conda create -n tfod python=3.9

conda create -n tfodV2 python=3.7

environment location: C:\Users\poopo\anaconda3\envs\tfod

## Install all dependencies and VM

conda activate tfod

pip list

conda update pip

pip install ipykernel

python -m ipykernel install --user --name=tfod

pip list from YT: 1:57.15

## Tensorflow Model Zoo

different model and different speed and accuracy. There is usually a trade off between these two components

<https://github.com/tensorflow/models/blob/master/research/object_detection/g3doc/tf2_detection_zoo.md>

# Use GPU to train our model

We want to use our GPU to train the model, to do so we need to download the right CUDA according to our python and tensorflow version. Check <https://www.tensorflow.org/install/source_windows>

<https://developer.nvidia.com/cuda-11.2.0-download-archive?target_os=Windows&target_arch=x86_64&target_version=10&target_type=exenetwork>

We also need to download the cuDNN

<https://developer.nvidia.com/rdp/cudnn-archive>

With python

python -m venv tfod

python3.7 -m venv tfod

.\tfod3\Scripts\activate

python -m pip install --upgrade pip

pip3 install tensorflow==2.7.0 tensorflow-gpu==2.7.0