

1st DATA SUBSET

2000 warmup 5000 iterations

DONE (t=1.45s).

Average Precision (AP) @[IoU=0.50:0.95 | area= all | maxDets=100] = 0.547

Average Precision (AP) @[IoU=0.50 | area= all | maxDets=100] = 0.676

Average Precision (AP) @[IoU=0.75 | area= all | maxDets=100] = 0.610

Average Precision (AP) @[IoU=0.50:0.95 | area= small | maxDets=100] = 0.101

Average Precision (AP) @[IoU=0.50:0.95 | area=medium | maxDets=100] = 0.443

Average Precision (AP) @[IoU=0.50:0.95 | area= large | maxDets=100] = 0.512

Average Recall (AR) @[IoU=0.50:0.95 | area= all | maxDets= 1] = 0.597

Average Recall (AR) @[IoU=0.50:0.95 | area= all | maxDets= 10] = 0.678

Average Recall (AR) @[IoU=0.50:0.95 | area= all | maxDets=100] = 0.678

Average Recall (AR) @[IoU=0.50:0.95 | area= small | maxDets=100] = 0.221

Average Recall (AR) @[IoU=0.50:0.95 | area=medium | maxDets=100] = 0.609

Average Recall (AR) @[IoU=0.50:0.95 | area= large | maxDets=100] = 0.643

[12/24 10:17:44 d2.evaluation.coco_evaluation]: Evaluation results for bbox:

AP	AP50	AP75	APs	APm	APl
----	------	------	-----	-----	-----

0.547	0.676	0.610	0.101	0.443	0.512
-------	-------	-------	-------	-------	-------

0.597	0.678	0.678	0.221	0.609	0.643
-------	-------	-------	-------	-------	-------

[12/24 10:17:44 d2.evaluation.coco_evaluation]: Per-category bbox AP:

category	AP	category	AP	category
----------	----	----------	----	----------

Stuff	nan	adelholzener_alpenquelle_classic_075	53.532	
adelholzener_alpenquelle_naturell_075	33.200			

adelholzener_classic_bio_apfelschorle_02	66.615	adelholzener_classic_naturell_02	30.888	
adelholzener_gourmet_mineralwasser_02	70.131			

adelholzener_classic_bio_apfelschorle_02	66.615	adelholzener_classic_naturell_02	30.888	
adelholzener_gourmet_mineralwasser_02	70.131			

adelholzener_classic_bio_apfelschorle_02	66.615	adelholzener_classic_naturell_02	30.888	
adelholzener_gourmet_mineralwasser_02	70.131			

apple_braeburn_bundle	62.252	apple_golden_delicious	58.252	
apple_granny_smith	46.231			

apple_red_boskoop	79.404	augustiner_lagerbraeu_hell_05	15.419	
augustiner_weissbier_05	47.211			

avocado	60.986	banana_bundle	55.168	banana_single
43.094				
cafe_wunderbar_espresso	90.148	caona_cocoa	83.710	carrot
64.530				
clementine	66.252	clementine_single	45.218	coca_cola_05
32.899				
coca_cola_light_05	32.872	cocoba_cocoa	62.612	corn_salad
55.100				
corny_nussvoll	67.679	corny_nussvoll_single	55.690	
corny_schoko_banane	37.288			
corny_schoko_banane_single	46.310	cucumber	60.785	
douwe_egberts_professional_ground_coffee	71.592			
dr_oetker_vitalis_knuspermuesli_klassisch	64.476	ethiquable_gruener_tee_ceylon	25.120	
franken_tafelreiniger	56.604			
gepa_bio_caffe_crema	76.886	gepa_bio_und_fair_fencheltee	31.255	
gepa_bio_und_fair_kamillentee	18.198			
gepa_bio_und_fair_kraeuterteemischung	18.225	gepa_bio_und_fair_pfefferminztee		
56.374	gepa_bio_und_fair_rooibostee	40.901		
gepa_italienischer_bio_espresso	66.505	grapes_green_sugraone_seedless	57.184	
grapes_sweet_celebration_seedless	59.450			
kilimanjaro_tea_earl_grey	35.428	kiwi	53.891	
koelln_muesli_fruechte	58.727			
koelln_muesli_schoko	68.112	lettuce	81.922	orange_single
48.258				
oranges	87.731	pasta_reggia_elicoidali	74.980	pasta_reggia_fusilli
59.164				
pasta_reggia_spaghetti	36.875	pear	59.767	
pelikan_tintenpatrone_canon	38.040			
rocket	66.756	roma_vine_tomatoes	68.619	salad_iceberg
78.516				
suntory_gokuri_lemonade	55.057	tegernseer_hell_03	38.686	
vine_tomatoes	46.399			
zucchini	59.651			

OrderedDict([('bbox',

{'AP': 54.71373911715364,

'AP-Stuff': nan,

'AP-adelholzener_alpenquelle_classic_075': 53.531752099768134,

'AP-adelholzener_alpenquelle_naturell_075': 33.199536852227496,
'AP-adelholzener_classic_bio_apfelschorle_02': 66.61515844647965,
'AP-adelholzener_classic_naturell_02': 30.887769367343342,
'AP-adelholzener_gourmet_mineralwasser_02': 70.1313776172598,
'AP-apple_braeburn_bundle': 62.25156690366831,
'AP-apple_golden_delicious': 58.25247654944372,
'AP-apple_granny_smith': 46.23069808687884,
'AP-apple_red_boskoop': 79.40396028884842,
'AP-augustiner_lagerbraeu_hell_05': 15.419032257520737,
'AP-augustiner_weissbier_05': 47.211435350949216,
'AP-avocado': 60.985649346015556,
'AP-banana_bundle': 55.16805507140391,
'AP-banana_single': 43.0944119156412,
'AP-cafe_wunderbar_espresso': 90.14775125801879,
'AP-caona_cocoa': 83.7099466374562,
'AP-carrot': 64.53003416584471,
'AP-clementine': 66.25218745025695,
'AP-clementine_single': 45.21830670568129,
'AP-coca_cola_05': 32.89895448899879,
'AP-coca_cola_light_05': 32.87230138000944,
'AP-cocoba_cocoa': 62.6124087329357,
'AP-corn_salad': 55.10004446149732,
'AP-corny_nussvoll': 67.67942863158832,
'AP-corny_nussvoll_single': 55.68955241494423,
'AP-corny_schoko_banane': 37.28832161748871,
'AP-corny_schoko_banane_single': 46.30958253105062,
'AP-cucumber': 60.784605275746074,
'AP-douwe_egberts_professional_ground_coffee': 71.5916905498095,
'AP-dr_oetker_vitalis_knuspermuesli_klassisch': 64.47574120686326,
'AP-ethiquable_gruener_tee_ceylon': 25.120134659031653,
'AP-franken_tafelreiniger': 56.60359416046145,

'AP-gepa_bio_caffe_crema': 76.88566416258568,
'AP-gepa_bio_und_fair_fencheltee': 31.25546214070784,
'AP-gepa_bio_und_fair_kamillentee': 18.198478530405183,
'AP-gepa_bio_und_fair_kraeuterteemischung': 18.22454991333766,
'AP-gepa_bio_und_fair_pfefferminztee': 56.37353296122514,
'AP-gepa_bio_und_fair_rooibostee': 40.9008424170439,
'AP-gepa_italienischer_bio_espresso': 66.50536749792963,
'AP-grapes_green_sugraone_seedless': 57.18352723873912,
'AP-grapes_sweet_celebration_seedless': 59.44984349838046,
'AP-kilimanjaro_tea_earl_grey': 35.42801433809095,
'AP-kiwi': 53.89130520555935,
'AP-koelln_muesli_fruechte': 58.72719053125053,
'AP-koelln_muesli_schoko': 68.11193965790392,
'AP-lettuce': 81.9220529728408,
'AP-orange_single': 48.257597926892366,
'AP-oranges': 87.73098587241199,
'AP-pasta_reggia_elicoidali': 74.9803844180634,
'AP-pasta_reggia_fusilli': 59.16355557962307,
'AP-pasta_reggia_spaghetti': 36.87529418130133,
'AP-pear': 59.76740003104546,
'AP-pelikan_tintenpatrone_canon': 38.039639074813024,
'AP-rocket': 66.75599021992255,
'AP-roma_vine_tomatoes': 68.61891966211294,
'AP-salad_iceberg': 78.51571117289032,
'AP-suntory_gokuri_lemonade': 55.05703225684356,
'AP-tegernseer_hell_03': 38.68588878691171,
'AP-vine_tomatoes': 46.39944726500316,
'AP-zucchini': 59.651263034251926,
'AP50': 67.557836890111,
'AP75': 61.02341106016578,
'API': 51.165977809718896,

```
'APm': 44.27733927223068,  
'APs': 10.093353011771764}}))
```

2nd DATA SUBSET

1000 warmup 1500 ITERATIONS

1500 iterations

WARNING [12/09 06:15:44 d2.data.datasets.coco]:

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

[12/09 06:15:44 d2.data.datasets.coco]: Loaded 1252 images in COCO format from
/content/drive/My Drive/iotiot/test/_annotations.coco.json

[12/09 06:15:44 d2.data.build]: Distribution of instances among all 61 categories:

category	#instances	category	#instances	category	#instances	
:-----:	:-----:	:-----:	:-----:	:-----:	:-----:	
Stuff	0	adelholzene..	98	adelholzene..	82	
adelholzene..	104	adelholzene..	100	adelholzene..	108	

apple_braeb.. 85	apple_golde.. 86	apple_grann.. 88	
apple_red_b.. 102	augustiner_.. 102	augustiner_.. 137	
avocado 100	banana_bundle 78	banana_single 91	
cafe_wunder.. 110	caona_cocoa 85	carrot 104	
clementine 95	clementine_.. 117	coca_cola_05 71	
coca_cola_l.. 105	cocoba_cocoa 141	corn_salad 91	
corny_nussv.. 98	corny_nussv.. 93	corny_schok.. 88	
corny_schok.. 125	cucumber 77	douwe_egber.. 108	
dr_oetker_v.. 103	ethiquable_.. 115	franken_taf.. 135	
gepa_bio_ca.. 104	gepa_bio_un.. 90	gepa_bio_un.. 75	
gepa_bio_un.. 97	gepa_bio_un.. 99	gepa_bio_un.. 88	
gepa_italie.. 112	grapes_gree.. 80	grapes_swee.. 96	
kilimanjaro.. 120	kiwi 108	koelln_mues.. 95	
koelln_mues.. 101	lettuce 80	orange_single 80	
oranges 62	pasta_reggi.. 94	pasta_reggi.. 105	
pasta_reggi.. 95	pear 92	pelikan_tin.. 82	
rocket 100	roma_vine_t.. 90	salad_iceberg 116	
suntory_gok.. 116	tegernseer_.. 91	vine_tomatoes 93	
zucchini 95			
total 5878			

[12/09 06:15:44 d2.data.common]: Serializing 1252 elements to byte tensors and concatenating them all ...

[12/09 06:15:44 d2.data.common]: Serialized dataset takes 0.51 MiB

[12/09 06:15:44 d2.evaluation.evaluator]: Start inference on 1252 images

[12/09 06:15:46 d2.evaluation.evaluator]: Inference done 11/1252. 0.1948 s / img. ETA=0:04:02

[12/09 06:15:52 d2.evaluation.evaluator]: Inference done 37/1252. 0.1960 s / img. ETA=0:03:59

[12/09 06:15:57 d2.evaluation.evaluator]: Inference done 62/1252. 0.1971 s / img. ETA=0:03:56

[12/09 06:16:02 d2.evaluation.evaluator]: Inference done 87/1252. 0.1983 s / img. ETA=0:03:52

[12/09 06:16:07 d2.evaluation.evaluator]: Inference done 112/1252. 0.1990 s / img. ETA=0:03:48

[12/09 06:16:12 d2.evaluation.evaluator]: Inference done 137/1252. 0.1994 s / img. ETA=0:03:43

[12/09 06:16:17 d2.evaluation.evaluator]: Inference done 162/1252. 0.1999 s / img. ETA=0:03:39

[12/09 06:16:22 d2.evaluation.evaluator]: Inference done 187/1252. 0.2008 s / img. ETA=0:03:35

[12/09 06:16:27 d2.evaluation.evaluator]: Inference done 212/1252. 0.2015 s / img. ETA=0:03:31

[12/09 06:16:32 d2.evaluation.evaluator]: Inference done 237/1252. 0.2019 s / img. ETA=0:03:26

[12/09 06:16:38 d2.evaluation.evaluator]: Inference done 262/1252. 0.2019 s / img. ETA=0:03:21

[12/09 06:16:43 d2.evaluation.evaluator]: Inference done 287/1252. 0.2018 s / img. ETA=0:03:16

[12/09 06:16:48 d2.evaluation.evaluator]: Inference done 312/1252. 0.2017 s / img. ETA=0:03:11

[12/09 06:16:53 d2.evaluation.evaluator]: Inference done 337/1252. 0.2017 s / img. ETA=0:03:05

[12/09 06:16:58 d2.evaluation.evaluator]: Inference done 362/1252. 0.2016 s / img. ETA=0:03:00

[12/09 06:17:03 d2.evaluation.evaluator]: Inference done 386/1252. 0.2016 s / img. ETA=0:02:56

[12/09 06:17:08 d2.evaluation.evaluator]: Inference done 408/1252. 0.2015 s / img. ETA=0:02:53

[12/09 06:17:13 d2.evaluation.evaluator]: Inference done 433/1252. 0.2014 s / img. ETA=0:02:48

[12/09 06:17:18 d2.evaluation.evaluator]: Inference done 456/1252. 0.2013 s / img. ETA=0:02:44

[12/09 06:17:23 d2.evaluation.evaluator]: Inference done 477/1252. 0.2012 s / img. ETA=0:02:41

[12/09 06:17:28 d2.evaluation.evaluator]: Inference done 501/1252. 0.2013 s / img. ETA=0:02:36

[12/09 06:17:33 d2.evaluation.evaluator]: Inference done 525/1252. 0.2012 s / img. ETA=0:02:31

[12/09 06:17:39 d2.evaluation.evaluator]: Inference done 545/1252. 0.2012 s / img. ETA=0:02:29

[12/09 06:17:44 d2.evaluation.evaluator]: Inference done 565/1252. 0.2013 s / img. ETA=0:02:25

[12/09 06:17:49 d2.evaluation.evaluator]: Inference done 589/1252. 0.2013 s / img. ETA=0:02:20

[12/09 06:17:54 d2.evaluation.evaluator]: Inference done 609/1252. 0.2013 s / img. ETA=0:02:17

[12/09 06:18:00 d2.evaluation.evaluator]: Inference done 634/1252. 0.2013 s / img. ETA=0:02:11

[12/09 06:18:05 d2.evaluation.evaluator]: Inference done 658/1252. 0.2013 s / img. ETA=0:02:06

[12/09 06:18:10 d2.evaluation.evaluator]: Inference done 683/1252. 0.2014 s / img. ETA=0:02:01

[12/09 06:18:15 d2.evaluation.evaluator]: Inference done 708/1252. 0.2013 s / img. ETA=0:01:55

[12/09 06:18:20 d2.evaluation.evaluator]: Inference done 731/1252. 0.2013 s / img. ETA=0:01:51

[12/09 06:18:25 d2.evaluation.evaluator]: Inference done 756/1252. 0.2013 s / img. ETA=0:01:45

[12/09 06:18:30 d2.evaluation.evaluator]: Inference done 781/1252. 0.2013 s / img. ETA=0:01:40

[12/09 06:18:35 d2.evaluation.evaluator]: Inference done 806/1252. 0.2013 s / img. ETA=0:01:34

[12/09 06:18:40 d2.evaluation.evaluator]: Inference done 831/1252. 0.2013 s / img. ETA=0:01:29

[12/09 06:18:45 d2.evaluation.evaluator]: Inference done 856/1252. 0.2013 s / img. ETA=0:01:23

[12/09 06:18:51 d2.evaluation.evaluator]: Inference done 881/1252. 0.2013 s / img. ETA=0:01:18

[12/09 06:18:56 d2.evaluation.evaluator]: Inference done 906/1252. 0.2013 s / img. ETA=0:01:13

[12/09 06:19:01 d2.evaluation.evaluator]: Inference done 930/1252. 0.2012 s / img. ETA=0:01:07

[12/09 06:19:06 d2.evaluation.evaluator]: Inference done 955/1252. 0.2012 s / img. ETA=0:01:02

[12/09 06:19:11 d2.evaluation.evaluator]: Inference done 980/1252. 0.2012 s / img. ETA=0:00:57

[12/09 06:19:16 d2.evaluation.evaluator]: Inference done 1005/1252. 0.2012 s / img. ETA=0:00:51

[12/09 06:19:21 d2.evaluation.evaluator]: Inference done 1030/1252. 0.2012 s / img. ETA=0:00:46

[12/09 06:19:26 d2.evaluation.evaluator]: Inference done 1055/1252. 0.2012 s / img. ETA=0:00:41

[12/09 06:19:31 d2.evaluation.evaluator]: Inference done 1080/1252. 0.2012 s / img. ETA=0:00:36

[12/09 06:19:36 d2.evaluation.evaluator]: Inference done 1105/1252. 0.2012 s / img. ETA=0:00:30

[12/09 06:19:41 d2.evaluation.evaluator]: Inference done 1130/1252. 0.2012 s / img. ETA=0:00:25

[12/09 06:19:46 d2.evaluation.evaluator]: Inference done 1155/1252. 0.2012 s / img. ETA=0:00:20

[12/09 06:19:51 d2.evaluation.evaluator]: Inference done 1180/1252. 0.2012 s / img. ETA=0:00:15

[12/09 06:19:56 d2.evaluation.evaluator]: Inference done 1205/1252. 0.2012 s / img. ETA=0:00:09

[12/09 06:20:01 d2.evaluation.evaluator]: Inference done 1230/1252. 0.2012 s / img. ETA=0:00:04

[12/09 06:20:06 d2.evaluation.evaluator]: Total inference time: 0:04:20.661388 (0.209031 s / img per device, on 1 devices)

[12/09 06:20:06 d2.evaluation.evaluator]: Total inference pure compute time: 0:04:10 (0.201170 s / img per device, on 1 devices)

[12/09 06:20:06 d2.evaluation.coco_evaluation]: Preparing results for COCO format ...

[12/09 06:20:06 d2.evaluation.coco_evaluation]: Saving results to
./output/coco_instances_results.json

[12/09 06:20:06 d2.evaluation.coco_evaluation]: Evaluating predictions ...

Loading and preparing results...

DONE (t=0.04s)

creating index...

index created!

Running per image evaluation...

Evaluate annotation type *bbox*

DONE (t=5.30s).

Accumulating evaluation results...

DONE (t=1.36s).

Average Precision (AP) @[IoU=0.50:0.95 | area= all | maxDets=100] = 0.599

Average Precision (AP) @[IoU=0.50 | area= all | maxDets=100] = 0.753

Average Precision (AP) @[IoU=0.75 | area= all | maxDets=100] = 0.692

Average Precision (AP) @[IoU=0.50:0.95 | area= small | maxDets=100] = 0.139

Average Precision (AP) @[IoU=0.50:0.95 | area=medium | maxDets=100] = 0.462

Average Precision (AP) @[IoU=0.50:0.95 | area= large | maxDets=100] = 0.575

Average Recall (AR) @[IoU=0.50:0.95 | area= all | maxDets= 1] = 0.656

Average Recall (AR) @[IoU=0.50:0.95 | area= all | maxDets= 10] = 0.764

Average Recall (AR) @[IoU=0.50:0.95 | area= all | maxDets=100] = 0.764

Average Recall (AR) @[IoU=0.50:0.95 | area= small | maxDets=100] = 0.203

Average Recall (AR) @[IoU=0.50:0.95 | area=medium | maxDets=100] = 0.636

Average Recall (AR) @[IoU=0.50:0.95 | area= large | maxDets=100] = 0.768

[12/09 06:20:13 d2.evaluation.coco_evaluation]: Evaluation results for bbox:

AP	AP50	AP75	APs	APm	API	
:-----:	:-----:	:-----:	:-----:	:-----:	:-----:	
59.854	75.262	69.215	13.867	46.164	57.534	

[12/09 06:20:13 d2.evaluation.coco_evaluation]: Per-category bbox AP:

category	AP	category	AP	category	
AP					
:-----:	:-----:	:-----:	:-----:	:-----:	:-----:
-----	-----				
Stuff	nan	adelholzener_alpenquelle_classic_075	58.237		
adelholzener_alpenquelle_naturell_075	43.528				
adelholzener_classic_bio_apfelschorle_02	49.894	adelholzener_classic_naturell_02	44.981		
adelholzener_gourmet_mineralwasser_02	61.952				
apple_braeburn_bundle	72.902	apple_golden_delicious	56.133		
apple_granny_smith	67.472				
apple_red_boskoop	81.088	augustiner_lagerbraeu_hell_05	38.680		
augustiner_weissbier_05	47.646				
avocado	75.241				
banana_bundle	66.255				
banana_single	56.975				
cafe_wunderbar_espresso	72.357				
caona_cocoa	73.929				

carrot	80.412	
clementine	75.509	
clementine_single	81.135	
coca_cola_05	51.347	
coca_cola_light_05	34.540	
cocoba_cocoa	58.469	
corn_salad	39.777	
corny_nussvoll	69.081	corny_nussvoll_single 61.032
corny_schoko_banane	63.181	
corny_schoko_banane_single	63.274	
cucumber	59.571	douwe_egberts_professional_ground_coffee 71.691
dr_oetker_vitalis_knuspermuesli_klassisch	56.151	ethiquable_gruener_tee_ceylon 56.987
franken_tafelreiniger	57.493	
gepa_bio_caffe_crema	65.822	gepa_bio_und_fair_fencheltee 40.039
gepa_bio_und_fair_kamillentee	44.568	
gepa_bio_und_fair_kraeuterteemischung	27.477	gepa_bio_und_fair_pfefferminztee 61.485
gepa_bio_und_fair_rooibostee	54.539	
gepa_italienischer_bio_espresso	54.054	grapes_green_sugraone_seedless 53.468
grapes_sweet_celebration_seedless	60.660	
kilimanjaro_tea_earl_grey	64.136	
kiwi	83.071	
koelln_muesli_fruechte	40.852	
koelln_muesli_schoko	52.603	
lettuce	74.555	
orange_single	77.957	
oranges	67.037	pasta_reggia_elicoidali 43.322
pasta_reggia_fusilli	53.162	
pasta_reggia_spaghetti	53.645	
pear	65.308	
pelikan_tintenpatrone_canon	68.800	
rocket	47.113	

roma_vine_tomatoes	55.255				
salad_iceberg	77.630				
suntory_gokuri_lemonade	72.768				
tegernseer_hell_03	54.455				
vine_tomatoes	55.298				
zucchini	75.221				

```
OrderedDict([('bbox',
  {'AP': 59.85369319367042,
   'AP-Stuff': nan,
   'AP-adelholzener_alpenquelle_classic_075': 58.23724927992402,
   'AP-adelholzener_alpenquelle_naturell_075': 43.52838744678114,
   'AP-adelholzener_classic_bio_apfelschorle_02': 49.89352074499075,
   'AP-adelholzener_classic_naturell_02': 44.981015473384836,
   'AP-adelholzener_gourmet_mineralwasser_02': 61.95169148279257,
   'AP-apple_braeburn_bundle': 72.90241031490571,
   'AP-apple_golden_delicious': 56.13304175750289,
   'AP-apple_granny_smith': 67.47165319738666,
   'AP-apple_red_boskoop': 81.08846927083448,
   'AP-augustiner_lagerbraeu_hell_05': 38.68014386379577,
   'AP-augustiner_weissbier_05': 47.64592868908581,
   'AP-avocado': 75.24078746336575,
   'AP-banana_bundle': 66.25456584258411,
   'AP-banana_single': 56.97500821535848,
   'AP-cafe_wunderbar_espresso': 72.35660879458449,
   'AP-caona_cocoa': 73.92921751095919,
   'AP-carrot': 80.41203672040776,
   'AP-clementine': 75.50905502787997,
   'AP-clementine_single': 81.1352228228325,
   'AP-coca_cola_05': 51.346835978050464,
   'AP-coca_cola_light_05': 34.539702926306035,
   'AP-cocoba_cocoa': 58.46897925881862,
```

'AP-corn_salad': 39.77724207076449,
'AP-corny_nussvoll': 69.08146087022078,
'AP-corny_nussvoll_single': 61.03184463388259,
'AP-corny_schoko_banane': 63.18070489309512,
'AP-corny_schoko_banane_single': 63.27447633179093,
'AP-cucumber': 59.570890692873,
'AP-douwe_egberts_professional_ground_coffee': 71.6906028696451,
'AP-dr_oetker_vitalis_knuspermuesli_klassisch': 56.15132188431174,
'AP-ethiquable_gruener_tee_ceylon': 56.98722722552676,
'AP-franken_tafelreiniger': 57.49310693114692,
'AP-gepa_bio_caffe_crema': 65.8224979703006,
'AP-gepa_bio_und_fair_fencheltee': 40.03941080819142,
'AP-gepa_bio_und_fair_kamillentee': 44.56826803173798,
'AP-gepa_bio_und_fair_kraeuterteemischung': 27.47739616838035,
'AP-gepa_bio_und_fair_pfefferminztee': 61.48536247866926,
'AP-gepa_bio_und_fair_rooibostee': 54.53886682179478,
'AP-gepa_italienischer_bio_espresso': 54.05367749610621,
'AP-grapes_green_sugraone_seedless': 53.468150254147005,
'AP-grapes_sweet_celebration_seedless': 60.6598035970157,
'AP-kilimanjaro_tea_earl_grey': 64.13590387208141,
'AP-kiwi': 83.07141087502868,
'AP-koelln_muesli_fruechte': 40.852073346641546,
'AP-koelln_muesli_schoko': 52.60255580021541,
'AP-lettuce': 74.55451731671997,
'AP-orange_single': 77.95699020111755,
'AP-oranges': 67.03731896592652,
'AP-pasta_reggia_elicoidali': 43.322066121471906,
'AP-pasta_reggia_fusilli': 53.16246580098585,
'AP-pasta_reggia_spaghetti': 53.644574922083606,
'AP-pear': 65.30807119382817,
'AP-pelikan_tintenpatrone_canon': 68.80018121793977,

```

'AP-rocket': 47.11328463595682,
'AP-roma_vine_tomatoes': 55.254957591787814,
'AP-salad_iceberg': 77.63010544610788,
'AP-suntory_gokuri_lemonade': 72.7679869400725,
'AP-tegernseer_hell_03': 54.45463834381986,
'AP-vine_tomatoes': 55.29802963212458,
'AP-zucchini': 75.2206152841829,
'AP50': 75.26223591116472,
'AP75': 69.21538732743083,
'APl': 57.53405256162486,
'APm': 46.1643975689977,
'APs': 13.866513493454608}}))

```

1000 warmup 2500 ITERATIONS

WARNING [12/10 08:53:19 d2.data.datasets.coco]:

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

[12/10 08:53:19 d2.data.datasets.coco]: Loaded 1252 images in COCO format from
/content/drive/My Drive/iotiot/test/_annotations.coco.json

[12/10 08:53:19 d2.data.build]: Distribution of instances among all 61 categories:

category	#instances	category	#instances	category	#instances
Stuff	0	adelholzene..	98	adelholzene..	82
adelholzene..	104	adelholzene..	100	adelholzene..	108
apple_braeb..	85	apple_golde..	86	apple_grann..	88
apple_red_b..	102	augustiner_..	102	augustiner_..	137

avocado	100	banana_bundle	78	banana_single	91	
cafe_wunder..	110	caona_cocoa	85	carrot	104	
clementine	95	clementine_..	117	coca_cola_05	71	
coca_cola_l..	105	cocoba_cocoa	141	corn_salad	91	
corny_nussv..	98	corny_nussv..	93	corny_schok..	88	
corny_schok..	125	cucumber	77	douwe_egber..	108	
dr_oetker_v..	103	ethiquable_..	115	franken_taf..	135	
gepa_bio_ca..	104	gepa_bio_un..	90	gepa_bio_un..	75	
gepa_bio_un..	97	gepa_bio_un..	99	gepa_bio_un..	88	
gepa_italie..	112	grapes_gree..	80	grapes_swee..	96	
kilimanjaro..	120	kiwi	108	koelln_mues..	95	
koelln_mues..	101	lettuce	80	orange_single	80	
oranges	62	pasta_reggi..	94	pasta_reggi..	105	
pasta_reggi..	95	pear	92	pelikan_tin..	82	
rocket	100	roma_vine_t..	90	salad_iceberg	116	
suntory_gok..	116	tegernseer_..	91	vine_tomatoes	93	
zucchini	95					
total	5878					

[12/10 08:53:19 d2.data.common]: Serializing 1252 elements to byte tensors and concatenating them all ...

[12/10 08:53:19 d2.data.common]: Serialized dataset takes 0.51 MiB

[12/10 08:53:19 d2.evaluation.evaluator]: Start inference on 1252 images

[12/10 08:53:22 d2.evaluation.evaluator]: Inference done 11/1252. 0.1914 s / img. ETA=0:03:58

[12/10 08:53:27 d2.evaluation.evaluator]: Inference done 37/1252. 0.1930 s / img. ETA=0:03:56

[12/10 08:53:33 d2.evaluation.evaluator]: Inference done 63/1252. 0.1942 s / img. ETA=0:03:52

[12/10 08:53:38 d2.evaluation.evaluator]: Inference done 88/1252. 0.1958 s / img. ETA=0:03:49

[12/10 08:53:43 d2.evaluation.evaluator]: Inference done 113/1252. 0.1969 s / img. ETA=0:03:45

[12/10 08:53:48 d2.evaluation.evaluator]: Inference done 138/1252. 0.1977 s / img. ETA=0:03:41

[12/10 08:53:53 d2.evaluation.evaluator]: Inference done 163/1252. 0.1983 s / img. ETA=0:03:37

[12/10 08:53:58 d2.evaluation.evaluator]: Inference done 188/1252. 0.1987 s / img. ETA=0:03:32

[12/10 08:54:03 d2.evaluation.evaluator]: Inference done 213/1252. 0.1989 s / img. ETA=0:03:28

[12/10 08:54:08 d2.evaluation.evaluator]: Inference done 238/1252. 0.1991 s / img. ETA=0:03:23

[12/10 08:54:13 d2.evaluation.evaluator]: Inference done 263/1252. 0.1992 s / img. ETA=0:03:18

[12/10 08:54:18 d2.evaluation.evaluator]: Inference done 289/1252. 0.1990 s / img. ETA=0:03:13

[12/10 08:54:23 d2.evaluation.evaluator]: Inference done 315/1252. 0.1988 s / img. ETA=0:03:07

[12/10 08:54:28 d2.evaluation.evaluator]: Inference done 341/1252. 0.1985 s / img. ETA=0:03:02

[12/10 08:54:33 d2.evaluation.evaluator]: Inference done 367/1252. 0.1982 s / img. ETA=0:02:56

[12/10 08:54:39 d2.evaluation.evaluator]: Inference done 393/1252. 0.1980 s / img. ETA=0:02:51

[12/10 08:54:44 d2.evaluation.evaluator]: Inference done 419/1252. 0.1978 s / img. ETA=0:02:46

[12/10 08:54:49 d2.evaluation.evaluator]: Inference done 445/1252. 0.1977 s / img. ETA=0:02:40

[12/10 08:54:54 d2.evaluation.evaluator]: Inference done 471/1252. 0.1976 s / img. ETA=0:02:35

[12/10 08:54:59 d2.evaluation.evaluator]: Inference done 497/1252. 0.1976 s / img. ETA=0:02:30

[12/10 08:55:04 d2.evaluation.evaluator]: Inference done 522/1252. 0.1977 s / img. ETA=0:02:25

[12/10 08:55:09 d2.evaluation.evaluator]: Inference done 547/1252. 0.1977 s / img. ETA=0:02:20

[12/10 08:55:14 d2.evaluation.evaluator]: Inference done 572/1252. 0.1978 s / img. ETA=0:02:15

[12/10 08:55:19 d2.evaluation.evaluator]: Inference done 598/1252. 0.1978 s / img. ETA=0:02:10

[12/10 08:55:25 d2.evaluation.evaluator]: Inference done 624/1252. 0.1978 s / img. ETA=0:02:05

[12/10 08:55:30 d2.evaluation.evaluator]: Inference done 650/1252. 0.1978 s / img. ETA=0:02:00

[12/10 08:55:35 d2.evaluation.evaluator]: Inference done 676/1252. 0.1978 s / img. ETA=0:01:54

[12/10 08:55:40 d2.evaluation.evaluator]: Inference done 702/1252. 0.1978 s / img. ETA=0:01:49

[12/10 08:55:45 d2.evaluation.evaluator]: Inference done 728/1252. 0.1977 s / img. ETA=0:01:44

[12/10 08:55:50 d2.evaluation.evaluator]: Inference done 754/1252. 0.1977 s / img. ETA=0:01:39

[12/10 08:55:56 d2.evaluation.evaluator]: Inference done 780/1252. 0.1976 s / img. ETA=0:01:34

[12/10 08:56:01 d2.evaluation.evaluator]: Inference done 806/1252. 0.1976 s / img. ETA=0:01:28

[12/10 08:56:06 d2.evaluation.evaluator]: Inference done 832/1252. 0.1975 s / img. ETA=0:01:23

[12/10 08:56:11 d2.evaluation.evaluator]: Inference done 858/1252. 0.1975 s / img. ETA=0:01:18

[12/10 08:56:16 d2.evaluation.evaluator]: Inference done 884/1252. 0.1975 s / img. ETA=0:01:13

[12/10 08:56:21 d2.evaluation.evaluator]: Inference done 910/1252. 0.1975 s / img. ETA=0:01:08

[12/10 08:56:26 d2.evaluation.evaluator]: Inference done 936/1252. 0.1975 s / img. ETA=0:01:02

[12/10 08:56:32 d2.evaluation.evaluator]: Inference done 962/1252. 0.1975 s / img. ETA=0:00:57

[12/10 08:56:37 d2.evaluation.evaluator]: Inference done 988/1252. 0.1975 s / img. ETA=0:00:52

[12/10 08:56:42 d2.evaluation.evaluator]: Inference done 1014/1252. 0.1975 s / img. ETA=0:00:47

[12/10 08:56:47 d2.evaluation.evaluator]: Inference done 1040/1252. 0.1975 s / img. ETA=0:00:42

[12/10 08:56:52 d2.evaluation.evaluator]: Inference done 1066/1252. 0.1975 s / img. ETA=0:00:37

[12/10 08:56:58 d2.evaluation.evaluator]: Inference done 1092/1252. 0.1975 s / img. ETA=0:00:31

[12/10 08:57:03 d2.evaluation.evaluator]: Inference done 1118/1252. 0.1975 s / img. ETA=0:00:26

[12/10 08:57:08 d2.evaluation.evaluator]: Inference done 1144/1252. 0.1975 s / img. ETA=0:00:21

[12/10 08:57:13 d2.evaluation.evaluator]: Inference done 1169/1252. 0.1975 s / img. ETA=0:00:16

[12/10 08:57:18 d2.evaluation.evaluator]: Inference done 1195/1252. 0.1976 s / img. ETA=0:00:11

[12/10 08:57:23 d2.evaluation.evaluator]: Inference done 1221/1252. 0.1975 s / img. ETA=0:00:06

[12/10 08:57:28 d2.evaluation.evaluator]: Inference done 1247/1252. 0.1975 s / img. ETA=0:00:00

[12/10 08:57:30 d2.evaluation.evaluator]: Total inference time: 0:04:08.378673 (0.199181 s / img per device, on 1 devices)

[12/10 08:57:30 d2.evaluation.evaluator]: Total inference pure compute time: 0:04:06 (0.197539 s / img per device, on 1 devices)

[12/10 08:57:30 d2.evaluation.coco_evaluation]: Preparing results for COCO format ...

[12/10 08:57:30 d2.evaluation.coco_evaluation]: Saving results to
./output/coco_instances_results.json

[12/10 08:57:31 d2.evaluation.coco_evaluation]: Evaluating predictions ...

Loading and preparing results...

DONE (t=0.15s)

creating index...

index created!

Running per image evaluation...

Evaluate annotation type *bbox*

DONE (t=5.07s).

Accumulating evaluation results...

DONE (t=1.38s).

Average Precision (AP) @[IoU=0.50:0.95 | area= all | maxDets=100] = 0.635

Average Precision (AP) @[IoU=0.50 | area= all | maxDets=100] = 0.776

Average Precision (AP) @[IoU=0.75 | area= all | maxDets=100] = 0.718

Average Precision (AP) @[IoU=0.50:0.95 | area= small | maxDets=100] = 0.120

Average Precision (AP) @[IoU=0.50:0.95 | area=medium | maxDets=100] = 0.485

Average Precision (AP) @[IoU=0.50:0.95 | area= large | maxDets=100] = 0.615

Average Recall (AR) @[IoU=0.50:0.95 | area= all | maxDets= 1] = 0.680

Average Recall (AR) @[IoU=0.50:0.95 | area= all | maxDets= 10] = 0.789

Average Recall (AR) @[IoU=0.50:0.95 | area= all | maxDets=100] = 0.789

Average Recall (AR) @[IoU=0.50:0.95 | area= small | maxDets=100] = 0.231

Average Recall (AR) @[IoU=0.50:0.95 | area=medium | maxDets=100] = 0.668

Average Recall (AR) @[IoU=0.50:0.95 | area= large | maxDets=100] = 0.801

[12/10 08:57:37 d2.evaluation.coco_evaluation]: Evaluation results for bbox:

AP	AP50	AP75	APs	APm	API	
:-----:	:-----:	:-----:	:-----:	:-----:	:-----:	
63.531	77.622	71.821	11.995	48.517	61.484	

[12/10 08:57:37 d2.evaluation.coco_evaluation]: Per-category bbox AP:

category	AP	category	AP	category	
AP					
:-----:	:-----:	:-----:	:-----:	:-----:	
-----	:-----:				
Stuff	nan	adelholzener_alpenquelle_classic_075	61.398		
adelholzener_alpenquelle_naturell_075	45.378				
adelholzener_classic_bio_apfelschorle_02	64.283	adelholzener_classic_naturell_02	48.368		
adelholzener_gourmet_mineralwasser_02	66.681				
apple_braeburn_bundle	74.779	apple_golden_delicious	64.112		
apple_granny_smith	65.588				
apple_red_boskoop	83.602	augustiner_lagerbraeu_hell_05	47.350		
augustiner_weissbier_05	41.990				
avocado	84.332	banana_bundle	70.500	banana_single	
	60.527				
cafe_wunderbar_espresso	74.782	caona_cocoa	73.564	carrot	
	79.828				
clementine	80.230	clementine_single	82.159	coca_cola_05	
	52.351				
coca_cola_light_05	38.757	cocoba_cocoa	64.485	corn_salad	
	50.887				
corny_nussvoll	70.728	corny_nussvoll_single	69.572		
corny_schoko_banane	71.376				
corny_schoko_banane_single	68.577	cucumber	59.902		
douwe_egberts_professional_ground_coffee	77.113				

dr_oetker_vitalis_knuspermuesli_klassisch	64.983	ethiquable_gruener_tee_ceylon	61.258
franken_tafelreiniger	59.680		
gepa_bio_caffe_crema	67.347	gepa_bio_und_fair_fencheltee	52.245
gepa_bio_und_fair_kamillentee	42.846		
gepa_bio_und_fair_kraeuterteemischung	31.898	gepa_bio_und_fair_pfefferminztee	
56.319	gepa_bio_und_fair_rooibostee	56.951	
gepa_italienischer_bio_espresso	56.952	grapes_green_sugraone_seedless	54.462
grapes_sweet_celebration_seedless	64.738		
kilimanjaro_tea_earl_grey	65.474	kiwi	84.711
koelln_muesli_fruechte	39.653		
koelln_muesli_schoko	50.607	lettuce	74.815
82.893		orange_single	
oranges	71.515	pasta_reggia_elicoidali	55.485
63.534		pasta_reggia_fusilli	
pasta_reggia_spaghetti	61.627	pear	67.749
pelikan_tintenpatrone_canon	67.413		
rocket	50.150	roma_vine_tomatoes	59.733
79.317		salad_iceberg	
suntory_gokuri_lemonade	78.726	tegernseer_hell_03	61.227
vine_tomatoes	60.343		
zucchini	73.991		

OrderedDict([('bbox',

{'AP': 63.530696429560294,

'AP-Stuff': nan,

'AP-adelholzener_alpenquelle_classic_075': 61.39789589774563,

'AP-adelholzener_alpenquelle_naturell_075': 45.37813682372253,

'AP-adelholzener_classic_bio_apfelschorle_02': 64.28333263028486,

'AP-adelholzener_classic_naturell_02': 48.367579091783405,

'AP-adelholzener_gourmet_mineralwasser_02': 66.68062508894603,

'AP-apple_braeburn_bundle': 74.7792667713798,

'AP-apple_golden_delicious': 64.11153250646277,

'AP-apple_granny_smith': 65.58829269622444,

'AP-apple_red_boskoop': 83.6017373878694,

'AP-augustiner_lagerbraeu_hell_05': 47.349797315804246,

'AP-augustiner_weissbier_05': 41.99031185424783,
'AP-avocado': 84.33232212330259,
'AP-banana_bundle': 70.50017351518882,
'AP-banana_single': 60.52738492908561,
'AP-cafe_wunderbar_espresso': 74.78219741259451,
'AP-caona_cocoa': 73.56407381832949,
'AP-carrot': 79.82838978638434,
'AP-clementine': 80.22977732631902,
'AP-clementine_single': 82.15896135190535,
'AP-coca_cola_05': 52.3511983679207,
'AP-coca_cola_light_05': 38.75662680312463,
'AP-cocoba_cocoa': 64.48454036650972,
'AP-corn_salad': 50.88738237582968,
'AP-corny_nussvoll': 70.7275874314687,
'AP-corny_nussvoll_single': 69.57150974608508,
'AP-corny_schoko_banane': 71.37634898667258,
'AP-corny_schoko_banane_single': 68.57712853811807,
'AP-cucumber': 59.901875186362965,
'AP-douwe_egberts_professional_ground_coffee': 77.11250513782362,
'AP-dr_oetker_vitalis_knuspermuesli_klassisch': 64.983451361909,
'AP-ethiquable_gruener_tee_ceylon': 61.25767334006107,
'AP-franken_tafelreiniger': 59.67956176378457,
'AP-gepa_bio_caffe_crema': 67.34658245087405,
'AP-gepa_bio_und_fair_fencheltee': 52.24536746241978,
'AP-gepa_bio_und_fair_kamillentee': 42.8458034168995,
'AP-gepa_bio_und_fair_kraeuterteemischung': 31.898238810881903,
'AP-gepa_bio_und_fair_pfefferminztee': 56.31903246313623,
'AP-gepa_bio_und_fair_rooibostee': 56.951349930547664,
'AP-gepa_italienischer_bio_espresso': 56.95215347679048,
'AP-grapes_green_sugraone_seedless': 54.462180673108094,
'AP-grapes_sweet_celebration_seedless': 64.73816630725108,

'AP-kilimanjaro_tea_earl_grey': 65.4736567516177,
'AP-kiwi': 84.71112005258048,
'AP-koelln_muesli_fruechte': 39.65293695458047,
'AP-koelln_muesli_schoko': 50.60741271398024,
'AP-lettuce': 74.81505205759007,
'AP-orange_single': 82.89291373318073,
'AP-oranges': 71.51486849433408,
'AP-pasta_reggia_elicoidali': 55.485367982308475,
'AP-pasta_reggia_fusilli': 63.53431643471552,
'AP-pasta_reggia_spaghetti': 61.62724224617679,
'AP-pear': 67.74877411695338,
'AP-pelikan_tintenpatrone_canon': 67.41340883033467,
'AP-rocket': 50.14994364600762,
'AP-roma_vine_tomatoes': 59.73333087077766,
'AP-salad_iceberg': 79.31742798763541,
'AP-suntory_gokuri_lemonade': 78.72601212942584,
'AP-tegernseer_hell_03': 61.22670179944002,
'AP-vine_tomatoes': 60.342590879997026,
'AP-zucchini': 73.99065536682177,
'AP50': 77.62153317382598,
'AP75': 71.8209957293754,
'API': 61.48352675725639,
'APm': 48.51747784680078,
'APs': 11.995136155623806}}))

1000 warmup 5000 ITERATIONS

WARNING [12/12 12:05:17 d2.data.datasets.coco]:

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

[12/12 12:05:17 d2.data.datasets.coco]: Loaded 1252 images in COCO format from
/content/drive/My Drive/iotiot/test/_annotations.coco.json

[12/12 12:05:17 d2.data.build]: Distribution of instances among all 61 categories:

category	#instances	category	#instances	category	#instances
Stuff	0	adelholzene..	98	adelholzene..	82
adelholzene..	104	adelholzene..	100	adelholzene..	108
apple_braeb..	85	apple_golde..	86	apple_grann..	88
apple_red_b..	102	augustiner_..	102	augustiner_..	137
avocado	100	banana_bundle	78	banana_single	91
cafe_wunder..	110	caona_cocoa	85	carrot	104
clementine	95	clementine_..	117	coca_cola_05	71
coca_cola_l..	105	cocoba_cocoa	141	corn_salad	91
corny_nussv..	98	corny_nussv..	93	corny_schok..	88
corny_schok..	125	cucumber	77	douwe_egber..	108
dr_oetker_v..	103	ethiquable_..	115	franken_taf..	135
gepa_bio_ca..	104	gepa_bio_un..	90	gepa_bio_un..	75
gepa_bio_un..	97	gepa_bio_un..	99	gepa_bio_un..	88
gepa_italie..	112	grapes_gree..	80	grapes_swee..	96
kilimanjaro..	120	kiwi	108	koelln_mues..	95
koelln_mues..	101	lettuce	80	orange_single	80
oranges	62	pasta_reggi..	94	pasta_reggi..	105
pasta_reggi..	95	pear	92	pelikan_tin..	82
rocket	100	roma_vine_t..	90	salad_iceberg	116

suntory_gok..	116	tegernseer_..	91	vine_tomatoes	93	
zucchini	95					
total	5878					

[12/12 12:05:17 d2.data.common]: Serializing 1252 elements to byte tensors and concatenating them all ...

[12/12 12:05:17 d2.data.common]: Serialized dataset takes 0.51 MiB

[12/12 12:05:17 d2.evaluation.evaluator]: Start inference on 1252 images

[12/12 12:05:20 d2.evaluation.evaluator]: Inference done 11/1252. 0.1971 s / img. ETA=0:04:05

[12/12 12:05:25 d2.evaluation.evaluator]: Inference done 36/1252. 0.1987 s / img. ETA=0:04:03

[12/12 12:05:30 d2.evaluation.evaluator]: Inference done 61/1252. 0.1998 s / img. ETA=0:03:59

[12/12 12:05:35 d2.evaluation.evaluator]: Inference done 86/1252. 0.2002 s / img. ETA=0:03:55

[12/12 12:05:40 d2.evaluation.evaluator]: Inference done 111/1252. 0.2004 s / img. ETA=0:03:50

[12/12 12:05:45 d2.evaluation.evaluator]: Inference done 136/1252. 0.2005 s / img. ETA=0:03:45

[12/12 12:05:50 d2.evaluation.evaluator]: Inference done 161/1252. 0.2005 s / img. ETA=0:03:40

[12/12 12:05:55 d2.evaluation.evaluator]: Inference done 186/1252. 0.2003 s / img. ETA=0:03:35

[12/12 12:06:00 d2.evaluation.evaluator]: Inference done 212/1252. 0.1998 s / img. ETA=0:03:29

[12/12 12:06:05 d2.evaluation.evaluator]: Inference done 238/1252. 0.1993 s / img. ETA=0:03:23

[12/12 12:06:10 d2.evaluation.evaluator]: Inference done 264/1252. 0.1988 s / img. ETA=0:03:17

[12/12 12:06:15 d2.evaluation.evaluator]: Inference done 290/1252. 0.1984 s / img. ETA=0:03:12

[12/12 12:06:20 d2.evaluation.evaluator]: Inference done 316/1252. 0.1980 s / img. ETA=0:03:06

[12/12 12:06:26 d2.evaluation.evaluator]: Inference done 342/1252. 0.1977 s / img. ETA=0:03:01

[12/12 12:06:31 d2.evaluation.evaluator]: Inference done 368/1252. 0.1975 s / img. ETA=0:02:55

[12/12 12:06:36 d2.evaluation.evaluator]: Inference done 394/1252. 0.1973 s / img. ETA=0:02:50

[12/12 12:06:41 d2.evaluation.evaluator]: Inference done 420/1252. 0.1972 s / img. ETA=0:02:45

[12/12 12:06:46 d2.evaluation.evaluator]: Inference done 446/1252. 0.1972 s / img. ETA=0:02:40

[12/12 12:06:51 d2.evaluation.evaluator]: Inference done 472/1252. 0.1972 s / img. ETA=0:02:35

[12/12 12:06:56 d2.evaluation.evaluator]: Inference done 498/1252. 0.1972 s / img. ETA=0:02:29

[12/12 12:07:01 d2.evaluation.evaluator]: Inference done 523/1252. 0.1973 s / img. ETA=0:02:24

[12/12 12:07:06 d2.evaluation.evaluator]: Inference done 548/1252. 0.1974 s / img. ETA=0:02:20

[12/12 12:07:12 d2.evaluation.evaluator]: Inference done 574/1252. 0.1974 s / img. ETA=0:02:14

[12/12 12:07:17 d2.evaluation.evaluator]: Inference done 600/1252. 0.1974 s / img. ETA=0:02:09

[12/12 12:07:22 d2.evaluation.evaluator]: Inference done 625/1252. 0.1974 s / img. ETA=0:02:04

[12/12 12:07:27 d2.evaluation.evaluator]: Inference done 651/1252. 0.1974 s / img. ETA=0:01:59

[12/12 12:07:32 d2.evaluation.evaluator]: Inference done 677/1252. 0.1974 s / img. ETA=0:01:54

[12/12 12:07:37 d2.evaluation.evaluator]: Inference done 703/1252. 0.1973 s / img. ETA=0:01:49

[12/12 12:07:42 d2.evaluation.evaluator]: Inference done 729/1252. 0.1973 s / img. ETA=0:01:44

[12/12 12:07:48 d2.evaluation.evaluator]: Inference done 755/1252. 0.1972 s / img. ETA=0:01:38

[12/12 12:07:53 d2.evaluation.evaluator]: Inference done 781/1252. 0.1972 s / img. ETA=0:01:33

[12/12 12:07:58 d2.evaluation.evaluator]: Inference done 807/1252. 0.1971 s / img. ETA=0:01:28

[12/12 12:08:03 d2.evaluation.evaluator]: Inference done 833/1252. 0.1971 s / img. ETA=0:01:23

[12/12 12:08:08 d2.evaluation.evaluator]: Inference done 859/1252. 0.1971 s / img. ETA=0:01:18

[12/12 12:08:13 d2.evaluation.evaluator]: Inference done 885/1252. 0.1971 s / img. ETA=0:01:12

[12/12 12:08:18 d2.evaluation.evaluator]: Inference done 911/1252. 0.1970 s / img. ETA=0:01:07

[12/12 12:08:23 d2.evaluation.evaluator]: Inference done 937/1252. 0.1970 s / img. ETA=0:01:02

[12/12 12:08:29 d2.evaluation.evaluator]: Inference done 963/1252. 0.1970 s / img. ETA=0:00:57

[12/12 12:08:34 d2.evaluation.evaluator]: Inference done 989/1252. 0.1970 s / img. ETA=0:00:52

[12/12 12:08:39 d2.evaluation.evaluator]: Inference done 1015/1252. 0.1970 s / img. ETA=0:00:47

[12/12 12:08:44 d2.evaluation.evaluator]: Inference done 1041/1252. 0.1969 s / img. ETA=0:00:41

[12/12 12:08:49 d2.evaluation.evaluator]: Inference done 1067/1252. 0.1969 s / img. ETA=0:00:36

[12/12 12:08:54 d2.evaluation.evaluator]: Inference done 1093/1252. 0.1969 s / img. ETA=0:00:31

[12/12 12:09:00 d2.evaluation.evaluator]: Inference done 1119/1252. 0.1969 s / img. ETA=0:00:26

[12/12 12:09:05 d2.evaluation.evaluator]: Inference done 1145/1252. 0.1970 s / img. ETA=0:00:21

[12/12 12:09:10 d2.evaluation.evaluator]: Inference done 1171/1252. 0.1970 s / img. ETA=0:00:16

[12/12 12:09:15 d2.evaluation.evaluator]: Inference done 1197/1252. 0.1970 s / img. ETA=0:00:10

[12/12 12:09:20 d2.evaluation.evaluator]: Inference done 1223/1252. 0.1970 s / img. ETA=0:00:05

[12/12 12:09:25 d2.evaluation.evaluator]: Inference done 1249/1252. 0.1970 s / img. ETA=0:00:00

[12/12 12:09:26 d2.evaluation.evaluator]: Total inference time: 0:04:07.726976 (0.198658 s / img per device, on 1 devices)

[12/12 12:09:26 d2.evaluation.evaluator]: Total inference pure compute time: 0:04:05 (0.196971 s / img per device, on 1 devices)

[12/12 12:09:27 d2.evaluation.coco_evaluation]: Preparing results for COCO format ...

[12/12 12:09:27 d2.evaluation.coco_evaluation]: Saving results to
./output/coco_instances_results.json

[12/12 12:09:27 d2.evaluation.coco_evaluation]: Evaluating predictions ...

Loading and preparing results...

DONE (t=0.15s)

creating index...

index created!

Running per image evaluation...

Evaluate annotation type *bbox*

DONE (t=4.78s).

Accumulating evaluation results...

DONE (t=1.26s).

Average Precision (AP) @[IoU=0.50:0.95 | area= all | maxDets=100] = 0.685

Average Precision (AP) @[IoU=0.50 | area= all | maxDets=100] = 0.823

Average Precision (AP) @[IoU=0.75 | area= all | maxDets=100] = 0.765

Average Precision (AP) @[IoU=0.50:0.95 | area= small | maxDets=100] = 0.149

Average Precision (AP) @[IoU=0.50:0.95 | area=medium | maxDets=100] = 0.532

Average Precision (AP) @[IoU=0.50:0.95 | area= large | maxDets=100] = 0.682

Average Recall (AR) @[IoU=0.50:0.95 | area= all | maxDets= 1] = 0.704

Average Recall (AR) @[IoU=0.50:0.95 | area= all | maxDets= 10] = 0.807

Average Recall (AR) @[IoU=0.50:0.95 | area= all | maxDets=100] = 0.807

Average Recall (AR) @[IoU=0.50:0.95 | area= small | maxDets=100] = 0.240

Average Recall (AR) @[IoU=0.50:0.95 | area=medium | maxDets=100] = 0.695

Average Recall (AR) @[IoU=0.50:0.95 | area= large | maxDets=100] = 0.822

[12/12 12:09:33 d2.evaluation.coco_evaluation]: Evaluation results for bbox:

AP	AP50	AP75	APs	APm	API	
:-----:	:-----:	:-----:	:-----:	:-----:	:-----:	
68.525	82.316	76.463	14.856	53.211	68.170	

[12/12 12:09:33 d2.evaluation.coco_evaluation]: Per-category bbox AP:

category	AP	category	AP	category	
AP					
:-----:	:-----:	:-----:	:-----:	:-----:	
-----	:-----:				

| Stuff | nan | adelholzener_alpenquelle_classic_075 | 66.271 |
 adelholzener_alpenquelle_naturell_075 | 46.367 |

 | adelholzener_classic_bio_apfelschorle_02 | 70.195 | adelholzener_classic_naturell_02 | 58.656
 | adelholzener_gourmet_mineralwasser_02 | 69.573 |

 | apple_braeburn_bundle | 78.554 | apple_golden_delicious | 73.199 |
 apple_granny_smith | 69.592 |

 | apple_red_boskoop | 84.947 | augustiner_lagerbraeu_hell_05 | 55.607 |
 augustiner_weissbier_05 | 55.316 |

 | avocado | 84.993 | banana_bundle | 70.833 | banana_single
 | 64.321 |

 | cafe_wunderbar_espresso | 77.488 | caona_cocoa | 75.215 | carrot
 | 83.145 |

 | clementine | 85.037 | clementine_single | 80.753 | coca_cola_05
 | 60.836 |

 | coca_cola_light_05 | 50.776 | cocoba_cocoa | 68.604 | corn_salad
 | 57.983 |

 | corny_nussvoll | 74.751 | corny_nussvoll_single | 71.058 |
 corny_schoko_banane | 74.855 |

 | corny_schoko_banane_single | 75.811 | cucumber | 64.686 |
 douwe_egberts_professional_ground_coffee | 78.087 |

 | dr_oetker_vitalis_knuspermuesli_klassisch | 65.359 | ethiquable_gruener_tee_ceylon | 66.454
 | franken_tafelreiniger | 68.383 |

 | gepa_bio_caffe_crema | 75.105 | gepa_bio_und_fair_fencheltee | 54.121 |
 gepa_bio_und_fair_kamillentee | 62.409 |

 | gepa_bio_und_fair_kraeuterteemischung | 44.113 | gepa_bio_und_fair_pfefferminztee |
 66.309 | gepa_bio_und_fair_rooibostee | 65.731 |

 | gepa_italienischer_bio_espresso | 59.087 | grapes_green_sugraone_seedless | 62.141 |
 grapes_sweet_celebration_seedless | 60.810 |

 | kilimanjaro_tea_earl_grey | 74.531 | kiwi | 87.425 |
 koelln_muesli_fruechte | 54.422 |

 | koelln_muesli_schoko | 57.889 | lettuce | 80.674 | orange_single
 | 84.093 |

 | oranges | 73.350 | pasta_reggia_elicoidali | 59.189 | pasta_reggia_fusilli
 | 67.497 |

 | pasta_reggia_spaghetti | 62.932 | pear | 70.860 |
 pelikan_tintenpatrone_canon | 73.533 |

 | rocket | 57.962 | roma_vine_tomatoes | 63.748 | salad_iceberg
 | 83.986 |

suntory_gokuri_lemonade	79.552	tegernseer_hell_03	62.774
vine_tomatoes	62.670		
zucchini	76.876		

OrderedDict([('bbox',

```
{'AP': 68.52488040231744,  
'AP-Stuff': nan,  
'AP-adelholzener_alpenquelle_classic_075': 66.2710908810374,  
'AP-adelholzener_alpenquelle_naturell_075': 46.36659816201655,  
'AP-adelholzener_classic_bio_apfelschorle_02': 70.19543961943921,  
'AP-adelholzener_classic_naturell_02': 58.65643491293265,  
'AP-adelholzener_gourmet_mineralwasser_02': 69.57253339364486,  
'AP-apple_braeburn_bundle': 78.55356249423559,  
'AP-apple_golden_delicious': 73.1989291468187,  
'AP-apple_granny_smith': 69.59183279094171,  
'AP-apple_red_boskoop': 84.94699003574719,  
'AP-augustiner_lagerbraeu_hell_05': 55.6070526140719,  
'AP-augustiner_weissbier_05': 55.315735469640025,  
'AP-avocado': 84.9931939990137,  
'AP-banana_bundle': 70.83327786315124,  
'AP-banana_single': 64.32133913990782,  
'AP-cafe_wunderbar_espresso': 77.48827950866745,  
'AP-caona_cocoa': 75.215184852516,  
'AP-carrot': 83.14507441517401,  
'AP-clementine': 85.03673201827526,  
'AP-clementine_single': 80.75318668917748,  
'AP-coca_cola_05': 60.83552720920975,  
'AP-coca_cola_light_05': 50.77637679335274,  
'AP-cocoba_cocoa': 68.6036438045102,  
'AP-corn_salad': 57.98309265700388,  
'AP-corny_nussvoll': 74.75089413579077,  
'AP-corny_nussvoll_single': 71.05767220971433,
```

'AP-corny_schoko_banane': 74.8546307262794,
'AP-corny_schoko_banane_single': 75.81119158408073,
'AP-cucumber': 64.68575446822659,
'AP-douwe_egberts_professional_ground_coffee': 78.08657066589784,
'AP-dr_oetker_vitalis_knuspermuesli_klassisch': 65.35912596168339,
'AP-ethiquable_gruener_tee_ceylon': 66.45387834005649,
'AP-franken_tafelreiniger': 68.38256164146757,
'AP-gepa_bio_caffe_crema': 75.10503167848312,
'AP-gepa_bio_und_fair_fencheltee': 54.12146826275349,
'AP-gepa_bio_und_fair_kamillentee': 62.40913529239427,
'AP-gepa_bio_und_fair_kraeuterteemischung': 44.11281380319063,
'AP-gepa_bio_und_fair_pfefferminztee': 66.30907448141733,
'AP-gepa_bio_und_fair_rooibostee': 65.73067060226055,
'AP-gepa_italienischer_bio_espresso': 59.087141611500805,
'AP-grapes_green_sugraone_seedless': 62.14101741929883,
'AP-grapes_sweet_celebration_seedless': 60.81042720446628,
'AP-kilimanjaro_tea_earl_grey': 74.53069060660894,
'AP-kiwi': 87.42514896745082,
'AP-koelln_muesli_fruechte': 54.422420821021156,
'AP-koelln_muesli_schoko': 57.88869628371639,
'AP-lettuce': 80.67353207477146,
'AP-orange_single': 84.09303295544926,
'AP-oranges': 73.3499196083259,
'AP-pasta_reggia_elicoidali': 59.188838679544546,
'AP-pasta_reggia_fusilli': 67.49710734033648,
'AP-pasta_reggia_spaghetti': 62.93236214756026,
'AP-pear': 70.86033686618542,
'AP-pelikan_tintenpatrone_canon': 73.53285624632328,
'AP-rocket': 57.96169019058567,
'AP-roma_vine_tomatoes': 63.7481985152745,
'AP-salad_iceberg': 83.98622788211935,

'AP-suntory_gokuri_lemonade': 79.551591449398,
'AP-tegernseer_hell_03': 62.77428227919144,
'AP-vine_tomatoes': 62.66990328093015,
'AP-zucchini': 76.87581938480584,
'AP50': 82.31575926671114,
'AP75': 76.46292039058828,
'AP1': 68.16982563569015,
'APm': 53.21051134786073,
'APs': 14.855915247808346}}))

2000 warmup 5000 iterations

DONE (t=1.13s).

Average Precision (AP) @[IoU=0.50:0.95 | area= all | maxDets=100] = 0.739

Average Precision (AP) @[IoU=0.50 | area= all | maxDets=100] = 0.868

Average Precision (AP) @[IoU=0.75 | area= all | maxDets=100] = 0.815

Average Precision (AP) @[IoU=0.50:0.95 | area= small | maxDets=100] = 0.142

Average Precision (AP) @[IoU=0.50:0.95 | area=medium | maxDets=100] = 0.586

Average Precision (AP) @[IoU=0.50:0.95 | area= large | maxDets=100] = 0.744

Average Recall (AR) @[IoU=0.50:0.95 | area= all | maxDets= 1] = 0.731

Average Recall (AR) @[IoU=0.50:0.95 | area= all | maxDets= 10] = 0.827

Average Recall (AR) @[IoU=0.50:0.95 | area= all | maxDets=100] = 0.827

Average Recall (AR) @[IoU=0.50:0.95 | area= small | maxDets=100] = 0.265

Average Recall (AR) @[IoU=0.50:0.95 | area=medium | maxDets=100] = 0.703

Average Recall (AR) @[IoU=0.50:0.95 | area= large | maxDets=100] = 0.842

[12/24 17:58:57 d2.evaluation.coco_evaluation]: Evaluation results for bbox:

AP	AP50	AP75	APs	APm	API	
:-----:	:-----:	:-----:	:-----:	:-----:	:-----:	
73.877	86.772	81.525	14.218	58.577	74.374	

[12/24 17:58:57 d2.evaluation.coco_evaluation]: Per-category bbox AP:

category	AP	category	AP	category	
AP					
:-----:	:-----:	:-----:	:-----:	:-----:	
-----	-----				
Stuff	nan	adelholzener_alpenquelle_classic_075	74.228		
adelholzener_alpenquelle_naturell_075	60.573				
adelholzener_classic_bio_apfelschorle_02	74.194	adelholzener_classic_naturell_02	66.176		
adelholzener_gourmet_mineralwasser_02	76.906				
apple_braeburn_bundle	78.984	apple_golden_delicious	78.614		
apple_granny_smith	76.521				
apple_red_boskoop	89.091	augustiner_lagerbraeu_hell_05	70.688		
augustiner_weissbier_05	67.708				
avocado	87.085	banana_bundle	77.691	banana_single	
73.004					
cafe_wunderbar_espresso	80.285	caona_cocoa	80.995	carrot	
84.592					
clementine	85.206	clementine_single	84.648	coca_cola_05	
67.679					
coca_cola_light_05	60.369	cocoba_cocoa	70.269	corn_salad	
63.589					
corny_nussvoll	75.275	corny_nussvoll_single	75.669		
corny_schoko_banane	79.354				

corny_schoko_banane_single	76.408	cucumber	65.009
douwe_egberts_professional_ground_coffee	86.075		
dr_oetker_vitalis_knuspermuesli_klassisch	75.838	ethiquable_gruener_tee_ceylon	65.879
franken_tafelreiniger	73.090		
gepa_bio_caffe_crema	77.628	gepa_bio_und_fair_fencheltee	66.392
gepa_bio_und_fair_kamillentee	68.430		
gepa_bio_und_fair_kraeuterteemischung	58.190	gepa_bio_und_fair_pfefferminztee	76.459
gepa_bio_und_fair_rooibostee	72.755		
gepa_italienischer_bio_espresso	63.560	grapes_green_sugraone_seedless	69.192
grapes_sweet_celebration_seedless	76.783		
kilimanjaro_tea_earl_grey	75.907	kiwi	86.842
koelln_muesli_fruechte	61.105		
koelln_muesli_schoko	56.882	lettuce	81.889
	86.504	orange_single	
oranges	76.743	pasta_reggia_elicoidali	64.664
	74.406	pasta_reggia_fusilli	
pasta_reggia_spaghetti	70.486	pear	75.050
pelikan_tintenpatrone_canon	77.816		
rocket	61.029	roma_vine_tomatoes	65.165
	87.337	salad_iceberg	
suntory_gokuri_lemonade	84.024	tegernseer_hell_03	70.197
vine_tomatoes	66.084		
zucchini	79.402		

OrderedDict([('bbox',

{'AP': 73.87689221213816,

'AP-Stuff': nan,

'AP-adelholzener_alpenquelle_classic_075': 74.22815242375698,

'AP-adelholzener_alpenquelle_naturell_075': 60.57332440272709,

'AP-adelholzener_classic_bio_apfelschorle_02': 74.19360464133788,

'AP-adelholzener_classic_naturell_02': 66.17569635600607,

'AP-adelholzener_gourmet_mineralwasser_02': 76.9060831446846,

'AP-apple_braeburn_bundle': 78.98373060346181,

'AP-apple_golden_delicious': 78.61436946231547,

'AP-apple_granny_smith': 76.5212353541895,

'AP-apple_red_boskoop': 89.09132256920869,

'AP-augustiner_lagerbraeu_hell_05': 70.6882799682069,
'AP-augustiner_weissbier_05': 67.70783282373066,
'AP-avocado': 87.08461234541556,
'AP-banana_bundle': 77.69117079343414,
'AP-banana_single': 73.00419051134689,
'AP-cafe_wunderbar_espresso': 80.2852630640644,
'AP-caona_cocoa': 80.99508157312431,
'AP-carrot': 84.59184441098928,
'AP-clementine': 85.20592663028839,
'AP-clementine_single': 84.64801040757544,
'AP-coca_cola_05': 67.67853639148221,
'AP-coca_cola_light_05': 60.368718148420584,
'AP-cocoba_cocoa': 70.26853684822522,
'AP-corn_salad': 63.588610982056984,
'AP-corny_nussvoll': 75.27489963390278,
'AP-corny_nussvoll_single': 75.66878990264044,
'AP-corny_schoko_banane': 79.3542076441295,
'AP-corny_schoko_banane_single': 76.40843274700755,
'AP-cucumber': 65.00913286143555,
'AP-douwe_egberts_professional_ground_coffee': 86.07499140698206,
'AP-dr_oetker_vitalis_knuspermuesli_klassisch': 75.83758105864133,
'AP-ethiquable_gruener_tee_ceylon': 65.87907981537266,
'AP-franken_tafelreiniger': 73.08958678329289,
'AP-gepa_bio_caffe_crema': 77.62758547133741,
'AP-gepa_bio_und_fair_fencheltee': 66.3918249197454,
'AP-gepa_bio_und_fair_kamillentee': 68.4299090624566,
'AP-gepa_bio_und_fair_kraeuterteemischung': 58.18994709123532,
'AP-gepa_bio_und_fair_pfefferminztee': 76.4594489896039,
'AP-gepa_bio_und_fair_rooibostee': 72.75459695480004,
'AP-gepa_italienischer_bio_espresso': 63.5602594308306,
'AP-grapes_green_sugraone_seedless': 69.1918645683702,

'AP-grapes_sweet_celebration_seedless': 76.78342808285457,
'AP-kilimanjaro_tea_earl_grey': 75.90716679604172,
'AP-kiwi': 86.84225291883946,
'AP-koelln_muesli_fruechte': 61.10477993829819,
'AP-koelln_muesli_schoko': 56.882164283045874,
'AP-lettuce': 81.88921212968314,
'AP-orange_single': 86.50365535549298,
'AP-oranges': 76.74302260347297,
'AP-pasta_reggia_elicoidali': 64.66431439316786,
'AP-pasta_reggia_fusilli': 74.40582626818562,
'AP-pasta_reggia_spaghetti': 70.48645528400496,
'AP-pear': 75.05004863833898,
'AP-pelikan_tintenpatrone_canon': 77.81615917519913,
'AP-rocket': 61.02926084839233,
'AP-roma_vine_tomatoes': 65.16530264332422,
'AP-salad_iceberg': 87.33739476729883,
'AP-suntory_gokuri_lemonade': 84.02433437219408,
'AP-tegernseer_hell_03': 70.19700018834544,
'AP-vine_tomatoes': 66.08374547801775,
'AP-zucchini': 79.40173636625849,
'AP50': 86.77186508629507,
'AP75': 81.52549706365062,
'API': 74.37353916195232,
'APm': 58.57680766668981,
'APs': 14.217957525736875}}))

