1. Python, Tensorflow and TF-Slim

I used Python, Tensorflow and TF-Slim. Python is a language for Tensorflow and Tensorflow is a powerful library for Machine Learning and Neural Network. Also, TF-slim is a library based on Tensorflow. With TF-Slim, I can easily use famous models and famous datasets as well. So doing a project I developed with TF-Slim

TF-Slim

1. Provides often-used datasets

Dataset	Training Set Size	Testing Set Size	Number of Classes	Comments
Flowers	2500	2500	5	Various sizes (source: Flickr)
Cifar10	60k	10k	10	32x32 color
MNIST	60k	10k	10	28x28 gray
ImageNet	1.2M	50k	1000	Various sizes

   I can easily use these datasets with TF-Slim libraries

2. Provides famous CNN models

Model	TF-Slim File	Checkpoint	Top-1 Accuracy	Top-5 Accuracy
Inception V1	Code	inception_v1_2016_08_28.tar.gz	69.8	89.6
Inception V2	Code	inception_v2_2016_08_28.tar.gz	73.9	91.8
Inception V3	Code	inception_v3_2016_08_28.tar.gz	78.0	93.9
Inception V4	Code	inception_v4_2016_09_09.tar.gz	80.2	95.2
Inception-ResNet-v2	Code	inception_resnet_v2.tar.gz	80.4	95.3
ResNet 50	Code	resnet_v1_50.tar.gz	75.2	92.2
ResNet 101	Code	resnet_v1_101.tar.gz	76.4	92.9
ResNet 152	Code	resnet_v1_152.tar.gz	76.8	93.2
VGG 16	Code	vgg_16.tar.gz	71.5	89.8
VGG 19	Code	vgg_19.tar.gz	71.1	89.8

   I can easily adopt these models in my project with TF-Slim libraries
3. Download at https://github.com/tensorflow/models/