# **Revisiting Single Image Depth Estimation: Toward Higher Resolution Maps with Accurate Object Boundaries**

**Pretrained Models**

Download Pretrained model from [here](https://drive.google.com/file/d/1QaUkdOiGpMuzMeWCGbey0sT0wXY0xtsj/view)

Download NYUDV2 dataset from [here](https://drive.google.com/file/d/1WoOZOBpOWfmwe7bknWS5PMUCLBPFKTOw/view)

**Running the Demo file**

python demo.py

It takes the input images from input folder and creates the depth map of same size and same name in the output folder. I have some input images in the input folder and their output in output folder.

Input - png file of any resolution

Output - png file with same name and resolution

**Changing the colormap**

plt.set\_cmap("Greys")#colormap --- in demo.py

**Running the Train file**

python train.py

Training and testing samples goes to data directory

Pretrained Model goes to pretrained\_model directory

**Dependencies**

* Python 2.7
* Pytorch-msssim
  + pip install pytorch-msssim
* Torchvision 0.4.1
  + pip install torchvision==0.4.1
* Torch 0.3.1
  + pip install torch==0.3.1

The uploaded project already has a very small training data inside.