

Aero2Astro
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Today i had started to training Faster rcnn upto 3000 iterations, and performed evaluation.

Train :

```
d2.evaluation.fast_eval_api]: Accumulating evaluation results...
d2.evaluation.fast_eval_api]: COCOeval_opt.accumulate() finished in 0.24 seconds.
ion (AP) @[ IoU=0.50:0.95 | area= all | maxDets=100 ] = 0.001
ion (AP) @[ IoU=0.50 | area= all | maxDets=100 ] = 0.005
ion (AP) @[ IoU=0.75 | area= all | maxDets=100 ] = 0.000
ion (AP) @[ IoU=0.50:0.95 | area= small | maxDets=100 ] = 0.001
ion (AP) @[ IoU=0.50:0.95 | area=medium | maxDets=100 ] = 0.002
ion (AP) @[ IoU=0.50:0.95 | area= large | maxDets=100 ] = 0.002
ion (AR) @[ IoU=0.50:0.95 | area= all | maxDets= 1 ] = 0.026
ion (AR) @[ IoU=0.50:0.95 | area= all | maxDets= 10 ] = 0.056
ion (AR) @[ IoU=0.50:0.95 | area= all | maxDets=100 ] = 0.095
ion (AR) @[ IoU=0.50:0.95 | area= small | maxDets=100 ] = 0.036
ion (AR) @[ IoU=0.50:0.95 | area=medium | maxDets=100 ] = 0.100
ion (AR) @[ IoU=0.50:0.95 | area= large | maxDets=100 ] = 0.110
d2.evaluation.coco_evaluation]: Evaluation results for bbox:
| AP75 | APs | APm | AP1 |
-:-----:|:-----:|:-----:|:-----:|
| 0.027 | 0.145 | 0.219 | 0.240 |
d2.evaluation.coco_evaluation]: Per-category bbox AP:
| AP | category | AP | category | AP |
-:-----:|:-----:|:-----:|:-----:|:-----:|
| 0.207 | tower_tucohy | 0.243 | tower_wooden | 0.000 |
bbox',
'AP': 0.1499189767275969
```

Test :

```
[10/03 10:35:03 d2.evaluation.fast_eval_api]: COCOeval_opt.accumulate() finished in 0.05 seconds.
Average Precision (AP) @[ IoU=0.50:0.95 | area= all | maxDets=100 ] = 0.004
Average Precision (AP) @[ IoU=0.50 | area= all | maxDets=100 ] = 0.012
Average Precision (AP) @[ IoU=0.75 | area= all | maxDets=100 ] = 0.000
Average Precision (AP) @[ IoU=0.50:0.95 | area= small | maxDets=100 ] = 0.000
Average Precision (AP) @[ IoU=0.50:0.95 | area=medium | maxDets=100 ] = 0.016
Average Precision (AP) @[ IoU=0.50:0.95 | area= large | maxDets=100 ] = 0.002
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets= 1 ] = 0.027
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets= 10 ] = 0.063
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets=100 ] = 0.108
Average Recall (AR) @[ IoU=0.50:0.95 | area= small | maxDets=100 ] = 0.020
Average Recall (AR) @[ IoU=0.50:0.95 | area=medium | maxDets=100 ] = 0.125
Average Recall (AR) @[ IoU=0.50:0.95 | area= large | maxDets=100 ] = 0.114
[10/03 10:35:03 d2.evaluation.coco_evaluation]: Evaluation results for bbox:
| AP | AP50 | AP75 | APs | APm | AP1 |
-:-----:|:-----:|:-----:|:-----:|:-----:|:-----:|
| 0.364 | 1.239 | 0.018 | 0.002 | 1.601 | 0.195 |
[10/03 10:35:03 d2.evaluation.coco_evaluation]: Per-category bbox AP:
| category | AP | category | AP | category | AP |
-:-----:|:-----:|:-----:|:-----:|:-----:|:-----:|
| tower_lattice | 0.043 | tower_tucohy | 1.049 | tower_wooden | 0.000 |
OrderedDict([('bbox',
```

Yolo v4 Detection Result:





