Project

Voxnet

<https://github.com/amitregmi/VoxNet-Google-Colab/blob/master/voxnet.ipynb>

<https://github.com/hmikkos/Voxnet/blob/master/Projet%20.ipynb>

<https://github.com/amitregmi/VoxNet-Google-Colab/blob/master/prepare_data.py>

Convert all \*.off files to \*.binvox

<https://github.com/Ryanglambert/3d_model_retriever>

<https://www.patrickmin.com/binvox/>

* Download modelnet10 in windows
* Download binvox.exe
* Cd to each folder that contains .off files (eg. bathtub/test)
  + Run for %i in (\*.off) do BINVOX.EXEPATH -cb -e -c -d 30 "%i"
  + del \*.off

voxnet lidar :

<https://github.com/VincentCheungM/voxnet_lidar>

<https://github.com/rexfwang/voxNet/blob/master/VoxNet_notebook.ipynb>

https://github.com/rexfwang/voxNet/blob/master/VoxNet\_notebook.ipynb

mvcnn

<https://github.com/AmitTurner/MVCNN-Multi-view-Convolutional-Neural-Networks-for-3D-Shape-Recognition>

<https://github.com/AmitTurner/MVCNN-Multi-view-Convolutional-Neural-Networks-for-3D-Shape-Recognition/blob/master/assignment_1.ipynb>

pointnet

<https://colab.research.google.com/github/nikitakaraevv/pointnet/blob/master/nbs/PointNetClass.ipynb#scrollTo=_8W4gOI_P9a9>

models papers

<https://people.cs.umass.edu/~jcsu/papers/shape_recog/>