## Testing

python test.py --batch 32 --device 1 --name results --exist-ok

**Transfer learning**

# finetune p5 models

python train.py --epochs 10 --cache-images --exist-ok --save\_period 1

--adam --evolve

## Inference

On video:

python detect.py --weights best.pt --conf 0.25 --img-size 640 --source yourvideo.mp4

On image:

python detect.py --source data/pothole\_split/train/potholes0\_png\_jpg.rf.3e90971629af3f862c24298d8a1b5069.jpg --weights weights/best\_10.pt --conf-thres 0.001

CUSTOM

python test.py --data data/custom.yaml --img 640 --batch 32 --conf 0.001 --iou 0.65 --device 1 --weights best.pt --name yolov7\_640\_val --task test --exist-ok

python detect.py --weights best.pt --conf 0.25 --img-size 640 --source yourvideo.mp4

python detect.py --weights best.pt --conf 0.25 --img-size 640 --source data/pothole\_split/train/potholes0\_png\_jpg.rf.3e90971629af3f862c24298d8a1b5069.jpg

python train.py --workers 8 --device 1,2 --sync-bn --batch-size 64 --data data/custom.yaml --img 640 640 --cfg cfg/training/yolov7-custom.yaml --weights 'yolov7\_training.pt' --name yolov7 --hyp data/hyp.scratch.custom.yaml --epochs 100 --freeze 51