Step0: (optional) if want to use GPU, install CUDA and CUDNN

Step1- Inside Yolov8\_Module:

* Create a python Venv: python -m venv Yolov8Venv
* Active Yolov8Venv: Yolov8Venv\Scripts\activate
* Install torch or if you want to use GPU Install torch.cuda based on pytorch installation Docs
* Install ultralytrics: pip install ultralytics==8.0.42
* Install ipykernel: pip install ipykernel
* Add Yolov8Venv to jupyter kernel: python -m ipykernel install --user --name=Yolov8Venv

Step2 – donload original video from <http://dmiftp.uqtr.ca/Public/FMeunier/ImagesETVideo/VideoCamions/>” and copy original video by name “TruckVideo.mp4” to “TruckDetect\Data”

Step3- install vscode and jupyter extensions

Step4- open “Yolov8\_Module” folder in vscode workspace, from “Yolov8\_Module\Code” open ‘Detection.ipynb’, select Yolov8Venv as kernel and run all cells.