Congestion Analyzer

EatCoder

지도 교수 : 장재영

김한솔 - 1292011

이승헌 - 1292034

황희재 - 1292047

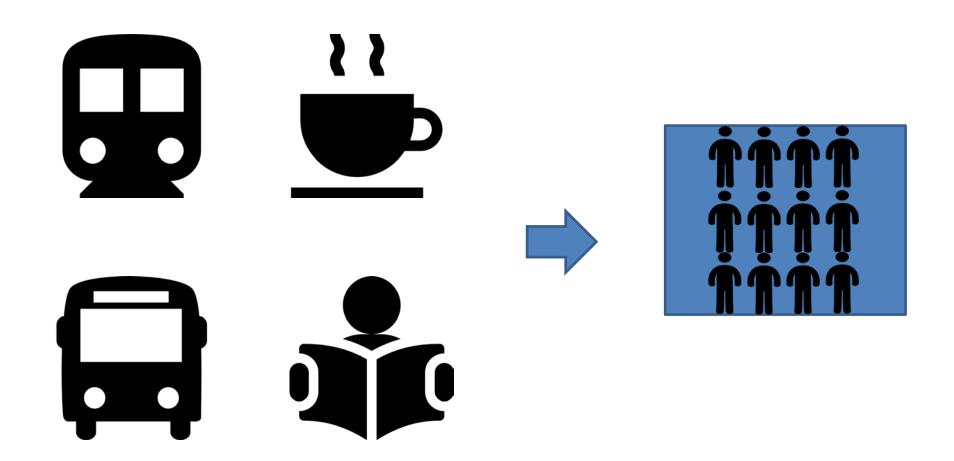
용영재 - 1292027

Intro

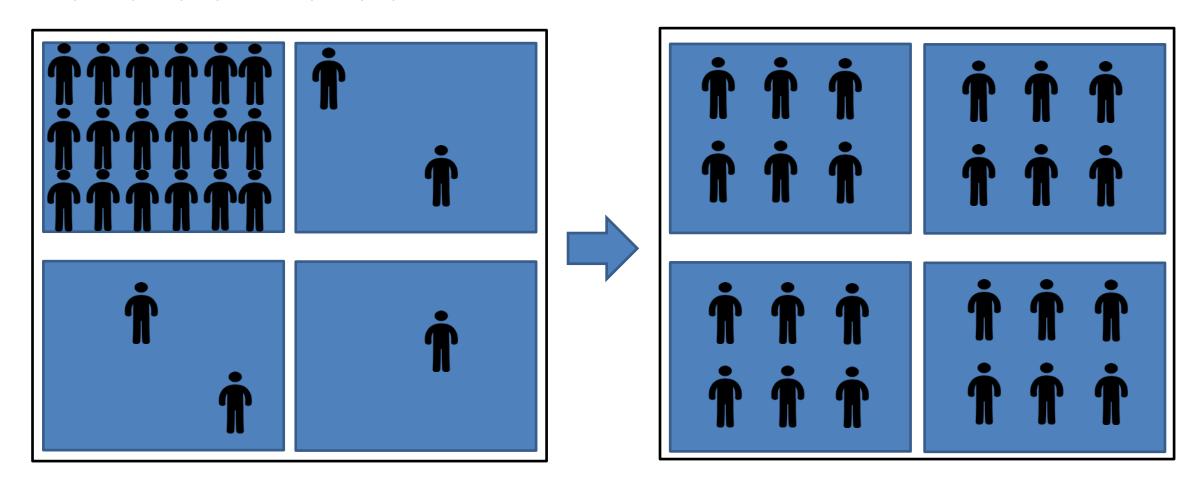
- 1. 프로젝트 개요
- 2. 프로젝트 구조
- 3. 프로젝트 진행상황
- 4. Q&A



인원이 집중되는 장소

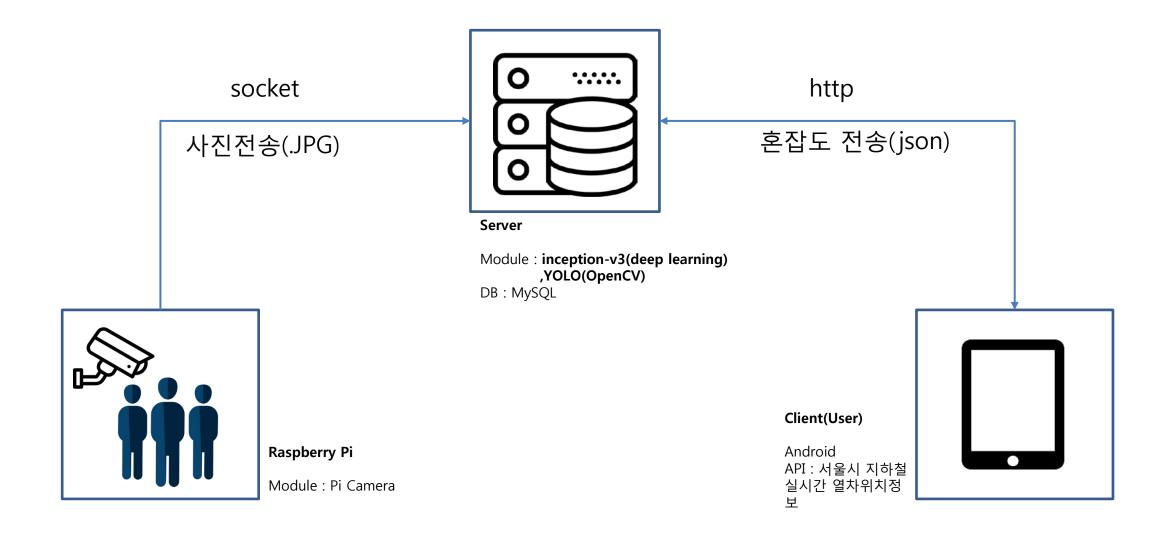


특정 시간대, 특정 칸, 특정 구역





프로젝트 구조



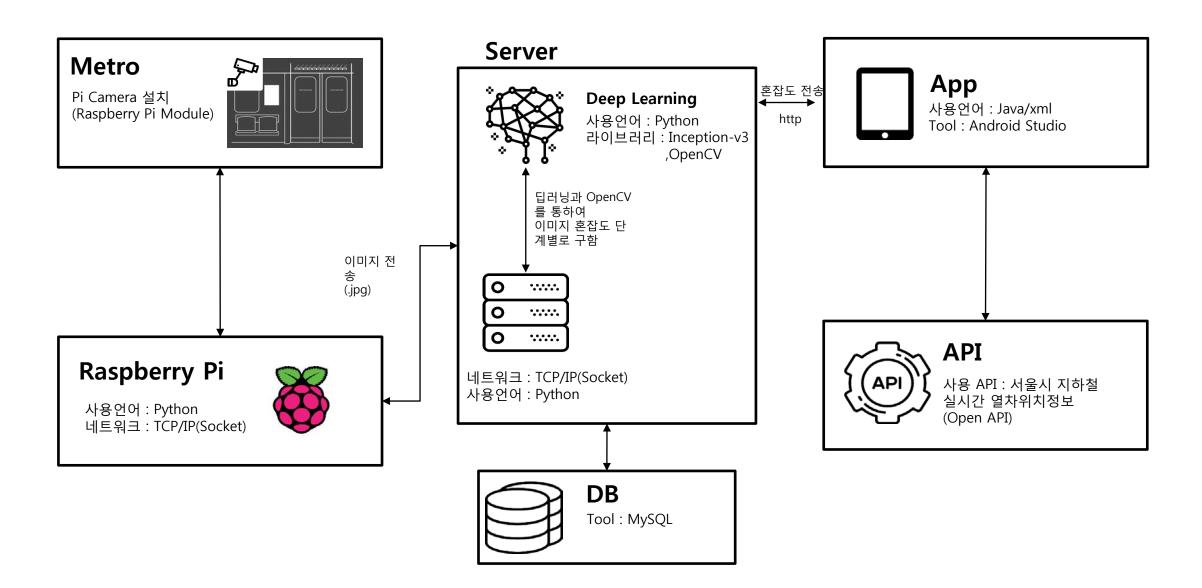
OpenCV



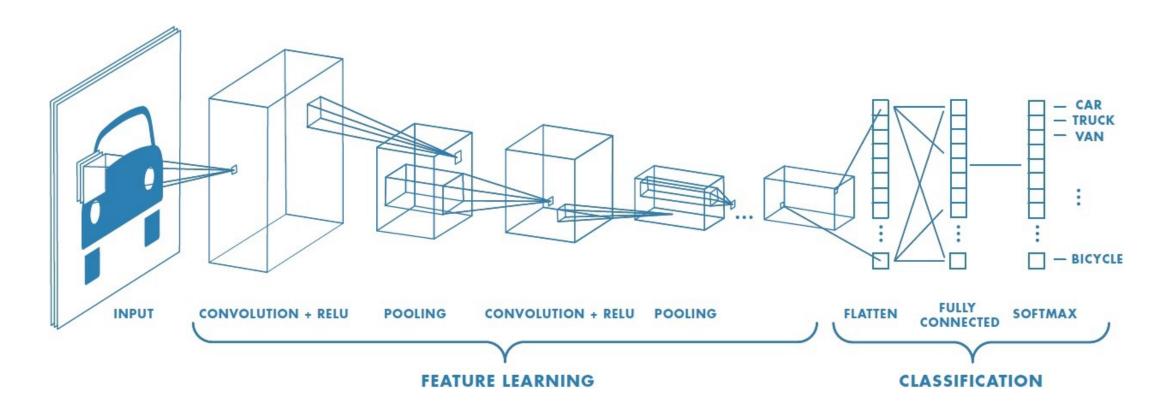
Deep Learning



프로젝트 구조



CNN

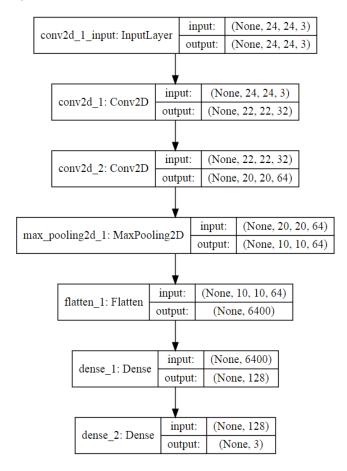


Input - Conv - RELU - Pool - RELU - Conv - RELU - Pool - Fully connected

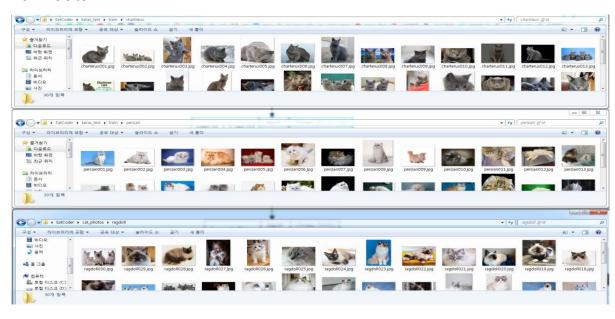
프로젝트 진행상황(DeepLearning 이전)

Keras: neural networks API

모델 구성



Train data



input data

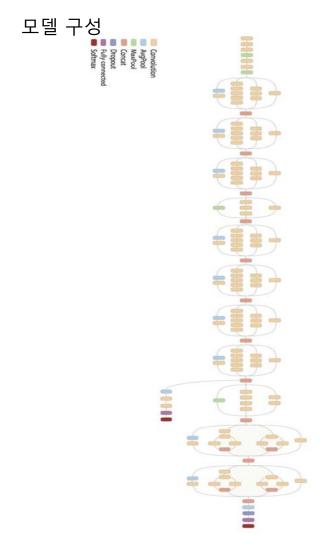


result

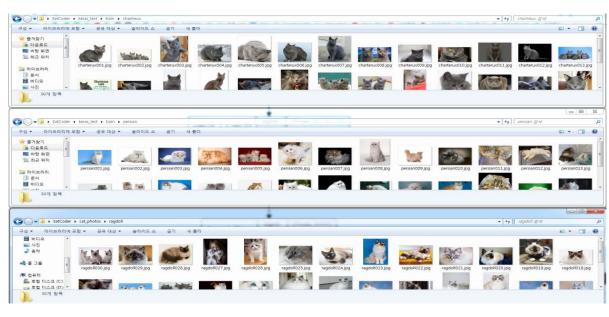
```
{'ragdoll': 2, 'chartreux': 0, 'persian': 1}
['persian##temp.jpg']
[[0.316 0.683 0.001]]
```

프로젝트 진행상황(DeepLearning 현재)

Inception-v3



Train data

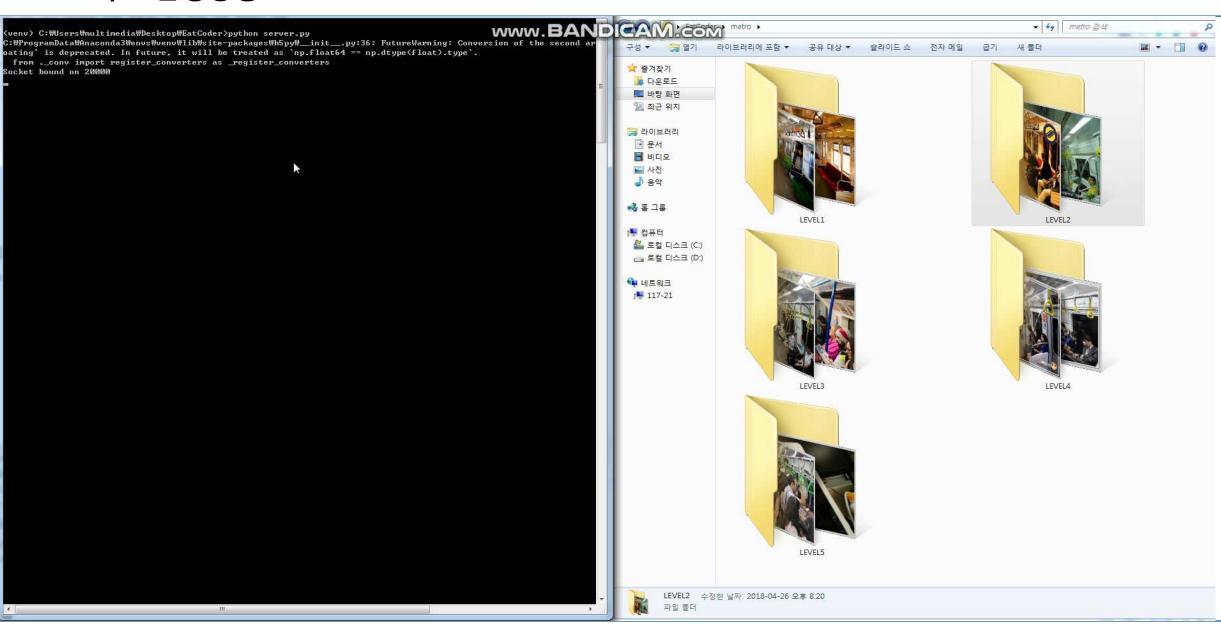


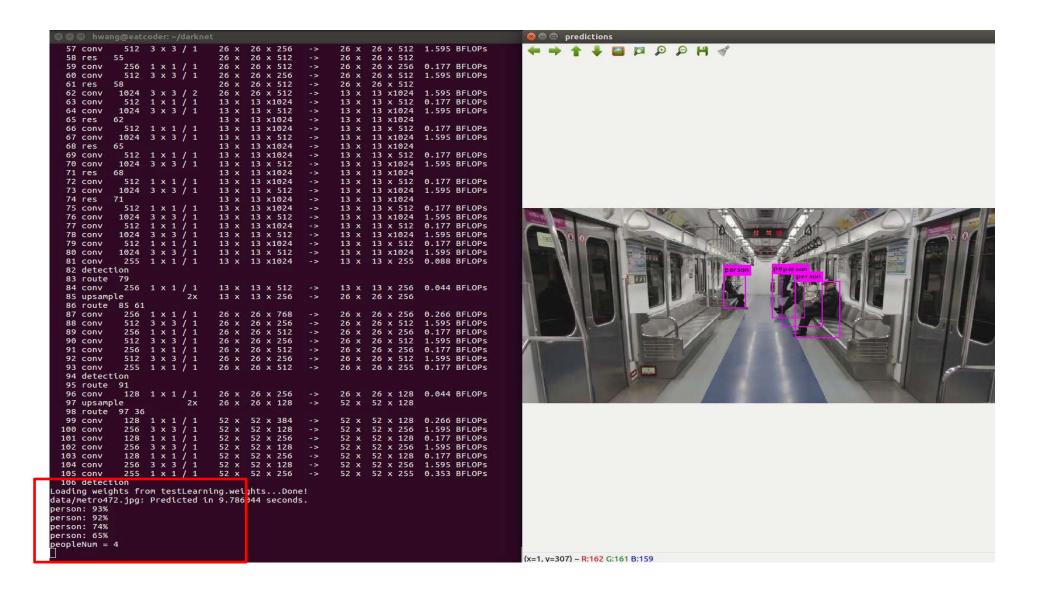
input data

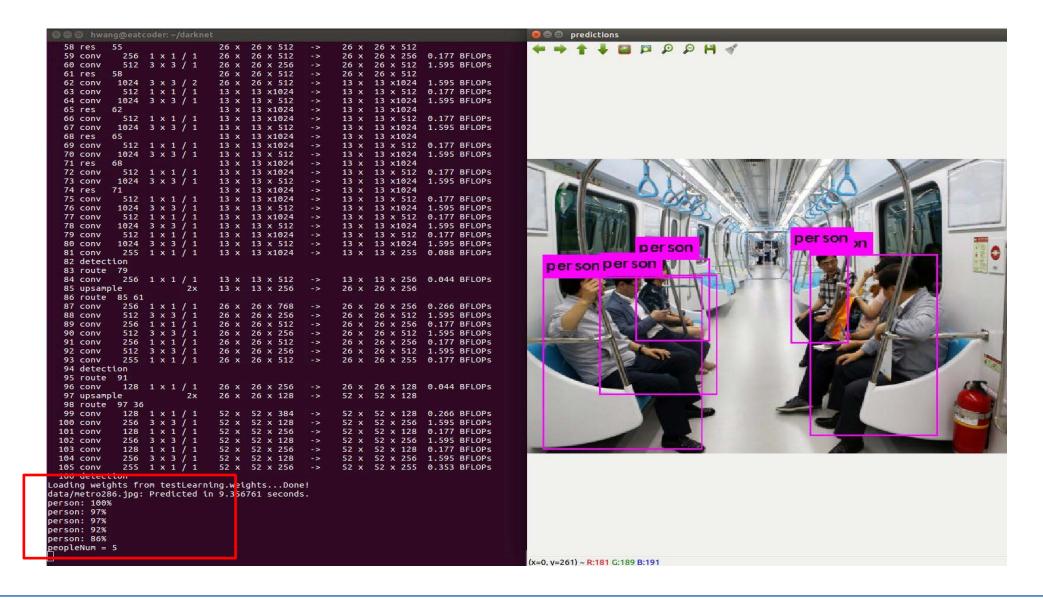


result

persian (score = 0.87143) ragdoll (score = 0.11378) chartreux (score = 0.01479) persian







프로젝트 진행상황(Client)



