Tensor Flow 2.0 Object Detection

Tensorflow installation

Install tensorflow 2.0 in ubuntu: https://www.pyimagesearch.com/2019/12/09/how-to-install-tensorflow-2-0-on-ubuntu/ Install tensorflow 2.0 in macOS: https://www.pyimagesearch.com/2019/12/09/how-to-install-tensorflow-2-0-on-macos/

Usage

** Using terminal, from your root directory `TensorFlowOD/` ,

** Start training the model:

```
        ```$ python train.py```
```

** It will save the detector.h5 , plot.png , test_images.txt

> `detector.h5`  : Serialized model after training

> `plot.png`  : Training history plot graph

> `test_images.txt`  : Contains the names of the images in our testing set

** Then , test or make prediction using the previously trained model:

```
        ```$ python predict.py --input [either the path of a single image or
test_imges.txt]```
```