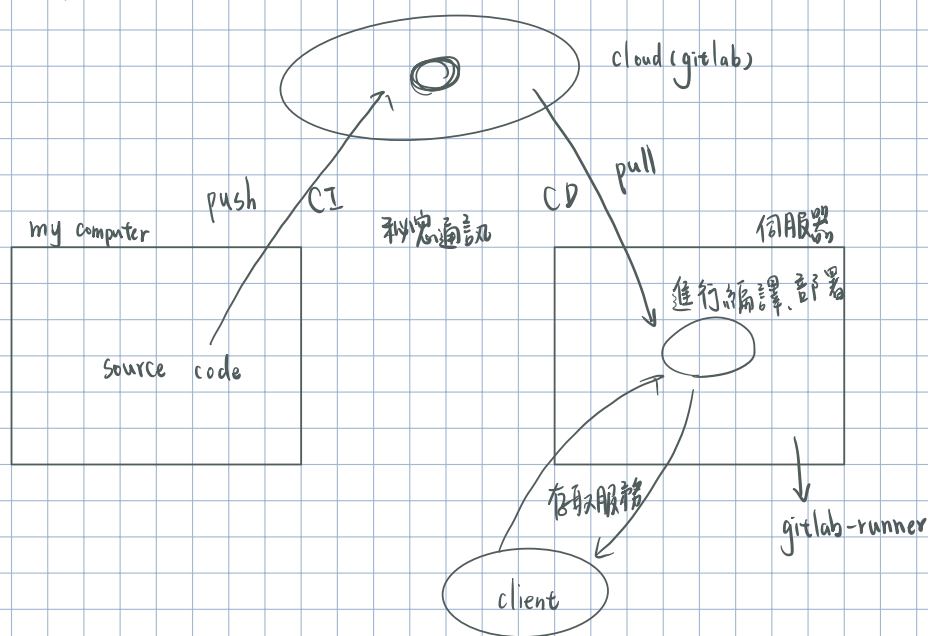


在網站上判斷是否為蕁麻疹

用 $Euclidean$ 距離的表徵比例,去判斷哪一類的iris (共有3類)

CI/CD: 程式開發的過程中,只要有一個地方有問題,修改程式碼,然後提交到雲端上,雲端就會把程式
持續整合 持續部署 式丟到一個機器上,進行編譯,部署上去



Centos7

```
# mkdir test-iris
# cd /test-iris
# vim train-model.py
:
sklearn 人工智慧套件
# python train-model.py
:
/ ~ No module named sklearn
# yum install python-pip
# wget http...
# python get-pip.py
# pip install sklearn
```

升級

```
/test-iris
# python train-model.py
# ls
```

model.pkl
vim app.run
vim client.py
pip install flask

window1 # python app.run

window2 # python client.py

顯示花的類別
vim client.py
feature
數值改變, 種類也可能會不一樣

Centos7 \ Centos7-2

cd ~

cd .ssh

ls

id_rsa id_rsa.pub
私 公

沒有這些的話

run

ssh-keygen

cat id_rsa.pub

拷貝 Gitlab - Preferences - SSH Keys

在本機端用成 docker 的服務

cd test-iris

gedit Dockerfile

gedit requirement.txt

docker build -t iris:1.0 .

docker run -itd --name iris -p 5000:5000 iris:1.0

python client.py

上傳到 gitlab
gitlab 建 project

Menu - Projects - Your projects - New project - Create blank project

centos7

/ test-iris

```
# git config --global user.name "zixixixx"
```

```
# git config --global user.email "zixi1999@gmail.com"
```

```
# git init
```

```
# git remove add origin ...
```

```
# git add .
```

```
# git commit -m "Initial Commit"
```

```
# git push -u origin master
```

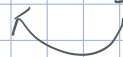
上傳失敗

test-iris

```
# rm -rf .git
```

```
# git init
```

重覆



CD

centos7-2 下載 gitlab-runner
編譯部署

centos7-2

```
# curl -L --output
```

```
# chmod +x /usr/local/bin/gitlab-runner
```

```
# useradd --comment 'gitlab runner' --create-home gitlab-runner --shell /bin/bash
```

```
# usermod -s /bin/bash gitlab-runner
```

```
# su - user
```

```
user # docker ps
permission denied
```

```
# su - gitlab-runner
```

```
gitlab-run# docker ps
inner
```

註冊 gitlab-runner: 跟 cloud 產生關連

setting - CI/CD - Runners - token

centos7-2

```
# gitlab-runner register
```

URL:

token:

tag:

shell - 腳本

註冊成功

1) 2) Enable share runners for this project
gitlab-runner run --working
--config

Centos7

/test-iris

gedit .gitlab-ci.yml

上傳 # git add .gitlab-ci.yml

git commit -m "add .gitlab-ci.yml"

git push -u origin master

Gitlab - CI/CD