

# Aero2Astro

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(25/08/2021)

I had trained Faster Rcnm model upto 36499 iterations. And also evaluated with both train and test dataset.

## Model -1 (PP-yolo v1)

ins = 1000

bs = 8

lr = 0.0002

## Training Data:

```
Accumulating evaluation results...
DONE (t=0.85s).
Average Precision (AP) @[ IoU=0.50:0.95 | area= all | maxDets=100 ] = 0.454
Average Precision (AP) @[ IoU=0.50 | area= all | maxDets=100 ] = 0.751
Average Precision (AP) @[ IoU=0.75 | area= all | maxDets=100 ] = 0.499
Average Precision (AP) @[ IoU=0.50:0.95 | area= small | maxDets=100 ] = 0.359
Average Precision (AP) @[ IoU=0.50:0.95 | area=medium | maxDets=100 ] = 0.588
Average Precision (AP) @[ IoU=0.50:0.95 | area= large | maxDets=100 ] = 0.579
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets= 1 ] = 0.173
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets= 10 ] = 0.479
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets=100 ] = 0.580
Average Recall (AR) @[ IoU=0.50:0.95 | area= small | maxDets=100 ] = 0.498
Average Recall (AR) @[ IoU=0.50:0.95 | area=medium | maxDets=100 ] = 0.699
Average Recall (AR) @[ IoU=0.50:0.95 | area= large | maxDets=100 ] = 0.710
[08/15 07:11:53] pldet.metrics.coco_utils INFO: Per-category of bbox AP:
+-----+-----+-----+-----+-----+
| category | AP | category | AP | category | AP |
+-----+-----+-----+-----+-----+
| bird | 0.451 | book | 0.315 | bottle | 0.601 |
| car | 0.173 | chair | 0.616 | person | 0.567 |
+-----+-----+-----+-----+-----+
[08/15 07:11:53] pldet.metrics.coco_utils INFO: per-category PR curve has output to bbox
[08/15 07:11:53] pldet.engine INFO: Total sample number: 1093, average FPS: 18.4354342262
```

## Test Data:

```
Accumulating evaluation results...
DONE (t=0.15s).
Average Precision (AP) @[ IoU=0.50:0.95 | area= all | maxDets=100 ] = 0.056
Average Precision (AP) @[ IoU=0.50 | area= all | maxDets=100 ] = 0.113
Average Precision (AP) @[ IoU=0.75 | area= all | maxDets=100 ] = 0.049
Average Precision (AP) @[ IoU=0.50:0.95 | area= small | maxDets=100 ] = 0.044
Average Precision (AP) @[ IoU=0.50:0.95 | area=medium | maxDets=100 ] = 0.066
Average Precision (AP) @[ IoU=0.50:0.95 | area= large | maxDets=100 ] = 0.130
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets= 1 ] = 0.051
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets= 10 ] = 0.134
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets=100 ] = 0.179
Average Recall (AR) @[ IoU=0.50:0.95 | area= small | maxDets=100 ] = 0.144
Average Recall (AR) @[ IoU=0.50:0.95 | area=medium | maxDets=100 ] = 0.231
Average Recall (AR) @[ IoU=0.50:0.95 | area= large | maxDets=100 ] = 0.201
[08/13 14:25:45] pldet.metrics.coco_utils INFO: Per-category of bbox AP:
+-----+-----+-----+-----+-----+
| category | AP | category | AP | category | AP |
+-----+-----+-----+-----+-----+
| bird | 0.146 | book | 0.007 | bottle | 0.175 |
| car | 0.007 | person | 0.000 | chair | 0.000 |
+-----+-----+-----+-----+-----+
[08/13 14:25:45] pldet.metrics.coco_utils INFO: per-category PR curve has output to bbox_pr_curve folder.
[08/13 14:25:45] pldet.engine INFO: Total sample number: 177, average FPS: 18.61171957113853
```

## Model – 2 :(PP-Yolo v2)

ins = 500

bs = 8

lr = 0.0002

### Training Data :

```
Accumulating evaluation results...
DONE (t=0.64s).
Average Precision (AP) @[ IoU=0.50:0.95 | area= all | maxDets=100 ] = 0.622
Average Precision (AP) @[ IoU=0.50 | area= all | maxDets=100 ] = 0.944
Average Precision (AP) @[ IoU=0.75 | area= all | maxDets=100 ] = 0.730
Average Precision (AP) @[ IoU=0.50:0.95 | area= small | maxDets=100 ] = 0.538
Average Precision (AP) @[ IoU=0.50:0.95 | area=medium | maxDets=100 ] = 0.724
Average Precision (AP) @[ IoU=0.50:0.95 | area= large | maxDets=100 ] = 0.738
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets= 1 ] = 0.260
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets= 10 ] = 0.670
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets=100 ] = 0.739
Average Recall (AR) @[ IoU=0.50:0.95 | area= small | maxDets=100 ] = 0.662
Average Recall (AR) @[ IoU=0.50:0.95 | area=medium | maxDets=100 ] = 0.820
Average Recall (AR) @[ IoU=0.50:0.95 | area= large | maxDets=100 ] = 0.848
[08/17 12:37:24] ppdet.metrics.coco_utils INFO: Per-category of bbox AP:
+-----+-----+-----+-----+-----+
| category | AP   | category | AP   | category | AP   |
+-----+-----+-----+-----+-----+
| aeroplane | 0.704 | car      | 0.584 | chair    | 0.644 |
| cow       | 0.676 | person   | 0.601 | traffic_light | 0.522 |
+-----+-----+-----+-----+-----+
[08/17 12:37:24] ppdet.metrics.coco_utils INFO: per-category PR curve has output to bbox_pr_curve
[08/17 12:37:24] ppdet.engine INFO: Total sample number: 689, average FPS: 11.880296439736922
```

### Test data :

```
Accumulating evaluation results...
DONE (t=0.20s).
Average Precision (AP) @[ IoU=0.50:0.95 | area= all | maxDets=100 ] = 0.191
Average Precision (AP) @[ IoU=0.50 | area= all | maxDets=100 ] = 0.362
Average Precision (AP) @[ IoU=0.75 | area= all | maxDets=100 ] = 0.167
Average Precision (AP) @[ IoU=0.50:0.95 | area= small | maxDets=100 ] = 0.117
Average Precision (AP) @[ IoU=0.50:0.95 | area=medium | maxDets=100 ] = 0.257
Average Precision (AP) @[ IoU=0.50:0.95 | area= large | maxDets=100 ] = 0.307
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets= 1 ] = 0.137
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets= 10 ] = 0.334
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets=100 ] = 0.409
Average Recall (AR) @[ IoU=0.50:0.95 | area= small | maxDets=100 ] = 0.259
Average Recall (AR) @[ IoU=0.50:0.95 | area=medium | maxDets=100 ] = 0.490
Average Recall (AR) @[ IoU=0.50:0.95 | area= large | maxDets=100 ] = 0.643
[08/17 12:34:19] ppdet.metrics.coco_utils INFO: Per-category of bbox AP:
+-----+-----+-----+-----+-----+
| category | AP   | category | AP   | category | AP   |
+-----+-----+-----+-----+-----+
| aeroplane | 0.343 | car      | 0.100 | chair    | 0.132 |
| cow       | 0.352 | person   | 0.055 | traffic_light | 0.164 |
+-----+-----+-----+-----+-----+
[08/17 12:34:19] ppdet.metrics.coco_utils INFO: per-category PR curve has output to bbox_pr_curve
[08/17 12:34:19] ppdet.engine INFO: Total sample number: 190, average FPS: 5.877382970685596
```



## Current Model:(Faster Rcnnc)

Backbone = Faster\_rcnn\_X\_101\_32x8d\_FPN\_3x

bs = 4

lr = 0.001

ins = 500

Previous Checkpoint : 32500 its

Threshold = 0.65

Test :

```
[08/23 13:24:19 d2.evaluation.fast_eval_api]: COCOeval opt.accumulate() finished in 0.02 seconds.
Average Precision (AP) @[ IoU=0.50:0.95 | area= all | maxDets=100 ] = 0.393
Average Precision (AP) @[ IoU=0.50 | area= all | maxDets=100 ] = 0.572
Average Precision (AP) @[ IoU=0.75 | area= all | maxDets=100 ] = 0.424
Average Precision (AP) @[ IoU=0.50:0.95 | area= small | maxDets=100 ] = 0.245
Average Precision (AP) @[ IoU=0.50:0.95 | area=medium | maxDets=100 ] = 0.512
Average Precision (AP) @[ IoU=0.50:0.95 | area= large | maxDets=100 ] = 0.596
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets= 1 ] = 0.223
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets= 10 ] = 0.554
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets=100 ] = 0.601
Average Recall (AR) @[ IoU=0.50:0.95 | area= small | maxDets=100 ] = 0.439
Average Recall (AR) @[ IoU=0.50:0.95 | area=medium | maxDets=100 ] = 0.706
Average Recall (AR) @[ IoU=0.50:0.95 | area= large | maxDets=100 ] = 0.848
[08/23 13:24:19 d2.evaluation.coco_evaluation]: Evaluation results for bbox:
| AP | AP50 | AP75 | APs | APm | APl |
|:---:|:---:|:---:|:---:|:---:|:---:|
| 39.259 | 57.161 | 42.414 | 24.473 | 51.185 | 59.607 |
[08/23 13:24:19 d2.evaluation.coco_evaluation]: Per-category bbox AP:
| category | AP | category | AP | category | AP |
|:---:|:---:|:---:|:---:|:---:|:---:|
| aeroplane | 66.681 | car | 26.725 | chair | 32.219 |
| cow | 57.374 | person | 23.005 | traffic_light | 29.550 |
OrderedDict([('bbox',
```

Train :

```
13:28:16 d2.evaluation.fast_eval_api]: Accumulating evaluation results...
13:28:16 d2.evaluation.fast_eval_api]: COCOeval opt.accumulate() finished in 0.04 seconds.
ge Precision (AP) @[ IoU=0.50:0.95 | area= all | maxDets=100 ] = 0.601
ge Precision (AP) @[ IoU=0.50 | area= all | maxDets=100 ] = 0.811
ge Precision (AP) @[ IoU=0.75 | area= all | maxDets=100 ] = 0.665
ge Precision (AP) @[ IoU=0.50:0.95 | area= small | maxDets=100 ] = 0.504
ge Precision (AP) @[ IoU=0.50:0.95 | area=medium | maxDets=100 ] = 0.699
ge Precision (AP) @[ IoU=0.50:0.95 | area= large | maxDets=100 ] = 0.780
ge Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets= 1 ] = 0.300
ge Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets= 10 ] = 0.690
ge Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets=100 ] = 0.733
ge Recall (AR) @[ IoU=0.50:0.95 | area= small | maxDets=100 ] = 0.641
ge Recall (AR) @[ IoU=0.50:0.95 | area=medium | maxDets=100 ] = 0.807
ge Recall (AR) @[ IoU=0.50:0.95 | area= large | maxDets=100 ] = 0.891
13:28:16 d2.evaluation.coco_evaluation]: Evaluation results for bbox:
| AP50 | AP75 | APs | APm | APl | |
|---|---|---|---|---|---|
| 12 | 81.069 | 66.455 | 50.441 | 69.893 | 78.028 |
13:28:16 d2.evaluation.coco_evaluation]: Per-category bbox AP:
| gory | AP | category | AP | category | AP |
|:---:|:---:|:---:|:---:|:---:|:---:|
| plane | 85.631 | car | 51.210 | chair | 62.558 |
| | 71.646 | person | 45.255 | traffic_light | 44.373 |
```

## Threshold : 0.85

### Test :

```
[08/23 13:33:02 d2.evaluation.fast_eval_api]: COCOeval opt.accumulate() finished in 0.02 seconds.
Average Precision (AP) @[ IoU=0.50:0.95 | area= all | maxDets=100 ] = 0.393
Average Precision (AP) @[ IoU=0.50 | area= all | maxDets=100 ] = 0.572
Average Precision (AP) @[ IoU=0.75 | area= all | maxDets=100 ] = 0.424
Average Precision (AP) @[ IoU=0.50:0.95 | area= small | maxDets=100 ] = 0.245
Average Precision (AP) @[ IoU=0.50:0.95 | area=medium | maxDets=100 ] = 0.512
Average Precision (AP) @[ IoU=0.50:0.95 | area= large | maxDets=100 ] = 0.596
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets= 1 ] = 0.223
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets= 10 ] = 0.554
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets=100 ] = 0.601
Average Recall (AR) @[ IoU=0.50:0.95 | area= small | maxDets=100 ] = 0.439
Average Recall (AR) @[ IoU=0.50:0.95 | area=medium | maxDets=100 ] = 0.706
Average Recall (AR) @[ IoU=0.50:0.95 | area= large | maxDets=100 ] = 0.848
[08/23 13:33:02 d2.evaluation.coco_evaluation]: Evaluation results for bbox:
| AP | AP50 | AP75 | APs | APm | APl |
|:-----:|:-----:|:-----:|:-----:|:-----:|:-----:|
| 39.259 | 57.161 | 42.414 | 24.473 | 51.185 | 59.607 |
[08/23 13:33:02 d2.evaluation.coco_evaluation]: Per-category bbox AP:
| category | AP | category | AP | category | AP |
|:-----:|:-----:|:-----:|:-----:|:-----:|:-----:|
| aeroplane | 66.681 | car | 26.725 | chair | 32.219 |
| cow | 57.374 | person | 23.005 | traffic_light | 29.550 |
OrderedDict([('bbox',
```

### Train :

```
[08/23 13:37:59 d2.evaluation.fast_eval_api]: COCOeval opt.accumulate() finished in 0.04 seconds.
Average Precision (AP) @[ IoU=0.50:0.95 | area= all | maxDets=100 ] = 0.601
Average Precision (AP) @[ IoU=0.50 | area= all | maxDets=100 ] = 0.811
Average Precision (AP) @[ IoU=0.75 | area= all | maxDets=100 ] = 0.665
Average Precision (AP) @[ IoU=0.50:0.95 | area= small | maxDets=100 ] = 0.504
Average Precision (AP) @[ IoU=0.50:0.95 | area=medium | maxDets=100 ] = 0.699
Average Precision (AP) @[ IoU=0.50:0.95 | area= large | maxDets=100 ] = 0.780
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets= 1 ] = 0.300
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets= 10 ] = 0.690
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets=100 ] = 0.733
Average Recall (AR) @[ IoU=0.50:0.95 | area= small | maxDets=100 ] = 0.641
Average Recall (AR) @[ IoU=0.50:0.95 | area=medium | maxDets=100 ] = 0.807
Average Recall (AR) @[ IoU=0.50:0.95 | area= large | maxDets=100 ] = 0.891
[08/23 13:37:59 d2.evaluation.coco_evaluation]: Evaluation results for bbox:
| AP | AP50 | AP75 | APs | APm | APl |
|:-----:|:-----:|:-----:|:-----:|:-----:|:-----:|
| 60.112 | 81.069 | 66.455 | 50.441 | 69.893 | 78.028 |
[08/23 13:37:59 d2.evaluation.coco_evaluation]: Per-category bbox AP:
| category | AP | category | AP | category | AP |
|:-----:|:-----:|:-----:|:-----:|:-----:|:-----:|
| aeroplane | 85.631 | car | 51.210 | chair | 62.558 |
| cow | 71.646 | person | 45.255 | traffic_light | 44.373 |
OrderedDict([('bbox',
```



**Current Checkpoints : 36500**

**Threshold : 0.65**

**Test :**

```
[08/25 15:11:05 d2.evaluation.fast_eval_api]: COCOeval_opt.accumulate() finished in 0.02 seconds.
Average Precision (AP) @[ IoU=0.50:0.95 | area= all | maxDets=100 ] = 0.392
Average Precision (AP) @[ IoU=0.50 | area= all | maxDets=100 ] = 0.569
Average Precision (AP) @[ IoU=0.75 | area= all | maxDets=100 ] = 0.426
Average Precision (AP) @[ IoU=0.50:0.95 | area= small | maxDets=100 ] = 0.246
Average Precision (AP) @[ IoU=0.50:0.95 | area=medium | maxDets=100 ] = 0.511
Average Precision (AP) @[ IoU=0.50:0.95 | area= large | maxDets=100 ] = 0.593
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets= 1 ] = 0.224
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets= 10 ] = 0.554
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets=100 ] = 0.600
Average Recall (AR) @[ IoU=0.50:0.95 | area= small | maxDets=100 ] = 0.438
Average Recall (AR) @[ IoU=0.50:0.95 | area=medium | maxDets=100 ] = 0.701
Average Recall (AR) @[ IoU=0.50:0.95 | area= large | maxDets=100 ] = 0.847
[08/25 15:11:05 d2.evaluation.coco_evaluation]: Evaluation results for bbox:
| AP | AP50 | AP75 | APs | APm | APl |
|:-----:|:-----:|:-----:|:-----:|:-----:|:-----:|
| 39.228 | 56.910 | 42.639 | 24.581 | 51.138 | 59.315 |
[08/25 15:11:05 d2.evaluation.coco_evaluation]: Per-category bbox AP:
| category | AP | category | AP | category | AP |
|:-----:|:-----:|:-----:|:-----:|:-----:|:-----:|
| aeroplane | 66.712 | car | 26.778 | chair | 32.140 |
| cow | 57.641 | person | 22.527 | traffic_light | 29.573 |
```

**Train :**

```
[08/25 15:15:10 d2.evaluation.fast_eval_api]: COCOeval_opt.accumulate() finished in 0.04 seconds.
Average Precision (AP) @[ IoU=0.50:0.95 | area= all | maxDets=100 ] = 0.604
Average Precision (AP) @[ IoU=0.50 | area= all | maxDets=100 ] = 0.814
Average Precision (AP) @[ IoU=0.75 | area= all | maxDets=100 ] = 0.667
Average Precision (AP) @[ IoU=0.50:0.95 | area= small | maxDets=100 ] = 0.506
Average Precision (AP) @[ IoU=0.50:0.95 | area=medium | maxDets=100 ] = 0.702
Average Precision (AP) @[ IoU=0.50:0.95 | area= large | maxDets=100 ] = 0.783
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets= 1 ] = 0.300
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets= 10 ] = 0.691
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets=100 ] = 0.734
Average Recall (AR) @[ IoU=0.50:0.95 | area= small | maxDets=100 ] = 0.640
Average Recall (AR) @[ IoU=0.50:0.95 | area=medium | maxDets=100 ] = 0.809
Average Recall (AR) @[ IoU=0.50:0.95 | area= large | maxDets=100 ] = 0.893
[08/25 15:15:10 d2.evaluation.coco_evaluation]: Evaluation results for bbox:
| AP | AP50 | AP75 | APs | APm | APl |
|:-----:|:-----:|:-----:|:-----:|:-----:|:-----:|
| 60.351 | 81.365 | 66.654 | 50.648 | 70.243 | 78.320 |
[08/25 15:15:10 d2.evaluation.coco_evaluation]: Per-category bbox AP:
| category | AP | category | AP | category | AP |
|:-----:|:-----:|:-----:|:-----:|:-----:|:-----:|
| aeroplane | 85.878 | car | 51.500 | chair | 62.730 |
| cow | 71.936 | person | 45.568 | traffic_light | 44.495 |
```

**Threshold : 0.85**

**Test :**

```
[08/25 15:16:40 d2.evaluation.fast_eval_api]: COCOeval opt.accumulate() finished in 0.02 seconds.
Average Precision (AP) @[ IoU=0.50:0.95 | area= all | maxDets=100 ] = 0.392
Average Precision (AP) @[ IoU=0.50 | area= all | maxDets=100 ] = 0.569
Average Precision (AP) @[ IoU=0.75 | area= all | maxDets=100 ] = 0.426
Average Precision (AP) @[ IoU=0.50:0.95 | area= small | maxDets=100 ] = 0.246
Average Precision (AP) @[ IoU=0.50:0.95 | area=medium | maxDets=100 ] = 0.511
Average Precision (AP) @[ IoU=0.50:0.95 | area= large | maxDets=100 ] = 0.593
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets= 1 ] = 0.224
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets= 10 ] = 0.554
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets=100 ] = 0.600
Average Recall (AR) @[ IoU=0.50:0.95 | area= small | maxDets=100 ] = 0.438
Average Recall (AR) @[ IoU=0.50:0.95 | area=medium | maxDets=100 ] = 0.701
Average Recall (AR) @[ IoU=0.50:0.95 | area= large | maxDets=100 ] = 0.847
[08/25 15:16:40 d2.evaluation.coco_evaluation]: Evaluation results for bbox:
| AP | AP50 | AP75 | APs | APm | APl |
|:-----:|:-----:|:-----:|:-----:|:-----:|:-----:|
| 39.228 | 56.910 | 42.639 | 24.581 | 51.138 | 59.315 |
[08/25 15:16:40 d2.evaluation.coco_evaluation]: Per-category bbox AP:
| category | AP | category | AP | category | AP |
|:-----:|:-----:|:-----:|:-----:|:-----:|:-----:|
| aeroplane | 66.712 | car | 26.778 | chair | 32.140 |
| cow | 57.641 | person | 22.527 | traffic_light | 29.573 |
```

**Train :**

```
[08/25 15:20:49 d2.evaluation.fast_eval_api]: COCOeval opt.accumulate() finished in 0.04 seconds.
Average Precision (AP) @[ IoU=0.50:0.95 | area= all | maxDets=100 ] = 0.604
Average Precision (AP) @[ IoU=0.50 | area= all | maxDets=100 ] = 0.814
Average Precision (AP) @[ IoU=0.75 | area= all | maxDets=100 ] = 0.667
Average Precision (AP) @[ IoU=0.50:0.95 | area= small | maxDets=100 ] = 0.506
Average Precision (AP) @[ IoU=0.50:0.95 | area=medium | maxDets=100 ] = 0.702
Average Precision (AP) @[ IoU=0.50:0.95 | area= large | maxDets=100 ] = 0.783
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets= 1 ] = 0.300
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets= 10 ] = 0.691
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets=100 ] = 0.734
Average Recall (AR) @[ IoU=0.50:0.95 | area= small | maxDets=100 ] = 0.640
Average Recall (AR) @[ IoU=0.50:0.95 | area=medium | maxDets=100 ] = 0.809
Average Recall (AR) @[ IoU=0.50:0.95 | area= large | maxDets=100 ] = 0.893
[08/25 15:20:49 d2.evaluation.coco_evaluation]: Evaluation results for bbox:
| AP | AP50 | AP75 | APs | APm | APl |
|:-----:|:-----:|:-----:|:-----:|:-----:|:-----:|
| 60.351 | 81.365 | 66.654 | 50.648 | 70.243 | 78.320 |
[08/25 15:20:49 d2.evaluation.coco_evaluation]: Per-category bbox AP:
| category | AP | category | AP | category | AP |
|:-----:|:-----:|:-----:|:-----:|:-----:|:-----:|
| aeroplane | 85.878 | car | 51.500 | chair | 62.730 |
| cow | 71.936 | person | 45.568 | traffic_light | 44.495 |
OrderedDict([('bbox',
```