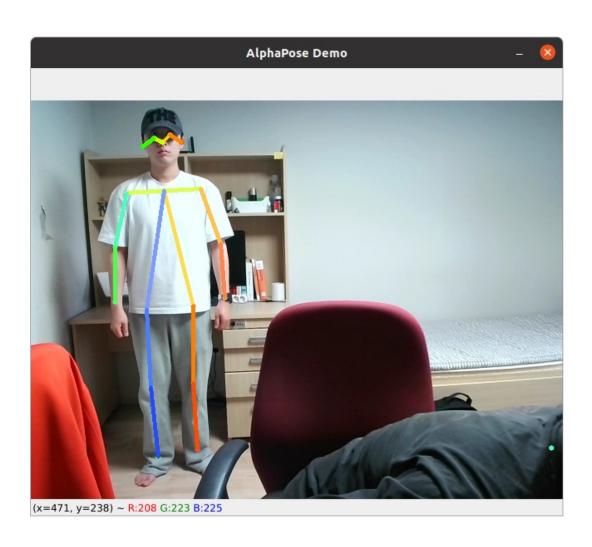
AlphaPose

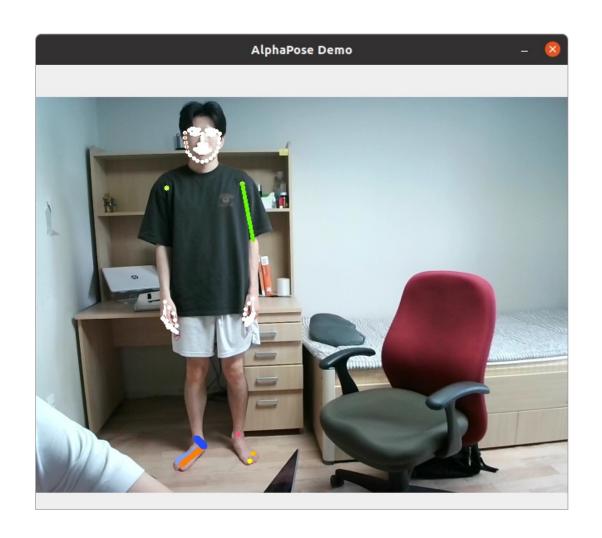
MSCOCO데이터셋모델성능

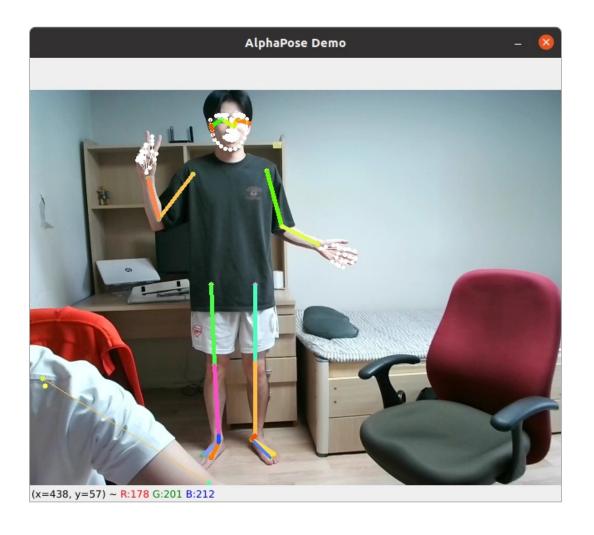


01 얼굴 손, 발 인식 미지원

02 인식하는 부분이 적은만큼 빠름

Halpe 데이터셋모델성능

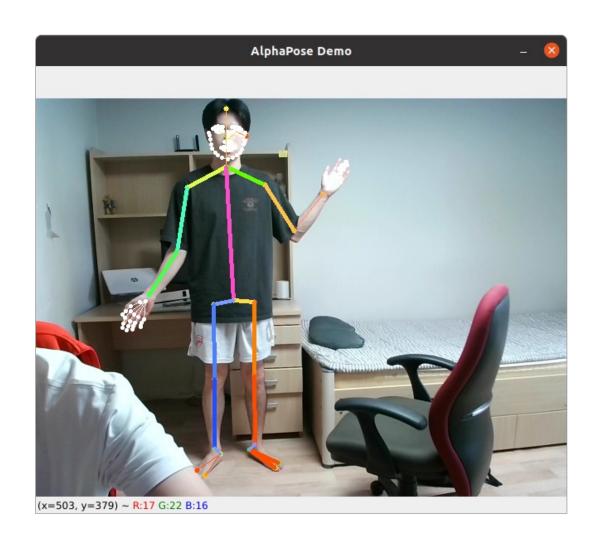


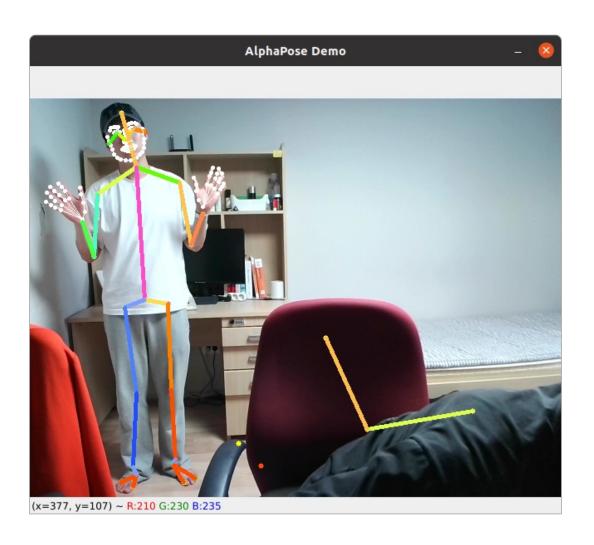


인식 성능이 좋지 않음

인식을 잘 되지만 몸통 인식 미지원

COCO-WholeBody데이터셋모델성능





두 모델 모두 손과 발, 그리고 얼굴까지 지원이 잘 됨

Multi_Domain데이터셋모델성능

















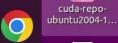
AlphaPose















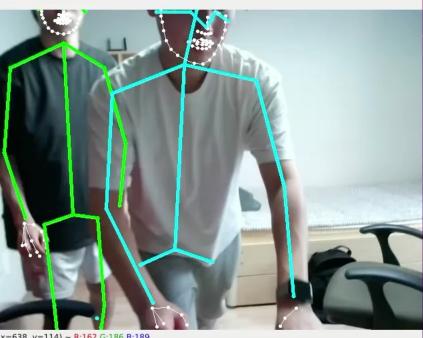
hello



hello_x86







utdir examples/res --vis --vis fast --pose track --webcam 0

/hpme/o401/.local/lib/python3.8/site-packages/torchvision/models/ utils.py:208: UserWarning: The parameter 'pretrained' is deprecated since 0.13 and may be remo ved in the future, please use 'weights' instead. warnings.warn(

/home/o401/.local/lib/python3.8/site-packages/torchvision/models/_utils.py:223: UserWarning: Arguments other than a weight enum or `None` for 'weights' are depr ecated since 0.13 and may be removed in the future. The current behavior is equi valent to passing `weights=ResNet50 Weights.IMAGENET1K V1`. You can also use `we ights=ResNet50_Weights.DEFAULT` to get the most up-to-date weights.

warnings.warn(msg)

Loading pose model from pretrained_models/multi_domain_fast50_dcn_combined_256x1 92.pth...

Loading YOLO model...

loading reid model from trackers/weights/osnet_ain_x1_0_msmt17_256x128_amsgrad_e p50_lr0.0015_coslr_b64_fb10_softmax_labsmth_flip_jitter.pth...

Starting webcam demo, press Ctrl + C to terminate...

Oit [00:00, ?it/s]/home/o401/Desktop/AlphaPose/trackers/__init__.py:19: UserWarn ing: Creating a tensor from a list of numpy.ndarrays is extremely slow. Please c onsider converting the list to a single numpy.ndarray with numpy.array() before converting to a tensor. (Triggered internally at ../torch/csrc/utils/tensor_new. cpp:245.)

new_hm = torch.Tensor(new_hm).to(args.device) 1319it [02:24, 8.08it/s]





























C hello.c

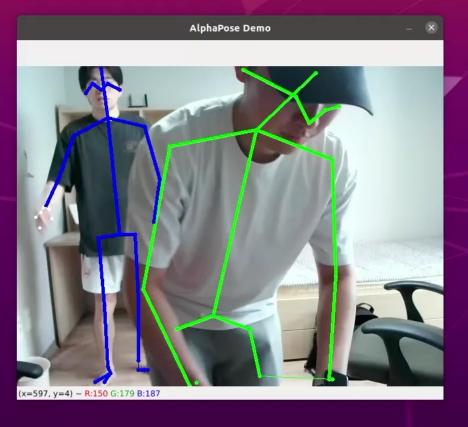


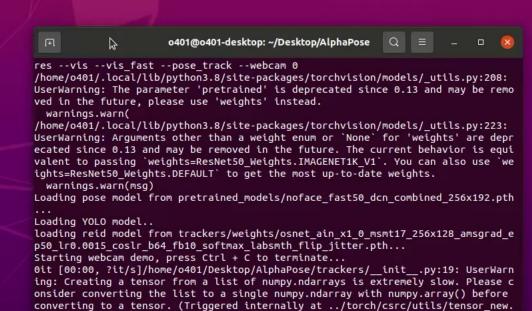
hello



hello_x86







new_hm = torch.Tensor(new_hm).to(args.device)

cpp:245.)

666it [01:06, 9.28it/s]



좌표값확인

```
res > {} alphapose-results.json > {} 0 > [ ] keypoints > # 33
                   QW...
                             Save
 Open
                                                               > 766.96
                                                                                 Aa <u>ab</u> * 1 of 1
                                                                                                     \wedge \downarrow = \times
 1 {'imgname': '4.jpeg', 'result': [{'keypoints':
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   tensor([[ 766.9642, 1835.9657],
                                                           "keypoints": [766.9642333984375, 1835.9656982421875,
             790.5078, 1788.8787],
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Disin Toyt - Tab Width: 0 -
```

결론

1

데이터셋들의 모델들이 대부분 준수한 성능을 보여줌

2

사람이 추가될 수록 성능이 안 좋아짐

3

출력된 좌표값을 어떻게 활용할 것인지 알아야 함