Step0- (optional) install CUDA and CUDNN if you want to use GPU

Step 1-inside “TruckDetect/ YoloNas\_Module”:

* python -m venv YoloNasVenv
* YoloNasVenv\Scripts\activate
* pip install ipykernel
* python -m ipykernel install --user --name=YoloNasVenv
* install pytorch.cuda based on pytorch documentation or if do not want to use gpu install torch for cpu
* pip install tensorboard
* pip install super-gradients
* pip install imutils
* pip install pytube --upgrade
* pip install onemetric
* pip install supervision
* pip install opencv-python
* pip install tqdm

step 3: open “TruckDetect/ YoloNas\_Module” in vscode, inside Code folder open train.ipynb file and select YolooNasVenv as kernel and run all cells.

Step 4: for see the train plots inside “TruckDetect/YoloNas\_Module/Code/runs” use this cmd (activate your created python venv “YoloNasVenv”) and open URL in your browser:

tensorboard --logdir=yolo\_nas\_s