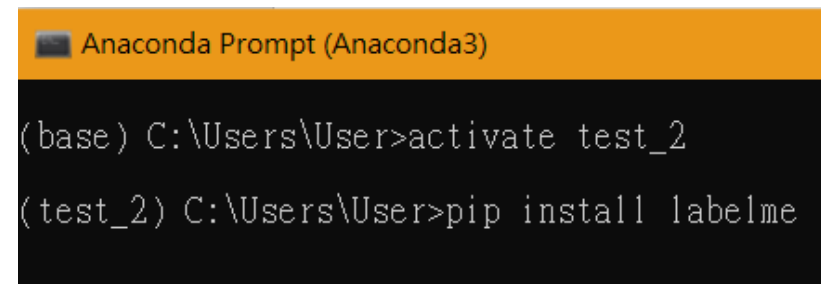


2. Install LabelMe

(If need create new environment)

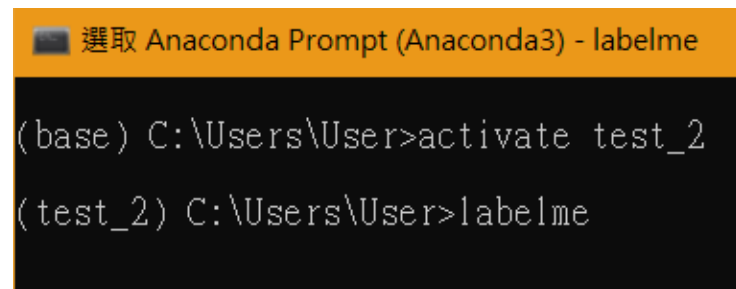
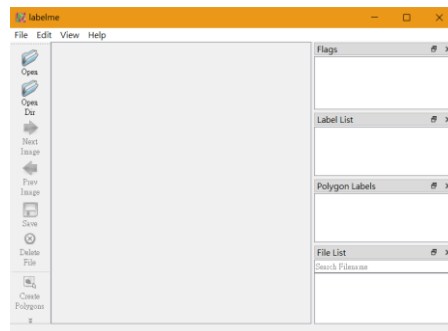
(conda create --name env_name python==3.x.x)

- activate env_name
- pip install labelme



3. Open LabelMe

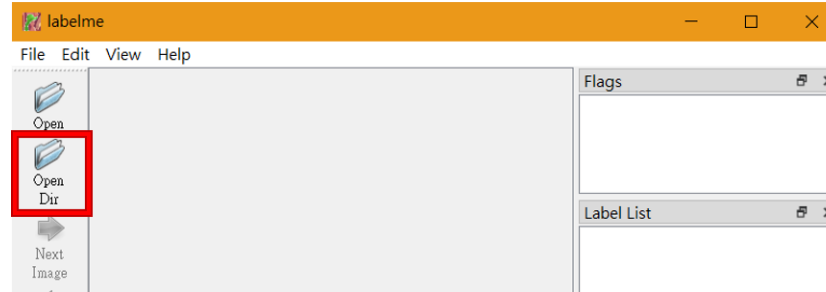
- labelme



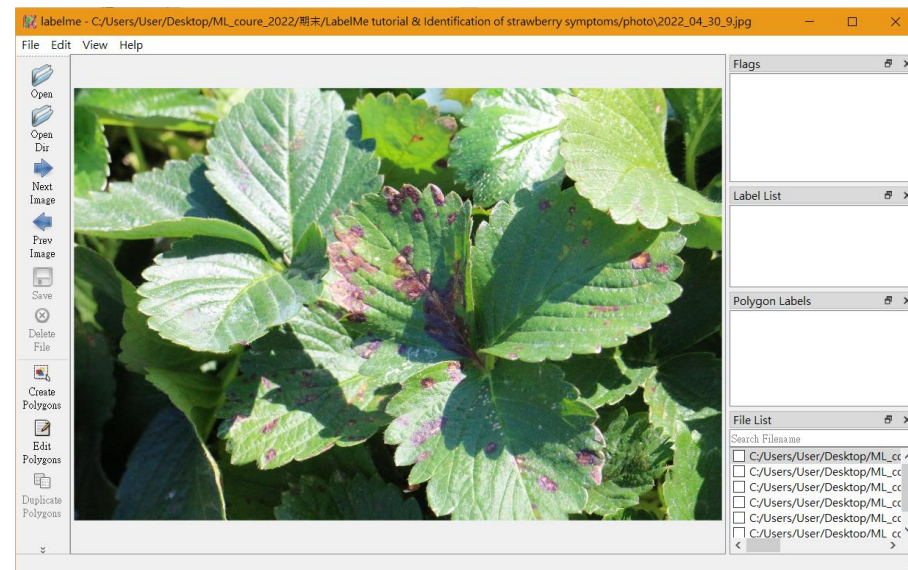
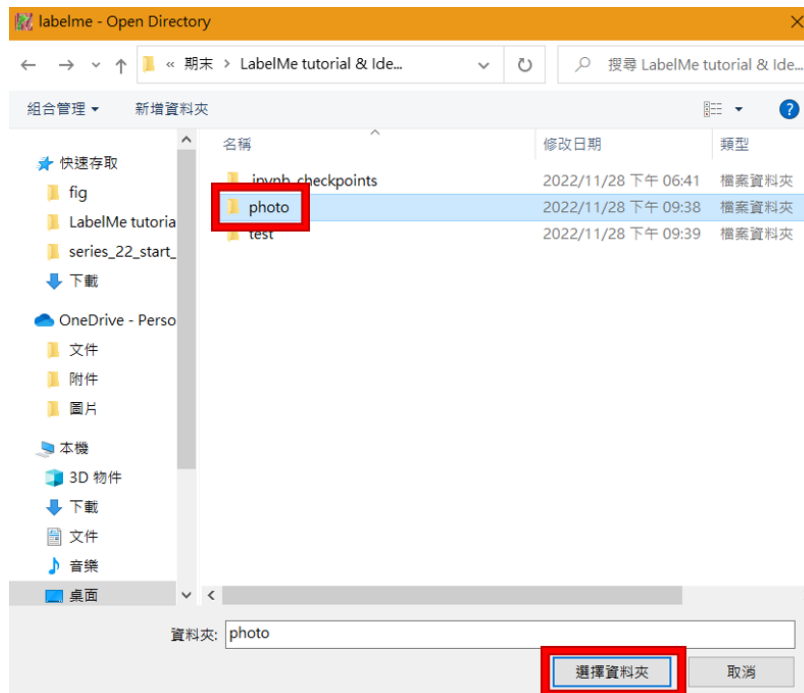
Label Data using LabelMe

4. Open the directory of the image file

(1) Click Open Dir



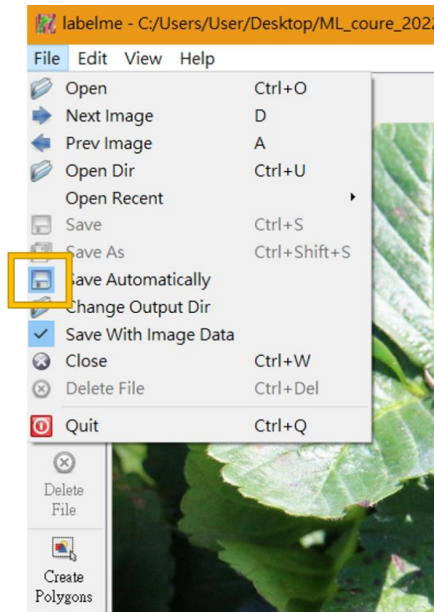
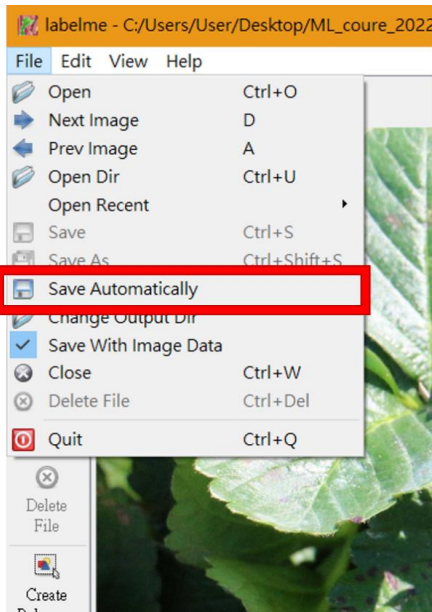
(2) Select the directory



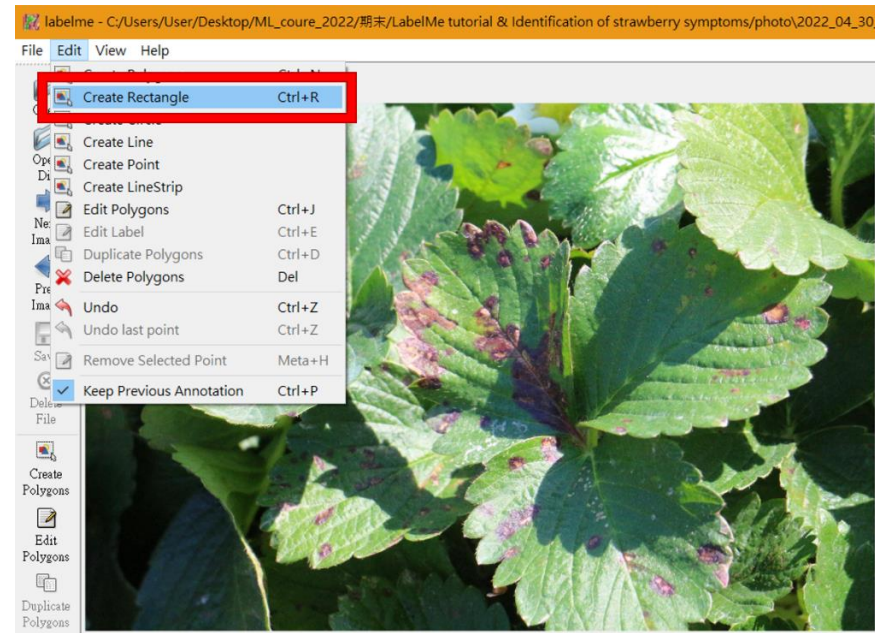
Label Data using LabelMe

5. Labeling

(1) Click File/ Save Automatically



(2) Click Edit/ Create Rectangle

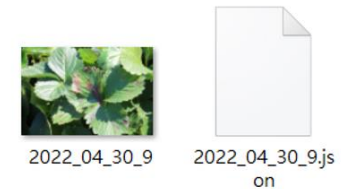


Label Data using LabelMe

5. Labeling

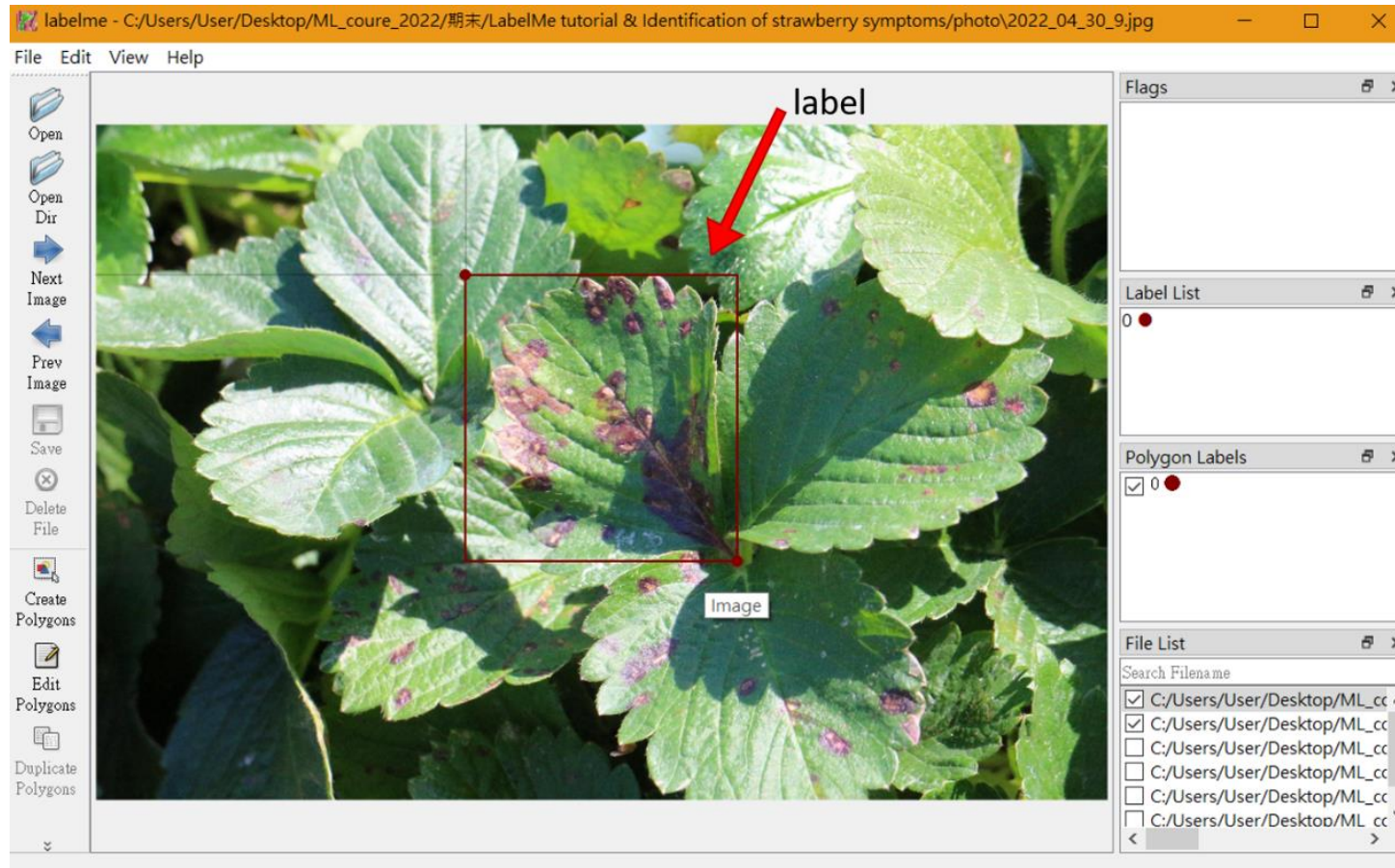
(3) Label target area

Original image & output file



2022_04_30_9

2022_04_30_9.js
on



Next Image

6. Click on the Next Image to continue labeling

