

800 epochs, trained on images, tested on top light and ambient light

train: object data, test: top light

WARNING [05/19 22:54:19 d2.evaluation.coco_evaluation]: COCO Evaluator instantiated using config, this is deprecated behavior. Please pass in explicit arguments instead.

WARNING [05/19 22:54:19 d2.data.datasets.coco]:

Category ids in annotations are not in [1, #categories]! We'll apply a mapping for you.

[05/19 22:54:19 d2.data.datasets.coco]: Loaded 10 images in COCO format from /content/drive/My

Drive/occluded_data/test/topview_toplight/trainval.json

[05/19 22:54:19 d2.data.build]: Distribution of instances among all 10 categories:

category	#instances	category	#instances	category	#instances
febreeze	14	headphones	10	iron	14
pan	23	peanut	12	sandal	14
soup	11	soy	12	spoon	16
toothpaste	15				
total	141				

[05/19 22:54:19 d2.data.dataset_mapper]: [DatasetMapper] Augmentations used in inference: [ResizeShortestEdge(short_edge_length=(800, 800), max_size=1333, sample_style='choice')]

[05/19 22:54:19 d2.data.common]: Serializing 10 elements to byte tensors and concatenating them all ...

[05/19 22:54:19 d2.data.common]: Serialized dataset takes 0.06 MiB

[05/19 22:54:19 d2.evaluation.evaluator]: Start inference on 10 batches

[05/19 22:54:52 d2.evaluation.evaluator]: Total inference time:

0:00:13.536972 (2.707394 s / iter per device, on 1 devices)

[05/19 22:54:52 d2.evaluation.evaluator]: Total inference pure compute time: 0:00:01 (0.268720 s / iter per device, on 1 devices)

[05/19 22:54:52 d2.evaluation.coco_evaluation]: Preparing results for COCO format ...

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[05/19 22:54:52 d2.evaluation.coco_evaluation]: Saving results to
/content/drive/My Drive/occluded_data/eval/coco_instances_results.json
[05/19 22:54:53 d2.evaluation.coco_evaluation]: Evaluating predictions
with unofficial COCO API...
Loading and preparing results...
DONE (t=0.00s)
creating index...
index created!
[05/19 22:54:53 d2.evaluation.fast_eval_api]: Evaluate annotation type
*bbox*
[05/19 22:54:53 d2.evaluation.fast_eval_api]: COCOeval_opt.evaluate()
finished in 0.01 seconds.
[05/19 22:54:53 d2.evaluation.fast_eval_api]: Accumulating evaluation
results...
[05/19 22:54:53 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 ] =
0.019
Average Precision (AP) @[ IoU=0.50 | area= all | maxDets=100 ] =
0.030
Average Precision (AP) @[ IoU=0.75 | area= all | maxDets=100 ] =
0.017
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 ] =
0.000
Average Precision (AP) @[ IoU=0.50:0.95 | area= large | maxDets=100 ] =
0.020
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets= 1 ] =
0.017
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets= 10 ] =
0.045
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets=100 ] =
0.045
Average Recall (AR) @[ IoU=0.50:0.95 | area= small | maxDets=100 ] =
0.000
Average Recall (AR) @[ IoU=0.50:0.95 | area=medium | maxDets=100 ] =
0.000
Average Recall (AR) @[ IoU=0.50:0.95 | area= large | maxDets=100 ] =
0.047
[05/19 22:54:53 d2.evaluation.coco_evaluation]: Evaluation results for
bbox:
| AP | AP50 | AP75 | APs | APm | APl |
|:-----:|:-----:|:-----:|:-----:|:-----:|:-----:|
| 1.888 | 3.037 | 1.713 | 0.000 | 0.000 | 2.037 |
[05/19 22:54:53 d2.evaluation.coco_evaluation]: Per-category bbox AP:
| category | AP | category | AP | category | AP |

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|:-----|:-----|:-----|:-----|:-----|:-----|
| febreze   | 2.583 | headphones | 0.538 | iron       | 0.000 |
| pan       | 0.000 | peanut     | 0.025 | sandal     | 0.000 |
| soup      | 0.986 | soy        | 7.129 | spoon      | 4.851 |
| toothpaste | 2.772 |            |      |            |      |
Loading and preparing results...
DONE (t=0.03s)
creating index...
index created!
[05/19 22:54:53 d2.evaluation.fast_eval_api]: Evaluate annotation type
*segm*
[05/19 22:54:53 d2.evaluation.fast_eval_api]: COCOeval_opt.evaluate()
finished in 0.07 seconds.
[05/19 22:54:53 d2.evaluation.fast_eval_api]: Accumulating evaluation
results...
[05/19 22:54:53 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 ] =
0.019
Average Precision  (AP) @[ IoU=0.50      | area=   all | maxDets=100 ] =
0.030
Average Precision  (AP) @[ IoU=0.75      | area=   all | maxDets=100 ] =
0.018
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 ] =
0.000
Average Precision  (AP) @[ IoU=0.50:0.95 | area= large | maxDets=100 ] =
0.020
Average Recall     (AR) @[ IoU=0.50:0.95 | area=   all | maxDets=  1 ] =
0.017
Average Recall     (AR) @[ IoU=0.50:0.95 | area=   all | maxDets= 10 ] =
0.036
Average Recall     (AR) @[ IoU=0.50:0.95 | area=   all | maxDets=100 ] =
0.036
Average Recall     (AR) @[ IoU=0.50:0.95 | area= small | maxDets=100 ] =
0.000
Average Recall     (AR) @[ IoU=0.50:0.95 | area=medium | maxDets=100 ] =
0.000
Average Recall     (AR) @[ IoU=0.50:0.95 | area= large | maxDets=100 ] =
0.038
[05/19 22:54:53 d2.evaluation.coco_evaluation]: Evaluation results for
segm:
| AP   | AP50 | AP75 | APs  | APm  | APl  |
|:-----|:-----|:-----|:-----|:-----|:-----|
| 1.856 | 2.954 | 1.825 | 0.000 | 0.000 | 1.985 |
[05/19 22:54:53 d2.evaluation.coco_evaluation]: Per-category segm AP:

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category	AP	category	AP	category	AP
febreeze	2.483	headphones	0.029	iron	0.000
pan	0.000	peanut	0.025	sandal	0.000
soup	1.269	soy	7.129	spoon	6.238
toothpaste	1.386				

```

OrderedDict([('bbox',
  {'AP': 1.8883628122315195,
   'AP-febreeze': 2.582508250825082,
   'AP-headphones': 0.5378645972705379,
   'AP-iron': 0.0,
   'AP-pan': 0.0,
   'AP-peanut': 0.025101101659461722,
   'AP-sandal': 0.0,
   'AP-soup': 0.9856789250353609,
   'AP-soy': 7.128712871287128,
   'AP-spoon': 4.851485148514851,
   'AP-toothpaste': 2.7722772277227725,
   'AP50': 3.03659740532213,
   'AP75': 1.7126036928017125,
   'AP1': 2.0368776637166683,
   'APm': 0.0,
   'APs': 0.0}),
 ('segm',
  {'AP': 1.8559074431424873,
   'AP-febreeze': 2.483498349834983,
   'AP-headphones': 0.02943537597002944,
   'AP-iron': 0.0,
   'AP-pan': 0.0,
   'AP-peanut': 0.025101101659461722,
   'AP-sandal': 0.0,
   'AP-soup': 1.2685643564356437,
   'AP-soy': 7.128712871287128,
   'AP-spoon': 6.237623762376238,
   'AP-toothpaste': 1.3861386138613863,
   'AP50': 2.9536431639520475,
   'AP75': 1.8246110325318248,
   'AP1': 1.9846203144296157,
   'APm': 0.0,
   'APs': 0.0})])

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train: object data, test: ambient light

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WARNING [05/19 22:58:11 d2.evaluation.coco_evaluation]: COCO Evaluator
instantiated using config, this is deprecated behavior. Please pass in
explicit arguments instead.
WARNING [05/19 22:58:11 d2.data.datasets.coco]:
Category ids in annotations are not in [1, #categories]! We'll apply a
mapping for you.

[05/19 22:58:11 d2.data.datasets.coco]: Loaded 10 images in COCO format
from /content/drive/My
Drive/occluded_data/test/topview_toplight/trainval.json
[05/19 22:58:11 d2.data.dataset_mapper]: [DatasetMapper] Augmentations
used in inference: [ResizeShortestEdge(short_edge_length=(800, 800),
max_size=1333, sample_style='choice')]
[05/19 22:58:11 d2.data.common]: Serializing 10 elements to byte tensors
and concatenating them all ...
[05/19 22:58:11 d2.data.common]: Serialized dataset takes 0.06 MiB
[05/19 22:58:11 d2.evaluation.evaluator]: Start inference on 10 batches
[05/19 22:58:40 d2.evaluation.evaluator]: Total inference time:
0:00:11.453208 (2.290642 s / iter per device, on 1 devices)
[05/19 22:58:40 d2.evaluation.evaluator]: Total inference pure compute
time: 0:00:01 (0.235152 s / iter per device, on 1 devices)
[05/19 22:58:40 d2.evaluation.coco_evaluation]: Preparing results for COCO
format ...
[05/19 22:58:40 d2.evaluation.coco_evaluation]: Saving results to
/content/drive/My Drive/occluded_data/eval/coco_instances_results.json
[05/19 22:58:40 d2.evaluation.coco_evaluation]: Evaluating predictions
with unofficial COCO API...
Loading and preparing results...
DONE (t=0.00s)
creating index...
index created!
[05/19 22:58:40 d2.evaluation.fast_eval_api]: Evaluate annotation type
*bbox*
[05/19 22:58:40 d2.evaluation.fast_eval_api]: COCOeval_opt.evaluate()
finished in 0.02 seconds.
[05/19 22:58:40 d2.evaluation.fast_eval_api]: Accumulating evaluation
results...
[05/19 22:58:40 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 ] =
0.000
Average Precision  (AP) @[ IoU=0.50      | area=  all | maxDets=100 ] =
0.000
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
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Average Precision (AP) @[ IoU=0.50:0.95 | area=medium | maxDets=100 ] =
0.000
Average Precision (AP) @[ IoU=0.50:0.95 | area= large | maxDets=100 ] =
0.000
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets= 1 ] =
0.000
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets= 10 ] =
0.000
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets=100 ] =
0.000
Average Recall (AR) @[ IoU=0.50:0.95 | area= small | maxDets=100 ] =
0.000
Average Recall (AR) @[ IoU=0.50:0.95 | area=medium | maxDets=100 ] =
0.000
Average Recall (AR) @[ IoU=0.50:0.95 | area= large | maxDets=100 ] =
0.000
[05/19 22:58:40 d2.evaluation.coco_evaluation]: Evaluation results for
bbox:
| AP | AP50 | AP75 | APs | APm | APl |
|:-----:|:-----:|:-----:|:-----:|:-----:|:-----:|
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
[05/19 22:58:40 d2.evaluation.coco_evaluation]: Per-category bbox AP:
| category | AP | category | AP | category | AP |
|:-----:|:-----:|:-----:|:-----:|:-----:|:-----:|
| febreze | 0.000 | headphones | 0.000 | iron | 0.000 |
| pan | 0.000 | peanut | 0.000 | sandal | 0.000 |
| soup | 0.000 | soy | 0.000 | spoon | 0.000 |
| toothpaste | 0.000 | | | | |
Loading and preparing results...
DONE (t=0.03s)
creating index...
index created!
[05/19 22:58:40 d2.evaluation.fast_eval_api]: Evaluate annotation type
*segm*
[05/19 22:58:40 d2.evaluation.fast_eval_api]: COCOeval_opt.evaluate()
finished in 0.07 seconds.
[05/19 22:58:40 d2.evaluation.fast_eval_api]: Accumulating evaluation
results...
[05/19 22:58:40 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 ] =
0.000
Average Precision (AP) @[ IoU=0.50 | area= all | maxDets=100 ] =
0.000
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 ] =
0.000
Average Precision (AP) @[ IoU=0.50:0.95 | area= large | maxDets=100 ] =
0.000
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets= 1 ] =
0.000
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets= 10 ] =
0.000
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets=100 ] =
0.000
Average Recall (AR) @[ IoU=0.50:0.95 | area= small | maxDets=100 ] =
0.000
Average Recall (AR) @[ IoU=0.50:0.95 | area=medium | maxDets=100 ] =
0.000
Average Recall (AR) @[ IoU=0.50:0.95 | area= large | maxDets=100 ] =
0.000

```

[05/19 22:58:40 d2.evaluation.coco_evaluation]: Evaluation results for segm:

AP	AP50	AP75	APs	APm	APl
0.000	0.000	0.000	0.000	0.000	0.000

[05/19 22:58:40 d2.evaluation.coco_evaluation]: Per-category segm AP:

category	AP	category	AP	category	AP
febreeze	0.000	headphones	0.000	iron	0.000
pan	0.000	peanut	0.000	sandal	0.000
soup	0.000	soy	0.000	spoon	0.000
toothpaste	0.000				

```

OrderedDict([('bbox',
              {'AP': 0.0,
               'AP-febreeze': 0.0,
               'AP-headphones': 0.0,
               'AP-iron': 0.0,
               'AP-pan': 0.0,
               'AP-peanut': 0.0,
               'AP-sandal': 0.0,
               'AP-soup': 0.0,
               'AP-soy': 0.0,
               'AP-spoon': 0.0,
               'AP-toothpaste': 0.0,
               'AP50': 0.0,
               'AP75': 0.0,
               'APl': 0.0,
               'APm': 0.0,
               'APs': 0.0})),

```

```

('segm',
 {'AP': 0.0,
  'AP-febreeze': 0.0,
  'AP-headphones': 0.0,
  'AP-iron': 0.0,
  'AP-pan': 0.0,
  'AP-peanut': 0.0,
  'AP-sandal': 0.0,
  'AP-soup': 0.0,
  'AP-soy': 0.0,
  'AP-spoon': 0.0,
  'AP-toothpaste': 0.0,
  'AP50': 0.0,
  'AP75': 0.0,
  'AP1': 0.0,
  'APm': 0.0,
  'APs': 0.0}))WARNING [05/19 22:58:11
d2.evaluation.coco_evaluation]: COCO Evaluator instantiated using config,
this is deprecated behavior. Please pass in explicit arguments instead.
WARNING [05/19 22:58:11 d2.data.datasets.coco]:
Category ids in annotations are not in [1, #categories]! We'll apply a
mapping for you.

[05/19 22:58:11 d2.data.datasets.coco]: Loaded 10 images in COCO format
from /content/drive/My
Drive/occluded_data/test/topview_toplight/trainval.json
[05/19 22:58:11 d2.data.dataset_mapper]: [DatasetMapper] Augmentations
used in inference: [ResizeShortestEdge(short_edge_length=(800, 800),
max_size=1333, sample_style='choice')]
[05/19 22:58:11 d2.data.common]: Serializing 10 elements to byte tensors
and concatenating them all ...
[05/19 22:58:11 d2.data.common]: Serialized dataset takes 0.06 MiB
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[05/19 22:58:40 d2.evaluation.evaluator]: Total inference time:
0:00:11.453208 (2.290642 s / iter per device, on 1 devices)
[05/19 22:58:40 d2.evaluation.evaluator]: Total inference pure compute
time: 0:00:01 (0.235152 s / iter per device, on 1 devices)
[05/19 22:58:40 d2.evaluation.coco_evaluation]: Preparing results for COCO
format ...
[05/19 22:58:40 d2.evaluation.coco_evaluation]: Saving results to
/content/drive/My Drive/occluded_data/eval/coco_instances_results.json
[05/19 22:58:40 d2.evaluation.coco_evaluation]: Evaluating predictions
with unofficial COCO API...
Loading and preparing results...
DONE (t=0.00s)
creating index...
index created!

```



```

[05/19 22:58:40 d2.evaluation.fast_eval_api]: Evaluate annotation type
*bbox*
[05/19 22:58:40 d2.evaluation.fast_eval_api]: COCOeval_opt.evaluate()
finished in 0.02 seconds.
[05/19 22:58:40 d2.evaluation.fast_eval_api]: Accumulating evaluation
results...
[05/19 22:58:40 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 ] =
0.000
Average Precision (AP) @[ IoU=0.50 | area= all | maxDets=100 ] =
0.000
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 ] =
0.000
Average Precision (AP) @[ IoU=0.50:0.95 | area= large | maxDets=100 ] =
0.000
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets= 1 ] =
0.000
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets= 10 ] =
0.000
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets=100 ] =
0.000
Average Recall (AR) @[ IoU=0.50:0.95 | area= small | maxDets=100 ] =
0.000
Average Recall (AR) @[ IoU=0.50:0.95 | area=medium | maxDets=100 ] =
0.000
Average Recall (AR) @[ IoU=0.50:0.95 | area= large | maxDets=100 ] =
0.000
[05/19 22:58:40 d2.evaluation.coco_evaluation]: Evaluation results for
bbox:
| AP | AP50 | AP75 | APs | APm | APl |
|:-----:|:-----:|:-----:|:-----:|:-----:|:-----:|
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
[05/19 22:58:40 d2.evaluation.coco_evaluation]: Per-category bbox AP:
| category | AP | category | AP | category | AP |
|:-----:|:-----:|:-----:|:-----:|:-----:|:-----:|
| febreze | 0.000 | headphones | 0.000 | iron | 0.000 |
| pan | 0.000 | peanut | 0.000 | sandal | 0.000 |
| soup | 0.000 | soy | 0.000 | spoon | 0.000 |
| toothpaste | 0.000 | | | | |
Loading and preparing results...
DONE (t=0.03s)
creating index...

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```

index created!
[05/19 22:58:40 d2.evaluation.fast_eval_api]: Evaluate annotation type
*segm*
[05/19 22:58:40 d2.evaluation.fast_eval_api]: COCOeval_opt.evaluate()
finished in 0.07 seconds.
[05/19 22:58:40 d2.evaluation.fast_eval_api]: Accumulating evaluation
results...
[05/19 22:58:40 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 ] =
0.000
Average Precision (AP) @[ IoU=0.50 | area= all | maxDets=100 ] =
0.000
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 ] =
0.000
Average Precision (AP) @[ IoU=0.50:0.95 | area= large | maxDets=100 ] =
0.000
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets= 1 ] =
0.000
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets= 10 ] =
0.000
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets=100 ] =
0.000
Average Recall (AR) @[ IoU=0.50:0.95 | area= small | maxDets=100 ] =
0.000
Average Recall (AR) @[ IoU=0.50:0.95 | area=medium | maxDets=100 ] =
0.000
Average Recall (AR) @[ IoU=0.50:0.95 | area= large | maxDets=100 ] =
0.000
[05/19 22:58:40 d2.evaluation.coco_evaluation]: Evaluation results for
segm:
| AP | AP50 | AP75 | APs | APm | APl |
|:-----:|:-----:|:-----:|:-----:|:-----:|:-----:|
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
[05/19 22:58:40 d2.evaluation.coco_evaluation]: Per-category segm AP:
| category | AP | category | AP | category | AP |
|:-----:|:-----:|:-----:|:-----:|:-----:|:-----:|
| febreze | 0.000 | headphones | 0.000 | iron | 0.000 |
| pan | 0.000 | peanut | 0.000 | sandal | 0.000 |
| soup | 0.000 | soy | 0.000 | spoon | 0.000 |
| toothpaste | 0.000 | | | | |
OrderedDict([('bbox',
              {'AP': 0.0,

```

```

    'AP-febreeze': 0.0,
    'AP-headphones': 0.0,
    'AP-iron': 0.0,
    'AP-pan': 0.0,
    'AP-peanut': 0.0,
    'AP-sandal': 0.0,
    'AP-soup': 0.0,
    'AP-soy': 0.0,
    'AP-spoon': 0.0,
    'AP-toothpaste': 0.0,
    'AP50': 0.0,
    'AP75': 0.0,
    'AP1': 0.0,
    'APm': 0.0,
    'APs': 0.0)),
('segm',
 {'AP': 0.0,
  'AP-febreeze': 0.0,
  'AP-headphones': 0.0,
  'AP-iron': 0.0,
  'AP-pan': 0.0,
  'AP-peanut': 0.0,
  'AP-sandal': 0.0,
  'AP-soup': 0.0,
  'AP-soy': 0.0,
  'AP-spoon': 0.0,
  'AP-toothpaste': 0.0,
  'AP50': 0.0,
  'AP75': 0.0,
  'AP1': 0.0,
  'APm': 0.0,
  'APs': 0.0}}))

```

train: object data and ambient light, test: top light

WARNING [05/19 23:36:57 d2.evaluation.coco_evaluation]: COCO Evaluator instantiated using config, this is deprecated behavior. Please pass in explicit arguments instead.

WARNING [05/19 23:36:57 d2.data.datasets.coco]:

Category ids in annotations are not in [1, #categories]! We'll apply a mapping for you.

[05/19 23:36:57 d2.data.datasets.coco]: Loaded 10 images in COCO format from /content/drive/My Drive/occluded_data/test/topview_toplight/trainval.json

[05/19 23:36:57 d2.data.build]: Distribution of instances among all 10 categories:

category	#instances	category	#instances	category	#instances
feebreeze	14	headphones	10	iron	14
pan	23	peanut	12	sandal	14
soup	11	soy	12	spoon	16
toothpaste	15				
total	141				

[05/19 23:36:57 d2.data.dataset_mapper]: [DatasetMapper] Augmentations used in inference: [ResizeShortestEdge(short_edge_length=(800, 800), max_size=1333, sample_style='choice')]

[05/19 23:36:57 d2.data.common]: Serializing 10 elements to byte tensors and concatenating them all ...

[05/19 23:36:57 d2.data.common]: Serialized dataset takes 0.06 MiB

[05/19 23:36:57 d2.evaluation.evaluator]: Start inference on 10 batches

[05/19 23:38:40 d2.evaluation.evaluator]: Total inference time:

0:00:49.019990 (9.803998 s / iter per device, on 1 devices)

[05/19 23:38:40 d2.evaluation.evaluator]: Total inference pure compute time: 0:00:02 (0.542388 s / iter per device, on 1 devices)

[05/19 23:38:40 d2.evaluation.coco_evaluation]: Preparing results for COCO format ...

[05/19 23:38:40 d2.evaluation.coco_evaluation]: Saving results to /content/drive/My Drive/occluded_data/eval/coco_instances_results.json

[05/19 23:38:40 d2.evaluation.coco_evaluation]: Evaluating predictions with unofficial COCO API...

Loading and preparing results...

DONE (t=0.00s)

creating index...

index created!

[05/19 23:38:40 d2.evaluation.fast_eval_api]: Evaluate annotation type *bbox*

[05/19 23:38:40 d2.evaluation.fast_eval_api]: COCOeval_opt.evaluate() finished in 0.03 seconds.

[05/19 23:38:40 d2.evaluation.fast_eval_api]: Accumulating evaluation results...

[05/19 23:38:40 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] = 0.303

```

Average Precision (AP) @[ IoU=0.50      | area=   all | maxDets=100 ] =
0.608
Average Precision (AP) @[ IoU=0.75      | area=   all | maxDets=100 ] =
0.241
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 ] =
0.124
Average Precision (AP) @[ IoU=0.50:0.95 | area= large | maxDets=100 ] =
0.325
Average Recall    (AR) @[ IoU=0.50:0.95 | area=   all | maxDets=  1 ] =
0.297
Average Recall    (AR) @[ IoU=0.50:0.95 | area=   all | maxDets= 10 ] =
0.473
Average Recall    (AR) @[ IoU=0.50:0.95 | area=   all | maxDets=100 ] =
0.479
Average Recall    (AR) @[ IoU=0.50:0.95 | area= small | maxDets=100 ] =
0.000
Average Recall    (AR) @[ IoU=0.50:0.95 | area=medium | maxDets=100 ] =
0.133
Average Recall    (AR) @[ IoU=0.50:0.95 | area= large | maxDets=100 ] =
0.506

```

[05/19 23:38:40 d2.evaluation.coco_evaluation]: Evaluation results for
bbox:

AP	AP50	AP75	APs	APm	APl
30.302	60.847	24.120	0.000	12.416	32.450

[05/19 23:38:40 d2.evaluation.coco_evaluation]: Per-category bbox AP:

category	AP	category	AP	category	AP
febreeze	40.626	headphones	29.181	iron	23.367
pan	17.522	peanut	36.634	sandal	30.352
soup	25.135	soy	32.517	spoon	35.287
toothpaste	32.400				

Loading and preparing results...

DONE (t=0.04s)

creating index...

index created!

[05/19 23:38:41 d2.evaluation.fast_eval_api]: Evaluate annotation type
segm

[05/19 23:38:41 d2.evaluation.fast_eval_api]: COCOeval_opt.evaluate()
finished in 0.08 seconds.

[05/19 23:38:41 d2.evaluation.fast_eval_api]: Accumulating evaluation
results...

[05/19 23:38:41 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 ] =
0.353
Average Precision (AP) @[ IoU=0.50 | area= all | maxDets=100 ] =
0.599
Average Precision (AP) @[ IoU=0.75 | area= all | maxDets=100 ] =
0.349
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 ] =
0.109
Average Precision (AP) @[ IoU=0.50:0.95 | area= large | maxDets=100 ] =
0.377
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets= 1 ] =
0.336
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets= 10 ] =
0.542
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets=100 ] =
0.548
Average Recall (AR) @[ IoU=0.50:0.95 | area= small | maxDets=100 ] =
0.000
Average Recall (AR) @[ IoU=0.50:0.95 | area=medium | maxDets=100 ] =
0.140
Average Recall (AR) @[ IoU=0.50:0.95 | area= large | maxDets=100 ] =
0.579

```

[05/19 23:38:41 d2.evaluation.coco_evaluation]: Evaluation results for segm:

AP	AP50	AP75	APs	APm	APl
35.339	59.883	34.873	0.000	10.891	37.728

[05/19 23:38:41 d2.evaluation.coco_evaluation]: Per-category segm AP:

category	AP	category	AP	category	AP
febreeze	56.121	headphones	13.555	iron	26.642
pan	14.054	peanut	53.318	sandal	37.836
soup	41.399	soy	38.105	spoon	33.939
toothpaste	38.421				

```

OrderedDict([('bbox',
              {'AP': 30.302175880878806,
               'AP-febreeze': 40.626118494202366,
               'AP-headphones': 29.1810740935285,
               'AP-iron': 23.367411741174116,
               'AP-pan': 17.521688416417597,
               'AP-peanut': 36.63354906919263,
               'AP-sandal': 30.35225367219831,
               'AP-soup': 25.13515637278013,
               'AP-soy': 32.51715647755252,
               'AP-spoon': 35.28695614659505,

```

```
'AP-toothpaste': 32.400394325146806,  
'AP50': 60.84687404353152,  
'AP75': 24.119646355876643,  
'AP1': 32.45013630490885,  
'APm': 12.415841584158416,  
'APs': 0.0)),  
( 'segm',  
{ 'AP': 35.338951786753995,  
  'AP-febreeze': 56.120714786410765,  
  'AP-headphones': 13.555484119840555,  
  'AP-iron': 26.6418273493848,  
  'AP-pan': 14.05421161934971,  
  'AP-peanut': 53.31757673836882,  
  'AP-sandal': 37.83564891993665,  
  'AP-soup': 41.399282785421406,  
  'AP-soy': 38.105085320562125,  
  'AP-spoon': 33.93898687377215,  
  'AP-toothpaste': 38.420699354492996,  
  'AP50': 59.88316569255241,  
  'AP75': 34.87274767240633,  
  'AP1': 37.7277371250182,  
  'APm': 10.891089108910892,  
  'APs': 0.0}}))
```