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1 C:\Users\17703\anaconda3\envs\ResNet50_RCNN\python.
  exe "D:\PyCharm 2022.1.2\plugins\python\helpers\pydev
  \pydevd.py" --multiprocess --qt-support=auto --client
    127.0.0.1 --port 63819 --file E:/NTU-Visual-
  Recognition-via-Vision-Language-Model-Transfer/
  validation.py
2 Connected to pydev debugger (build 221.5787.24)
3 Using cuda device training.
4 Using 0 dataloader workers
5 loading annotations into memory...
6 Done (t=0.44s)
7 creating index...
8 index created!
9 validation...:  0%|                | 0/5000 [00:00<?, ?it/
  s]C:\Users\17703\anaconda3\envs\ResNet50_RCNN\lib\
  site-packages\torch\functional.py:445: UserWarning:
  torch.meshgrid: in an upcoming release, it will be
  required to pass the indexing argument. (Triggered
  internally at  ..\aten\src\ATen\native\TensorShape.
  cpp:2157.)
10   return _VF.meshgrid(tensors, **kwargs) # type:
     ignore[attr-defined]
11 validation...: 100%|██████████| 5000/5000 [07:00<00:
    00, 11.88it/s]
12 Loading and preparing results...
13 DONE (t=0.50s)
14 creating index...
15 index created!
16 Running per image evaluation...
17 Evaluate annotation type *bbox*
18 DONE (t=20.36s).
19 Accumulating evaluation results...
20 DONE (t=3.52s).
21 IoU metric: bbox
22   Average Precision  (AP) @[ IoU=0.50:0.95 | area=
     all | maxDets=100 ] = 0.277
23   Average Precision  (AP) @[ IoU=0.50      | area=
     all | maxDets=100 ] = 0.453
24   Average Precision  (AP) @[ IoU=0.75      | area=
     all | maxDets=100 ] = 0.290
25   Average Precision  (AP) @[ IoU=0.50:0.95 | area=

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25 small | maxDets=100 ] = 0.126
26 Average Precision (AP) @[ IoU=0.50:0.95 | area=
   medium | maxDets=100 ] = 0.308
27 Average Precision (AP) @[ IoU=0.50:0.95 | area=
   large | maxDets=100 ] = 0.378
28 Average Recall (AR) @[ IoU=0.50:0.95 | area=
   all | maxDets= 1 ] = 0.242
29 Average Recall (AR) @[ IoU=0.50:0.95 | area=
   all | maxDets= 10 ] = 0.358
30 Average Recall (AR) @[ IoU=0.50:0.95 | area=
   all | maxDets=100 ] = 0.366
31 Average Recall (AR) @[ IoU=0.50:0.95 | area=
   small | maxDets=100 ] = 0.169
32 Average Recall (AR) @[ IoU=0.50:0.95 | area=
   medium | maxDets=100 ] = 0.402
33 Average Recall (AR) @[ IoU=0.50:0.95 | area=
   large | maxDets=100 ] = 0.512
34 person : 0.7413418532941958
35 bicycle : 0.4664696878180967
36 car : 0.6007562101461962
37 motorcycle : 0.5780799388035468
38 airplane : 0.7806396694235753
39 bus : 0.7343922085910274
40 train : 0.7220878443261134
41 truck : 0.4648026777791317
42 boat : 0.38314374497518405
43 traffic light : 0.40438168695717835
44 fire hydrant : 0.7713980018783078
45 stop sign : 0.6279738197153981
46 parking meter : 0.5322986737834174
47 bench : 0.28220785694431416
48 bird : 0.46342435912209573
49 cat : 0.8290396919769147
50 dog : 0.7239215214650884
51 horse : 0.7323926785949252
52 sheep : 0.6474571242765806
53 cow : 0.6963828706582277
54 elephant : 0.7874499944794444
55 bear : 0.7471807691291878
56 zebra : 0.8427762211422795
57 giraffe : 0.8532437023886882
```

58	backpack	:	0.18075351673795056
59	umbrella	:	0.4616532679701037
60	handbag	:	0.11878780679419275
61	tie	:	0.19508535196674348
62	suitcase	:	0.27893202981441173
63	frisbee	:	0.637322516990148
64	skis	:	0.3552648636431026
65	snowboard	:	0.4015279535035237
66	sports ball	:	0.4528916285174633
67	kite	:	0.5198896595450576
68	baseball bat	:	0.32606815720495097
69	baseball glove	:	0.38298816170467304
70	skateboard	:	0.6166933239467356
71	surfboard	:	0.5309030424236119
72	tennis racket	:	0.6210440818016274
73	bottle	:	0.43763297639345894
74	wine glass	:	0.36044237918405664
75	cup	:	0.3855212073736353
76	fork	:	0.2000150470576374
77	knife	:	0.07999710671956937
78	spoon	:	0.06882248601792376
79	bowl	:	0.452162919976261
80	banana	:	0.2797663623388932
81	apple	:	0.16768374539467132
82	sandwich	:	0.4012802664693048
83	orange	:	0.300498287055618
84	broccoli	:	0.25088168186541615
85	carrot	:	0.15250539974670407
86	hot dog	:	0.26079434428196
87	pizza	:	0.5027452283742148
88	donut	:	0.3567905614198968
89	cake	:	0.2860311199256876
90	chair	:	0.298692949895937
91	couch	:	0.5033621138775516
92	potted plant	:	0.30233900995956564
93	bed	:	0.5544528575258585
94	dining table	:	0.2908238652281388
95	toilet	:	0.6687636978244007
96	tv	:	0.6164790352907672
97	laptop	:	0.6514042296352625
98	mouse	:	0.49417247346303467

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99 remote : 0.18444210732144428
100 keyboard : 0.6307532699262081
101 cell phone : 0.27591684829527535
102 microwave : 0.6202899082344069
103 oven : 0.4193017915471584
104 toaster : 0.22409240924092402
105 sink : 0.4571379012462846
106 refrigerator : 0.5448571819777859
107 book : 0.15901464533502568
108 clock : 0.6439514392531153
109 vase : 0.4166904708742855
110 scissors : 0.23540433596462354
111 teddy bear : 0.5802944571128044
112 hair drier : 0.0
113 toothbrush : 0.06613689291364339
114
115 Process finished with exit code 0
116
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