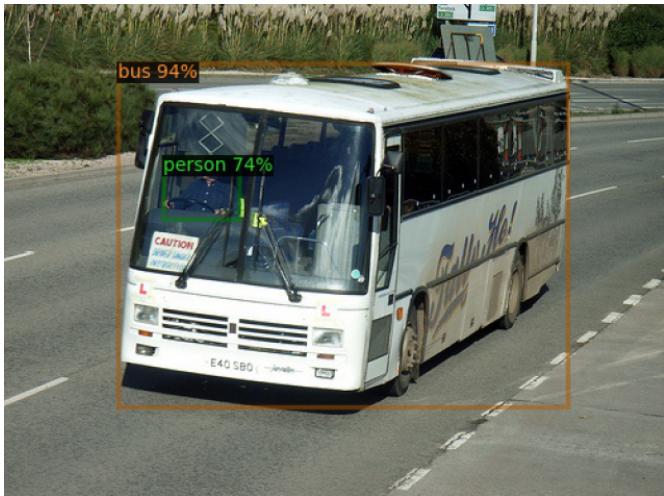
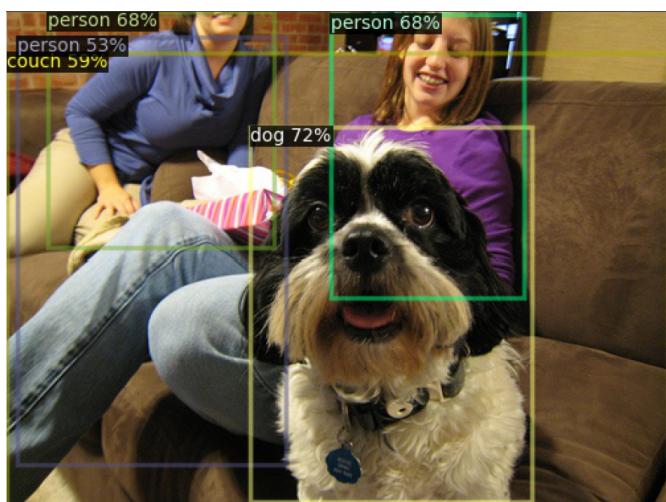


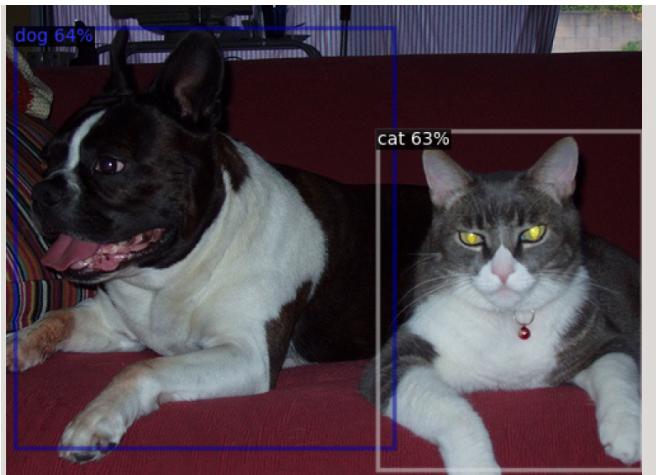
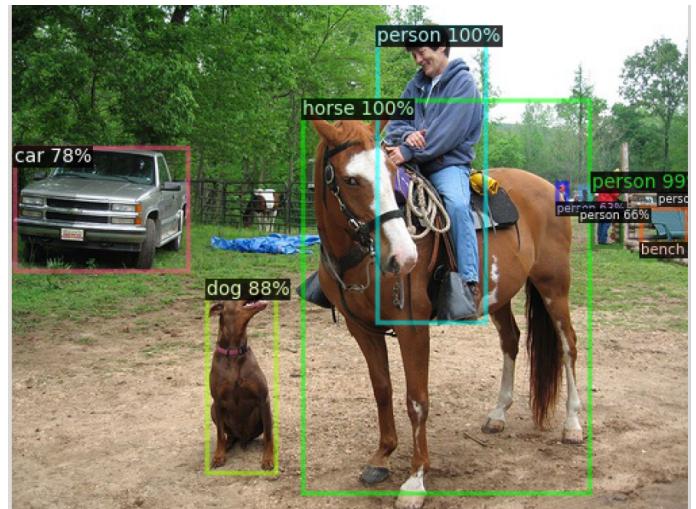
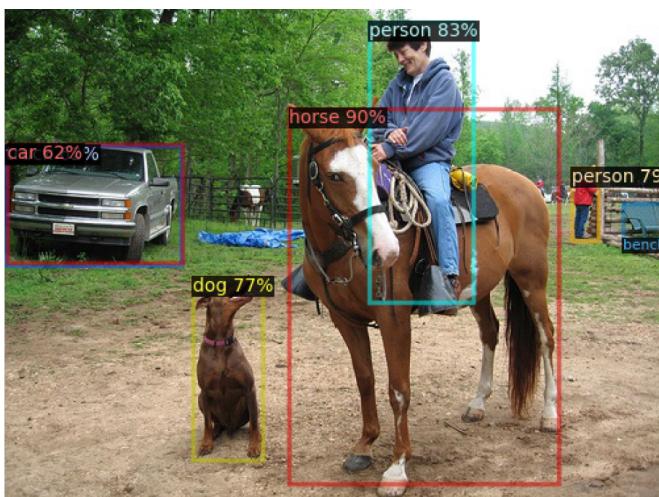
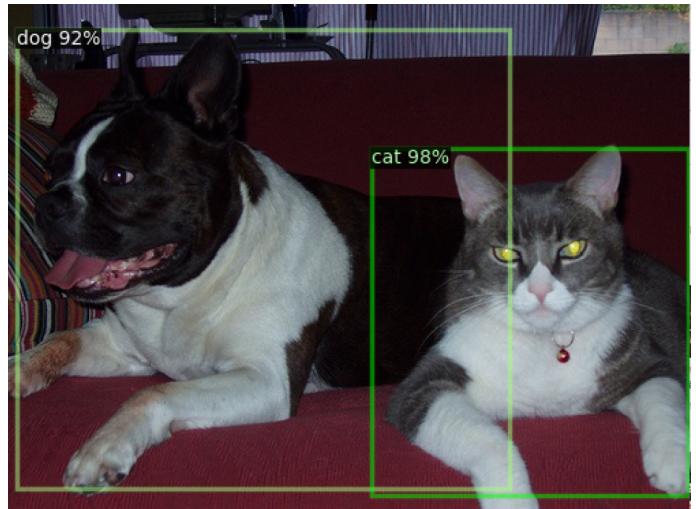
结果对比

RetinaNet



FastRCNN



RetinaNet**FastRCNN**

FastRCNN 精度更高

Evaluation 结果

FasterRCNN

```

Average Precision (AP) @[ IoU=0.50:0.95 | area=   all | maxDets=100 ] = 0.379
Average Precision (AP) @[ IoU=0.50     | area=   all | maxDets=100 ] = 0.588
Average Precision (AP) @[ IoU=0.75     | area=   all | maxDets=100 ] = 0.410
Average Precision (AP) @[ IoU=0.50:0.95 | area= small | maxDets=100 ] = 0.224
Average Precision (AP) @[ IoU=0.50:0.95 | area=medium | maxDets=100 ] = 0.411
Average Precision (AP) @[ IoU=0.50:0.95 | area=large  | maxDets=100 ] = 0.491
Average Recall    (AR) @[ IoU=0.50:0.95 | area=   all | maxDets=  1 ] = 0.315
Average Recall    (AR) @[ IoU=0.50:0.95 | area=   all | maxDets= 10 ] = 0.499
Average Recall    (AR) @[ IoU=0.50:0.95 | area=   all | maxDets=100 ] = 0.524
Average Recall    (AR) @[ IoU=0.50:0.95 | area=small  | maxDets=100 ] = 0.342
Average Recall    (AR) @[ IoU=0.50:0.95 | area=medium | maxDets=100 ] = 0.557
Average Recall    (AR) @[ IoU=0.50:0.95 | area=large  | maxDets=100 ] = 0.651

```

Top 15. 2215*51. 42 evaluation done. Evaluation results for bboxes.

RetinaNet

```
[06/15 21:58:19 d2.evaluation.fast_eval_api]: COCOeval_opt.accumulate() finished in 1.55 seconds.  
Average Precision (AP) @[ IoU=0.50:0.95 | area= all | maxDets=100 ] = 0.374  
Average Precision (AP) @[ IoU=0.50 | area= all | maxDets=100 ] = 0.567  
Average Precision (AP) @[ IoU=0.75 | area= all | maxDets=100 ] = 0.403  
Average Precision (AP) @[ IoU=0.50:0.95 | area= small | maxDets=100 ] = 0.231  
Average Precision (AP) @[ IoU=0.50:0.95 | area=medium | maxDets=100 ] = 0.416  
Average Precision (AP) @[ IoU=0.50:0.95 | area= large | maxDets=100 ] = 0.483  
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets= 1 ] = 0.319  
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets= 10 ] = 0.518  
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets=100 ] = 0.551  
Average Recall (AR) @[ IoU=0.50:0.95 | area= small | maxDets=100 ] = 0.372  
Average Recall (AR) @[ IoU=0.50:0.95 | area=medium | maxDets=100 ] = 0.592  
Average Recall (AR) @[ IoU=0.50:0.95 | area= large | maxDets=100 ] = 0.701
```

对比官方数据 FasterRCNN 37.9 RetinaNet 37.4

结果符合