00_DetectionStart

September 7, 2018

1 Minimal pydarknet detection example.

In [1]:
```
import sys
import pydarknet2
import numpy as np
```

In [2]:
```
# Load a classifier.
classifier = pydarknet2.Classifier("cfg/coco.data", "cfg/yolov3.cfg", "weights/yolov3.w
classifier
```

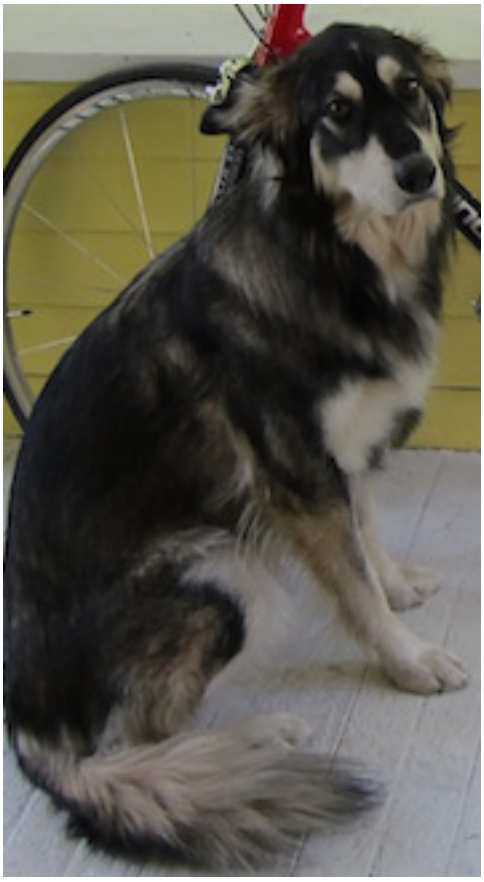
Out[2]:
```
Classifier<cfg/coco.data, cfg/yolov3.cfg, weights/yolov3.weights>
```

In [3]:
```
image_path = classifier.root+"/data/dog.jpg"
```

In [4]:
```
import PIL
img = PIL.Image.open(image_path)
img
```

Out[4]:

```
In [5]: dets = classifier.detect(img)

Loading network...Done
Loading metadata...Done


In [6]: dets

Out[6]: [Classified<dog, (134.86256408691406, 214.7501220703125, 313.55186462402344, 542.18652
         Classified<truck, (477.36522674560547, 81.4034652709961, 684.870735168457, 168.998481
         Classified<bicycle, (101.23869323730469, 125.75776672363281, 587.3878326416016, 447.7

In [7]: dets[0].classification

Out[7]: 'dog'

In [8]: dets[0].crop

Out[8]:
```



```
In [9]: dets[1].classification
```

```
Out[9]: 'truck'
```

```
In [10]: dets[1].crop
```

```
Out[10]:
```

```
In [11]: dets[2].classification
```

```
Out[11]: 'bicycle'
```

```
In [12]: dets[2].crop
```

Out[12]: