## YOLO\_tensorflow

Tensorflow implementation of [YOLO](https://arxiv.org/pdf/1506.02640.pdf), including training and test phase.

### Installation

1. Clone yolo\_tensorflow repository

```Shell

$ git clone https://github.com/hizhangp/yolo\_tensorflow.git

$ cd yolo\_tensorflow

```

2. Download Pascal VOC dataset, and create correct directories

```Shell

$ ./download\_data.sh

```

3. Download [YOLO\_small](https://drive.google.com/file/d/0B5aC8pI-akZUNVFZMmhmcVRpbTA/view?usp=sharing)

weight file and put it in `data/weight`

4. Modify configuration in `yolo/config.py`

5. Training

```Shell

$ python train.py

```

6. Test

```Shell

$ python test.py

```

### Requirements

1. Tensorflow

2. OpenCV