

```

File - train
1 C:\Users\hilmi\AppData\Local\Programs\Python\Python312\python.exe D:\Projects\Code\python-projects\yolo-gfl\yolo-gfl\train.py
2 WARNING no model scale passed. Assuming scale='n'.
3 New https://pypi.org/project/ultralytics/8.3.159 available Update with 'pip install -U ultralytics'
4 Ultralytics 8.3.157 Python-3.12.10 torch-2.6.0+cu126 CUDA:0 (NVIDIA GeForce RTX 4060 Laptop GPU, 8188MiB)
5 engine\trainer: agnostic_nms=False, amp=True, augment=False, auto_augment=randaugment, batch=32, bgr=0.0, box=7.5, cache=False, cfg=None, classes=None, close
6 WARNING no model scale passed. Assuming scale='n'.
7
8         from n      params   module                                arguments
9  0           -1 1       464  ultralytics.nn.modules.conv.Conv      [3, 16, 3, 2]
10 1            -1 1      4672 ultralytics.nn.modules.conv.Conv     [16, 32, 3, 2]
11 2            -1 1      5040 ultralytics.nn.modules.block.C3k2    [32, 32, 1]
12 3            -1 1     18560 ultralytics.nn.modules.conv.Conv    [32, 64, 3, 2]
13 4            -1 2     31168 ultralytics.nn.modules.block.C3k2    [64, 64, 2]
14 5            -1 1     73984 ultralytics.nn.modules.conv.Conv    [64, 128, 3, 2]
15 6            -1 2     40160 ultralytics.nn.modules.block.C3Ghost  [128, 128, 2]
16 7            -1 1     295424 ultralytics.nn.modules.conv.Conv  [128, 256, 3, 2]
17 8            -1 1    143072 ultralytics.nn.modules.block.C3Ghost  [256, 256, 1]
18 9            -1 1          0 torch.nn.modules.upsampling.Upsample  [None, 2, 'nearest']
19 10           [-1, 5] 1        0 ultralytics.nn.modules.conv.Concat [1]
20 11           -1 1      69488 ultralytics.nn.modules.block.C3Ghost  [384, 128, 1]
21 12           -1 1          0 torch.nn.modules.upsampling.Upsample  [None, 2, 'nearest']
22 13           [-1, 3] 1        0 ultralytics.nn.modules.conv.Concat [1]
23 14           -1 1     17848 ultralytics.nn.modules.block.C3Ghost  [192, 64, 1, 3, 2]
24 15           -1 1     19360 ultralytics.nn.modules.conv.GhostConv  [64, 64, 3, 2]
25 16           [-1, 11] 1       0 ultralytics.nn.modules.conv.Concat [1]
26 17           -1 1     44912 ultralytics.nn.modules.block.C3Ghost  [192, 128, 1, 3, 2]
27 18           -1 1     75584 ultralytics.nn.modules.conv.GhostConv  [128, 128, 3, 2]
28 19           [-1, 8] 1       0 ultralytics.nn.modules.conv.Concat [1]
29 20           -1 1     345472 ultralytics.nn.modules.block.C3k2    [384, 256, 1]
30 21           [14, 17, 20] 1  431062 ultralytics.nn.modules.head.Detect  [2, [64, 128, 256]]
31 YOLO-gfl summary: 198 layers, 1,616,270 parameters, 1,616,254 gradients, 4.7 GFLOPs
32
33 Freezing layer 'model.21.dfl.conv.weight'
34 AMP: running Automatic Mixed Precision (AMP) checks...
35 AMP: checks passed
36 train: Fast image access (ping: 0.10.0 ms, read: 1342.2537.3 MB/s, size: 289.5 KB)
37 train: Scanning D:\Projects\Code\python-projects\yolo-gfl\dataset\HOME-FIRE\train\labels.cache... 3900 images, 87 backgrounds, 0 corrupt: 100%|████████| : 3
38 albumentations: Blur(p=0.01, blur_limit=(3, 7)), MedianBlur(p=0.01, blur_limit=(3, 7)), ToGray(p=0.01, method='weighted_average', num_output_channels=3), Cl
39 val: Fast image access (ping: 0.10.0 ms, read: 1321.4650.2 MB/s, size: 306.0 KB)
40 val: Scanning D:\Projects\Code\python-projects\yolo-gfl\dataset\HOME-FIRE\val\labels.cache... 1300 images, 33 backgrounds, 0 corrupt: 100%|████████| 1300,
41 Plotting labels to runs\YOLO-GFL\labels.jpg...
42 0%| | 0/122 [00:00:<?, ?it/s]optimizer: SGD(lr=0.01, momentum=0.937) with parameter groups 80 weight(decay=0.0), 87 weight(decay=0.0005), 86 bias(
43 Image sizes 640 train, 640 val
44 Using 8 dataloader workers
45 Logging results to runs\YOLO-GFL
46 Starting training for 300 epochs...
47
48 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
49 1/300 3.86 3.616 4.654 4.118 74 640: 100%|████████| 122/122 [00:30<00:00, 4.02it/s]
50 Class Images Instances Box(P R mAP50 mAP50-95): 100%|████████| 21/21 [00:04<00:00, 4.46it/s]
51 all 1300 1580 0.00423 0.011 0.0023 0.000559
52
53 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
54 2/300 3.846 3.296 3.911 3.486 53 640: 100%|████████| 122/122 [00:28<00:00, 4.28it/s]
55 Class Images Instances Box(P R mAP50 mAP50-95): 100%|████████| 21/21 [00:06<00:00, 3.38it/s]
56 all 1300 1580 0.598 0.0582 0.0421 0.0137
57
58 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
59 3/300 3.986 2.906 3.305 2.936 78 640: 100%|████████| 122/122 [00:27<00:00, 4.39it/s]
60 Class Images Instances Box(P R mAP50 mAP50-95): 100%|████████| 21/21 [00:06<00:00, 3.33it/s]
61 all 1300 1580 0.106 0.137 0.0515 0.0147
62
63 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
64 4/300 3.986 2.545 2.818 2.548 79 640: 100%|████████| 122/122 [00:27<00:00, 4.36it/s]
65 Class Images Instances Box(P R mAP50 mAP50-95): 100%|████████| 21/21 [00:07<00:00, 2.93it/s]
66 all 1300 1580 0.0595 0.206 0.0469 0.0179
67 0%| | 0/122 [00:00:<?, ?it/s]
68 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
69 5/300 3.836 2.319 2.502 2.307 52 640: 100%|████████| 122/122 [00:27<00:00, 4.38it/s]
70 Class Images Instances Box(P R mAP50 mAP50-95): 100%|████████| 21/21 [00:06<00:00, 3.06it/s]
71 all 1300 1580 0.353 0.333 0.287 0.115
72 0%| | 0/122 [00:00:<?, ?it/s]
73 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
74 6/300 3.956 2.178 2.313 2.171 51 640: 100%|████████| 122/122 [00:27<00:00, 4.36it/s]
75 Class Images Instances Box(P R mAP50 mAP50-95): 100%|████████| 21/21 [00:07<00:00, 2.97it/s]
76 all 1300 1580 0.58 0.279 0.308 0.133
77
78 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
79 7/300 3.956 2.094 2.2 2.085 74 640: 100%|████████| 122/122 [00:28<00:00, 4.32it/s]
80 Class Images Instances Box(P R mAP50 mAP50-95): 100%|████████| 21/21 [00:06<00:00, 3.29it/s]
81 all 1300 1580 0.45 0.396 0.383 0.17
82 0%| | 0/122 [00:00:<?, ?it/s]
83 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
84 8/300 3.956 2.016 2.082 2.016 62 640: 100%|████████| 122/122 [00:27<00:00, 4.38it/s]
85 Class Images Instances Box(P R mAP50 mAP50-95): 100%|████████| 21/21 [00:06<00:00, 3.31it/s]
86 all 1300 1580 0.513 0.445 0.451 0.208
87 0%| | 0/122 [00:00:<?, ?it/s]
88 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
89 9/300 3.986 1.959 2.012 1.942 64 640: 100%|████████| 122/122 [00:27<00:00, 4.37it/s]
90 Class Images Instances Box(P R mAP50 mAP50-95): 100%|████████| 21/21 [00:06<00:00, 3.33it/s]
91 all 1300 1580 0.725 0.35 0.403 0.186
92 0%| | 0/122 [00:00:<?, ?it/s]
93 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
94 10/300 3.986 1.91 1.95 1.901 77 640: 100%|████████| 122/122 [00:27<00:00, 4.36it/s]
95 Class Images Instances Box(P R mAP50 mAP50-95): 100%|████████| 21/21 [00:06<00:00, 3.31it/s]
96 all 1300 1580 0.552 0.47 0.46 0.214
97 0%| | 0/122 [00:00:<?, ?it/s]
98 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
99 11/300 3.986 1.878 1.859 1.864 71 640: 100%|████████| 122/122 [00:27<00:00, 4.38it/s]
100 Class Images Instances Box(P R mAP50 mAP50-95): 100%|████████| 21/21 [00:06<00:00, 3.35it/s]
101 all 1300 1580 0.546 0.471 0.473 0.233
102 0%| | 0/122 [00:00:<?, ?it/s]
103 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
104 12/300 3.956 1.84 1.814 1.829 77 640: 100%|████████| 122/122 [00:27<00:00, 4.37it/s]
105 Class Images Instances Box(P R mAP50 mAP50-95): 100%|████████| 21/21 [00:06<00:00, 3.29it/s]
106 all 1300 1580 0.593 0.498 0.537 0.275
107
108 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
109 13/300 3.986 1.812 1.785 1.818 61 640: 100%|████████| 122/122 [00:27<00:00, 4.39it/s]
110 Class Images Instances Box(P R mAP50 mAP50-95): 100%|████████| 21/21 [00:06<00:00, 3.33it/s]
111 all 1300 1580 0.624 0.541 0.571 0.284
112 0%| | 0/122 [00:00:<?, ?it/s]
113 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
114 14/300 3.956 1.77 1.727 1.779 61 640: 100%|████████| 122/122 [00:29<00:00, 4.21it/s]
115 Class Images Instances Box(P R mAP50 mAP50-95): 100%|████████| 21/21 [00:07<00:00, 2.95it/s]
116 all 1300 1580 0.659 0.462 0.529 0.268
117 0%| | 0/122 [00:00:<?, ?it/s]
118 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
119 15/300 3.986 1.753 1.678 1.757 57 640: 100%|████████| 122/122 [00:28<00:00, 4.22it/s]

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File - train

		Class	Images	Instances	Box(P)	R	mAP50	mAP50-95): 100%	21/21 [00:07<00:00, 2.94it/s]
120		all	1300	1580	0.692	0.567	0.649	0.331	
121									
122									
123	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances		Size	
124	16/300	3.98G	1.719	1.615	1.723	70	640: 100%	122/122 [00:29<00:00, 4.20it/s]	
125		Class	Images	Instances	Box(P)	R	mAP50	mAP50-95): 100%	21/21 [00:07<00:00, 2.98it/s]
126		all	1300	1580	0.594	0.492	0.525	0.273	
127	0%	0/122 [00:00:<?, ?it/s]							
128	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances		Size	
129	17/300	3.95G	1.729	1.614	1.725	67	640: 100%	122/122 [00:28<00:00, 4.21it/s]	
130		Class	Images	Instances	Box(P)	R	mAP50	mAP50-95): 100%	21/21 [00:07<00:00, 2.95it/s]
131		all	1300	1580	0.682	0.576	0.632	0.333	
132	0%	0/122 [00:00:<?, ?it/s]							
133	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances		Size	
134	18/300	3.98G	1.694	1.554	1.707	77	640: 100%	122/122 [00:28<00:00, 4.21it/s]	
135		Class	Images	Instances	Box(P)	R	mAP50	mAP50-95): 100%	21/21 [00:07<00:00, 2.99it/s]
136		all	1300	1580	0.75	0.597	0.678	0.354	
137	0%	0/122 [00:00:<?, ?it/s]							
138	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances		Size	
139	19/300	3.99G	1.677	1.529	1.679	74	640: 100%	122/122 [00:29<00:00, 4.20it/s]	
140		Class	Images	Instances	Box(P)	R	mAP50	mAP50-95): 100%	21/21 [00:07<00:00, 2.99it/s]
141		all	1300	1580	0.739	0.601	0.673	0.361	
142	0%	0/122 [00:00:<?, ?it/s]							
143	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances		Size	
144	20/300	3.99G	1.667	1.513	1.674	74	640: 100%	122/122 [00:28<00:00, 4.21it/s]	
145		Class	Images	Instances	Box(P)	R	mAP50	mAP50-95): 100%	21/21 [00:07<00:00, 2.92it/s]
146		all	1300	1580	0.742	0.646	0.701	0.379	
147									
148	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances		Size	
149	21/300	3.95G	1.655	1.499	1.664	75	640: 100%	122/122 [00:28<00:00, 4.22it/s]	
150		Class	Images	Instances	Box(P)	R	mAP50	mAP50-95): 100%	21/21 [00:06<00:00, 3.32it/s]
151		all	1300	1580	0.704	0.644	0.685	0.375	
152									
153	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances		Size	
154	22/300	3.98G	1.636	1.466	1.636	65	640: 100%	122/122 [00:27<00:00, 4.36it/s]	
155		Class	Images	Instances	Box(P)	R	mAP50	mAP50-95): 100%	21/21 [00:06<00:00, 3.33it/s]
156		all	1300	1580	0.751	0.638	0.706	0.387	
157	0%	0/122 [00:00:<?, ?it/s]							
158	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances		Size	
159	23/300	3.98G	1.619	1.42	1.629	70	640: 100%	122/122 [00:27<00:00, 4.38it/s]	
160		Class	Images	Instances	Box(P)	R	mAP50	mAP50-95): 100%	21/21 [00:06<00:00, 3.29it/s]
161		all	1300	1580	0.731	0.655	0.718	0.38	
162									
163	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances		Size	
164	24/300	3.98G	1.594	1.397	1.613	78	640: 100%	122/122 [00:27<00:00, 4.37it/s]	
165		Class	Images	Instances	Box(P)	R	mAP50	mAP50-95): 100%	21/21 [00:06<00:00, 3.34it/s]
166		all	1300	1580	0.744	0.632	0.703	0.38	
167									
168	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances		Size	
169	25/300	3.99G	1.58	1.373	1.598	65	640: 100%	122/122 [00:27<00:00, 4.37it/s]	
170		Class	Images	Instances	Box(P)	R	mAP50	mAP50-95): 100%	21/21 [00:06<00:00, 3.33it/s]
171		all	1300	1580	0.757	0.677	0.742	0.4	
172									
173	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances		Size	
174	26/300	3.99G	1.579	1.364	1.598	64	640: 100%	122/122 [00:27<00:00, 4.39it/s]	
175		Class	Images	Instances	Box(P)	R	mAP50	mAP50-95): 100%	21/21 [00:06<00:00, 3.35it/s]
176		all	1300	1580	0.771	0.69	0.753	0.413	
177	0%	0/122 [00:00:<?, ?it/s]							
178	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances		Size	
179	27/300	3.95G	1.574	1.351	1.579	73	640: 100%	122/122 [00:27<00:00, 4.36it/s]	
180		Class	Images	Instances	Box(P)	R	mAP50	mAP50-95): 100%	21/21 [00:06<00:00, 3.35it/s]
181		all	1300	1580	0.779	0.663	0.734	0.407	
182									
183	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances		Size	
184	28/300	3.98G	1.573	1.347	1.578	63	640: 100%	122/122 [00:28<00:00, 4.33it/s]	
185		Class	Images	Instances	Box(P)	R	mAP50	mAP50-95): 100%	21/21 [00:07<00:00, 2.99it/s]
186		all	1300	1580	0.79	0.671	0.755	0.419	
187	0%	0/122 [00:00:<?, ?it/s]							
188	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances		Size	
189	29/300	3.96G	1.561	1.332	1.574	60	640: 100%	122/122 [00:29<00:00, 4.20it/s]	
190		Class	Images	Instances	Box(P)	R	mAP50	mAP50-95): 100%	21/21 [00:07<00:00, 2.98it/s]
191		all	1300	1580	0.746	0.661	0.737	0.405	
192									
193	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances		Size	
194	30/300	3.98G	1.552	1.307	1.57	75	640: 100%	122/122 [00:29<00:00, 4.20it/s]	
195		Class	Images	Instances	Box(P)	R	mAP50	mAP50-95): 100%	21/21 [00:06<00:00, 3.01it/s]
196		all	1300	1580	0.768	0.691	0.745	0.42	
197	0%	0/122 [00:00:<?, ?it/s]							
198	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances		Size	
199	31/300	3.95G	1.524	1.278	1.549	68	640: 100%	122/122 [00:29<00:00, 4.20it/s]	
200		Class	Images	Instances	Box(P)	R	mAP50	mAP50-95): 100%	21/21 [00:07<00:00, 2.97it/s]
201		all	1300	1580	0.716	0.553	0.614	0.327	
202	0%	0/122 [00:00:<?, ?it/s]							
203	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances		Size	
204	32/300	3.98G	1.522	1.273	1.545	69	640: 100%	122/122 [00:29<00:00, 4.20it/s]	
205		Class	Images	Instances	Box(P)	R	mAP50	mAP50-95): 100%	21/21 [00:07<00:00, 3.00it/s]
206		all	1300	1580	0.774	0.728	0.793	0.45	
207	0%	0/122 [00:00:<?, ?it/s]							
208	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances		Size	
209	33/300	3.95G	1.52	1.267	1.535	57	640: 100%	122/122 [00:28<00:00, 4.21it/s]	
210		Class	Images	Instances	Box(P)	R	mAP50	mAP50-95): 100%	21/21 [00:07<00:00, 2.99it/s]
211		all	1300	1580	0.795	0.735	0.787	0.452	
212	0%	0/122 [00:00:<?, ?it/s]							
213	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances		Size	
214	34/300	3.98G	1.519	1.262	1.532	72	640: 100%	122/122 [00:29<00:00, 4.20it/s]	
215		Class	Images	Instances	Box(P)	R	mAP50	mAP50-95): 100%	21/21 [00:07<00:00, 2.97it/s]
216		all	1300	1580	0.787	0.732	0.803	0.457	
217	0%	0/122 [00:00:<?, ?it/s]							
218	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances		Size	
219	35/300	3.98G	1.49	1.232	1.524	66	640: 100%	122/122 [00:29<00:00, 4.20it/s]	
220		Class	Images	Instances	Box(P)	R	mAP50	mAP50-95): 100%	21/21 [00:07<00:00, 2.92it/s]
221		all	1300	1580	0.814	0.72	0.794	0.45	
222									
223	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances		Size	
224	36/300	3.95G	1.48	1.215	1.504	78	640: 100%	122/122 [00:29<00:00, 4.21it/s]	
225		Class	Images	Instances	Box(P)	R	mAP50	mAP50-95): 100%	21/21 [00:07<00:00, 2.98it/s]
226		all	1300	1580	0.807	0.731	0.8	0.46	
227									
228	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances		Size	
229	37/300	3.95G	1.467	1.194	1.497	52	640: 100%	122/122 [00:29<00:00, 4.19it/s]	
230		Class	Images	Instances	Box(P)	R	mAP50	mAP50-95): 100%	21/21 [00:07<00:00, 2.93it/s]
231		all	1300	1580	0.799	0.734	0.801	0.456	
232									
233	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances		Size	
234	38/300	3.99G	1.468	1.175	1.496	75	640: 100%	122/122 [00:29<00:00, 4.20it/s]	
235		Class	Images	Instances	Box(P)	R	mAP50	mAP50-95): 100%	21/21 [00:07<00:0

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239 39/300 3.956 1.458 1.164 1.481 55 640: 100% |██████████| 122/122 [00:29<00:00, 4.19it/s]
240 Class Images Instances Box(P R mAP50 mAP50-95): 100% |██████████| 21/21 [00:06<00:00, 3.00it/s]
241 all 1300 1580 0.835 0.745 0.822 0.475
242 0%| | 0/122 [00:00<?, ?it/s] Size
243 Epoch GPU_mem box_loss cls_loss dfl_loss Instances 640: 100% |██████████| 122/122 [00:28<00:00, 4.21it/s]
244 40/300 3.986 1.465 1.174 1.489 66 mAP50 mAP50-95): 100% |██████████| 21/21 [00:07<00:00, 2.96it/s]
245 Class Images Instances Box(P R mAP50 mAP50-95): 100% |██████████| 21/21 [00:07<00:00, 2.96it/s]
246 all 1300 1580 0.831 0.734 0.814 0.471
247 0%| | 0/122 [00:00<?, ?it/s] Size
248 Epoch GPU_mem box_loss cls_loss dfl_loss Instances 640: 100% |██████████| 122/122 [00:28<00:00, 4.22it/s]
249 41/300 3.986 1.45 1.155 1.474 84 mAP50 mAP50-95): 100% |██████████| 21/21 [00:07<00:00, 2.97it/s]
250 Class Images Instances Box(P R mAP50 mAP50-95): 100% |██████████| 21/21 [00:07<00:00, 2.97it/s]
251 all 1300 1580 0.811 0.761 0.82 0.471
252
253 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
254 42/300 3.986 1.457 1.155 1.48 58 640: 100% |██████████| 122/122 [00:29<00:00, 4.20it/s]
255 Class Images Instances Box(P R mAP50 mAP50-95): 100% |██████████| 21/21 [00:07<00:00, 2.99it/s]
256 all 1300 1580 0.842 0.749 0.828 0.488
257 0%| | 0/122 [00:00<?, ?it/s] Size
258 Epoch GPU_mem box_loss cls_loss dfl_loss Instances 640: 100% |██████████| 122/122 [00:28<00:00, 4.22it/s]
259 43/300 3.956 1.451 1.131 1.47 67 mAP50 mAP50-95): 100% |██████████| 21/21 [00:07<00:00, 3.00it/s]
260 Class Images Instances Box(P R mAP50 mAP50-95): 100% |██████████| 21/21 [00:07<00:00, 3.00it/s]
261 all 1300 1580 0.797 0.721 0.784 0.448
262 0%| | 0/122 [00:00<?, ?it/s] Size
263 Epoch GPU_mem box_loss cls_loss dfl_loss Instances 640: 100% |██████████| 122/122 [00:28<00:00, 4.22it/s]
264 44/300 3.986 1.424 1.109 1.46 80 mAP50 mAP50-95): 100% |██████████| 21/21 [00:07<00:00, 2.98it/s]
265 Class Images Instances Box(P R mAP50 mAP50-95): 100% |██████████| 21/21 [00:07<00:00, 2.98it/s]
266 all 1300 1580 0.829 0.765 0.821 0.487
267
268 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
269 45/300 3.986 1.431 1.098 1.461 67 640: 100% |██████████| 122/122 [00:28<00:00, 4.22it/s]
270 Class Images Instances Box(P R mAP50 mAP50-95): 100% |██████████| 21/21 [00:07<00:00, 2.96it/s]
271 all 1300 1580 0.841 0.77 0.832 0.489
272
273 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
274 46/300 3.956 1.413 1.09 1.45 70 640: 100% |██████████| 122/122 [00:29<00:00, 4.21it/s]
275 Class Images Instances Box(P R mAP50 mAP50-95): 100% |██████████| 21/21 [00:07<00:00, 2.92it/s]
276 all 1300 1580 0.847 0.755 0.828 0.493
277 0%| | 0/122 [00:00<?, ?it/s] Size
278 Epoch GPU_mem box_loss cls_loss dfl_loss Instances 640: 100% |██████████| 122/122 [00:28<00:00, 4.22it/s]
279 47/300 3.996 1.42 1.106 1.445 61 mAP50 mAP50-95): 100% |██████████| 21/21 [00:07<00:00, 2.98it/s]
280 Class Images Instances Box(P R mAP50 mAP50-95): 100% |██████████| 21/21 [00:07<00:00, 2.98it/s]
281 all 1300 1580 0.858 0.77 0.848 0.5
282
283 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
284 48/300 3.986 1.401 1.088 1.447 66 640: 100% |██████████| 122/122 [00:29<00:00, 4.20it/s]
285 Class Images Instances Box(P R mAP50 mAP50-95): 100% |██████████| 21/21 [00:06<00:00, 3.00it/s]
286 all 1300 1580 0.87 0.766 0.848 0.503
287 0%| | 0/122 [00:00<?, ?it/s] Size
288 Epoch GPU_mem box_loss cls_loss dfl_loss Instances 640: 100% |██████████| 122/122 [00:29<00:00, 4.20it/s]
289 49/300 3.986 1.408 1.077 1.437 61 mAP50 mAP50-95): 100% |██████████| 21/21 [00:06<00:00, 3.00it/s]
290 Class Images Instances Box(P R mAP50 mAP50-95): 100% |██████████| 21/21 [00:06<00:00, 3.00it/s]
291 all 1300 1580 0.862 0.777 0.854 0.503
292
293 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
294 50/300 3.986 1.384 1.056 1.423 54 640: 100% |██████████| 122/122 [00:28<00:00, 4.21it/s]
295 Class Images Instances Box(P R mAP50 mAP50-95): 100% |██████████| 21/21 [00:07<00:00, 2.98it/s]
296 all 1300 1580 0.843 0.776 0.85 0.505
297 0%| | 0/122 [00:00<?, ?it/s] Size
298 Epoch GPU_mem box_loss cls_loss dfl_loss Instances 640: 100% |██████████| 122/122 [00:28<00:00, 4.21it/s]
299 51/300 3.986 1.399 1.076 1.429 69 mAP50 mAP50-95): 100% |██████████| 21/21 [00:07<00:00, 2.98it/s]
300 Class Images Instances Box(P R mAP50 mAP50-95): 100% |██████████| 21/21 [00:07<00:00, 2.98it/s]
301 all 1300 1580 0.86 0.786 0.852 0.5
302 0%| | 0/122 [00:00<?, ?it/s] Size
303 Epoch GPU_mem box_loss cls_loss dfl_loss Instances 640: 100% |██████████| 122/122 [00:28<00:00, 4.21it/s]
304 52/300 3.956 1.394 1.057 1.428 63 mAP50 mAP50-95): 100% |██████████| 21/21 [00:07<00:00, 2.99it/s]
305 Class Images Instances Box(P R mAP50 mAP50-95): 100% |██████████| 21/21 [00:07<00:00, 2.99it/s]
306 all 1300 1580 0.86 0.789 0.85 0.504
307 0%| | 0/122 [00:00<?, ?it/s] Size
308 Epoch GPU_mem box_loss cls_loss dfl_loss Instances 640: 100% |██████████| 122/122 [00:29<00:00, 4.20it/s]
309 53/300 3.956 1.38 1.043 1.417 58 mAP50 mAP50-95): 100% |██████████| 21/21 [00:07<00:00, 2.94it/s]
310 Class Images Instances Box(P R mAP50 mAP50-95): 100% |██████████| 21/21 [00:07<00:00, 2.94it/s]
311 all 1300 1580 0.875 0.78 0.859 0.507
312 0%| | 0/122 [00:00<?, ?it/s] Size
313 Epoch GPU_mem box_loss cls_loss dfl_loss Instances 640: 100% |██████████| 122/122 [00:29<00:00, 4.20it/s]
314 54/300 3.986 1.373 1.034 1.411 74 mAP50 mAP50-95): 100% |██████████| 21/21 [00:07<00:00, 2.95it/s]
315 Class Images Instances Box(P R mAP50 mAP50-95): 100% |██████████| 21/21 [00:07<00:00, 2.95it/s]
316 all 1300 1580 0.845 0.8 0.862 0.521
317 0%| | 0/122 [00:00<?, ?it/s] Size
318 Epoch GPU_mem box_loss cls_loss dfl_loss Instances 640: 100% |██████████| 122/122 [00:28<00:00, 4.21it/s]
319 55/300 3.986 1.372 1.036 1.412 64 mAP50 mAP50-95): 100% |██████████| 21/21 [00:07<00:00, 2.97it/s]
320 Class Images Instances Box(P R mAP50 mAP50-95): 100% |██████████| 21/21 [00:07<00:00, 2.97it/s]
321 all 1300 1580 0.839 0.805 0.862 0.52
322
323 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
324 56/300 3.986 1.365 1.019 1.408 88 640: 100% |██████████| 122/122 [00:29<00:00, 4.18it/s]
325 Class Images Instances Box(P R mAP50 mAP50-95): 100% |██████████| 21/21 [00:09<00:00, 2.17it/s]
326 all 1300 1580 0.862 0.798 0.871 0.521
327 0%| | 0/122 [00:00<?, ?it/s] Size
328 Epoch GPU_mem box_loss cls_loss dfl_loss Instances 640: 100% |██████████| 122/122 [00:31<00:00, 3.83it/s]
329 57/300 3.986 1.348 1.014 1.397 82 mAP50 mAP50-95): 100% |██████████| 21/21 [00:07<00:00, 2.80it/s]
330 Class Images Instances Box(P R mAP50 mAP50-95): 100% |██████████| 21/21 [00:07<00:00, 2.80it/s]
331 all 1300 1580 0.853 0.813 0.872 0.519
332
333 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
334 58/300 3.956 1.364 1.023 1.407 85 640: 100% |██████████| 122/122 [00:27<00:00, 4.38it/s]
335 Class Images Instances Box(P R mAP50 mAP50-95): 100% |██████████| 21/21 [00:06<00:00, 3.33it/s]
336 all 1300 1580 0.869 0.797 0.869 0.522
337
338 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
339 59/300 3.986 1.358 1.011 1.397 68 640: 100% |██████████| 122/122 [00:27<00:00, 4.38it/s]
340 Class Images Instances Box(P R mAP50 mAP50-95): 100% |██████████| 21/21 [00:06<00:00, 3.30it/s]
341 all 1300 1580 0.865 0.783 0.861 0.519
342 0%| | 0/122 [00:00<?, ?it/s] Size
343 Epoch GPU_mem box_loss cls_loss dfl_loss Instances 640: 100% |██████████| 122/122 [00:27<00:00, 4.38it/s]
344 60/300 3.986 1.348 1.003 1.387 77 mAP50 mAP50-95): 100% |██████████| 21/21 [00:06<00:00, 3.35it/s]
345 Class Images Instances Box(P R mAP50 mAP50-95): 100% |██████████| 21/21 [00:06<00:00, 3.35it/s]
346 all 1300 1580 0.874 0.82 0.875 0.531
347
348 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
349 61/300 3.986 1.346 0.9914 1.384 56 640: 100% |██████████| 122/122 [00:29<00:00, 4.09it/s]
350 Class Images Instances Box(P R mAP50 mAP50-95): 100% |██████████| 21/21 [00:06<00:00, 3.30it/s]
351 all 1300 1580 0.849 0.813 0.871 0.53
352
353 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
354 62/300 3.986 1.346 0.9891 1.386 73 640: 100% |██████████| 122/122 [00:28<00:00, 4.22it/s]
355 Class Images Instances Box(P R mAP50 mAP50-95): 100% |██████████| 21/21 [00:06<00:00, 3.16it/s]
356 all 1300 1580 0.887 0.816 0.881 0.536
357

File - train

358	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
359	63/300	3.95G	1.346	0.9925	1.388	72	640: 100% ██████████ 122/122 [00:29<00:00, 4.17it/s]
360		Class	Images	Instances	Box(P R)		mAP50 mAP50-95): 100% ██████████ 21/21 [00:06<00:00, 3.08it/s]
361		all	1300	1580	0.869	0.817	0.878 0.536
362	0%	0/122 [00:00:<?, ?it/s]					
363	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
364	64/300	3.95G	1.331	0.978	1.376	73	640: 100% ██████████ 122/122 [00:29<00:00, 4.08it/s]
365		Class	Images	Instances	Box(P R)		mAP50 mAP50-95): 100% ██████████ 21/21 [00:07<00:00, 2.68it/s]
366		all	1300	1580	0.861	0.824	0.882 0.541
367	0%	0/122 [00:00:<?, ?it/s]					
368	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
369	65/300	3.98G	1.335	0.9805	1.379	69	640: 100% ██████████ 122/122 [00:32<00:00, 3.73it/s]
370		Class	Images	Instances	Box(P R)		mAP50 mAP50-95): 100% ██████████ 21/21 [00:09<00:00, 2.25it/s]
371		all	1300	1580	0.871	0.843	0.888 0.545
372	0%	0/122 [00:00:<?, ?it/s]					
373	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
374	66/300	3.98G	1.323	0.9674	1.367	70	640: 100% ██████████ 122/122 [00:32<00:00, 3.74it/s]
375		Class	Images	Instances	Box(P R)		mAP50 mAP50-95): 100% ██████████ 21/21 [00:09<00:00, 2.27it/s]
376		all	1300	1580	0.878	0.817	0.881 0.533
377	0%	0/122 [00:00:<?, ?it/s]					
378	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
379	67/300	3.98G	1.324	0.9717	1.366	65	640: 100% ██████████ 122/122 [00:31<00:00, 3.82it/s]
380		Class	Images	Instances	Box(P R)		mAP50 mAP50-95): 100% ██████████ 21/21 [00:09<00:00, 2.12it/s]
381		all	1300	1580	0.876	0.827	0.887 0.545
382	0%	0/122 [00:00:<?, ?it/s]					
383	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
384	68/300	3.95G	1.315	0.956	1.361	79	640: 100% ██████████ 122/122 [00:32<00:00, 3.79it/s]
385		Class	Images	Instances	Box(P R)		mAP50 mAP50-95): 100% ██████████ 21/21 [00:09<00:00, 2.29it/s]
386		all	1300	1580	0.889	0.817	0.886 0.546
387	0%	0/122 [00:00:<?, ?it/s]					
388	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
389	69/300	3.98G	1.32	0.9597	1.365	55	640: 100% ██████████ 122/122 [00:31<00:00, 3.87it/s]
390		Class	Images	Instances	Box(P R)		mAP50 mAP50-95): 100% ██████████ 21/21 [00:09<00:00, 2.26it/s]
391		all	1300	1580	0.898	0.828	0.891 0.546
392							
393	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
394	70/300	3.99G	1.304	0.9322	1.351	69	640: 100% ██████████ 122/122 [00:31<00:00, 3.89it/s]
395		Class	Images	Instances	Box(P R)		mAP50 mAP50-95): 100% ██████████ 21/21 [00:08<00:00, 2.36it/s]
396		all	1300	1580	0.893	0.832	0.896 0.552
397							
398	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
399	71/300	3.98G	1.308	0.9341	1.351	55	640: 100% ██████████ 122/122 [00:31<00:00, 3.85it/s]
400		Class	Images	Instances	Box(P R)		mAP50 mAP50-95): 100% ██████████ 21/21 [00:09<00:00, 2.30it/s]
401		all	1300	1580	0.884	0.819	0.88 0.535
402							
403	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
404	72/300	3.95G	1.292	0.9399	1.352	61	640: 100% ██████████ 122/122 [00:31<00:00, 3.84it/s]
405		Class	Images	Instances	Box(P R)		mAP50 mAP50-95): 100% ██████████ 21/21 [00:09<00:00, 2.24it/s]
406		all	1300	1580	0.873	0.827	0.89 0.544
407	0%	0/122 [00:00:<?, ?it/s]					
408	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
409	73/300	3.99G	1.286	0.9207	1.339	68	640: 100% ██████████ 122/122 [00:30<00:00, 3.98it/s]
410		Class	Images	Instances	Box(P R)		mAP50 mAP50-95): 100% ██████████ 21/21 [00:06<00:00, 3.37it/s]
411		all	1300	1580	0.895	0.825	0.894 0.551
412							
413	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
414	74/300	3.98G	1.285	0.9217	1.336	76	640: 100% ██████████ 122/122 [00:28<00:00, 4.35it/s]
415		Class	Images	Instances	Box(P R)		mAP50 mAP50-95): 100% ██████████ 21/21 [00:06<00:00, 3.37it/s]
416		all	1300	1580	0.883	0.832	0.894 0.556
417	0%	0/122 [00:00:<?, ?it/s]					
418	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
419	75/300	3.98G	1.279	0.9123	1.341	64	640: 100% ██████████ 122/122 [00:27<00:00, 4.36it/s]
420		Class	Images	Instances	Box(P R)		mAP50 mAP50-95): 100% ██████████ 21/21 [00:06<00:00, 3.35it/s]
421		all	1300	1580	0.9	0.832	0.894 0.545
422							
423	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
424	76/300	3.98G	1.278	0.9038	1.332	66	640: 100% ██████████ 122/122 [00:27<00:00, 4.37it/s]
425		Class	Images	Instances	Box(P R)		mAP50 mAP50-95): 100% ██████████ 21/21 [00:06<00:00, 3.35it/s]
426		all	1300	1580	0.89	0.841	0.896 0.551
427							
428	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
429	77/300	3.98G	1.305	0.9204	1.345	74	640: 100% ██████████ 122/122 [00:27<00:00, 4.39it/s]
430		Class	Images	Instances	Box(P R)		mAP50 mAP50-95): 100% ██████████ 21/21 [00:06<00:00, 3.39it/s]
431		all	1300	1580	0.886	0.837	0.892 0.55
432							
433	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
434	78/300	3.95G	1.274	0.8952	1.321	67	640: 100% ██████████ 122/122 [00:27<00:00, 4.37it/s]
435		Class	Images	Instances	Box(P R)		mAP50 mAP50-95): 100% ██████████ 21/21 [00:06<00:00, 3.38it/s]
436		all	1300	1580	0.882	0.835	0.892 0.555
437							
438	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
439	79/300	3.98G	1.279	0.9023	1.343	75	640: 100% ██████████ 122/122 [00:27<00:00, 4.38it/s]
440		Class	Images	Instances	Box(P R)		mAP50 mAP50-95): 100% ██████████ 21/21 [00:06<00:00, 3.34it/s]
441		all	1300	1580	0.889	0.831	0.894 0.551
442	0%	0/122 [00:00:<?, ?it/s]					
443	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
444	80/300	3.98G	1.261	0.897	1.315	55	640: 100% ██████████ 122/122 [00:27<00:00, 4.37it/s]
445		Class	Images	Instances	Box(P R)		mAP50 mAP50-95): 100% ██████████ 21/21 [00:06<00:00, 3.30it/s]
446		all	1300	1580	0.897	0.84	0.899 0.555
447							
448	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
449	81/300	3.99G	1.271	0.9047	1.327	70	640: 100% ██████████ 122/122 [00:27<00:00, 4.39it/s]
450		Class	Images	Instances	Box(P R)		mAP50 mAP50-95): 100% ██████████ 21/21 [00:06<00:00, 3.37it/s]
451		all	1300	1580	0.883	0.855	0.901 0.563
452							
453	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
454	82/300	3.98G	1.251	0.8709	1.314	65	640: 100% ██████████ 122/122 [00:28<00:00, 4.31it/s]
455		Class	Images	Instances	Box(P R)		mAP50 mAP50-95): 100% ██████████ 21/21 [00:08<00:00, 2.46it/s]
456		all	1300	1580	0.886	0.837	0.9 0.565
457	0%	0/122 [00:00:<?, ?it/s]					
458	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
459	83/300	3.98G	1.266	0.8843	1.318	82	640: 100% ██████████ 122/122 [00:30<00:00, 3.99it/s]
460		Class	Images	Instances	Box(P R)		mAP50 mAP50-95): 100% ██████████ 21/21 [00:07<00:00, 2.86it/s]
461		all	1300	1580	0.885	0.838	0.899 0.56
462							
463	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
464	84/300	3.98G	1.27	0.8881	1.314	67	640: 100% ██████████ 122/122 [00:29<00:00, 4.11it/s]
465		Class	Images	Instances	Box(P R)		mAP50 mAP50-95): 100% ██████████ 21/21 [00:07<00:00, 2.89it/s]
466		all	1300	1580	0.898	0.843	0.898 0.564
467	0%	0/122 [00:00:<?, ?it/s]					
468	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
469	85/300	3.99G	1.261	0.8782	1.324	72	640: 100% ██████████ 122/122 [00:29<00:00, 4.12it/s]
470		Class	Images	Instances	Box(P R)		mAP50 mAP50-95): 100% ██████████ 21/21 [00:07<00:00, 2.90it/s]
471		all	1300	1580	0.886	0.875	0.91 0.569
472	0%	0/122 [00:00:<?, ?it/s]					
473	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
474	86/300	3.98G	1.242	0.8806	1.316	66	640: 100% ██████████ 122/122 [00:29<00:00, 4.10it/s]
475		Class	Images	Instances	Box(P R)		mAP50 mAP50-95): 100% ██████████ 21/21 [00:07<00:00, 2.89it/s]
476		all	1300	1580	0.893	0.843	0.905 0.567

File - train

477
478 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
479 87/300 3.98G 1.249 0.8684 1.314 46 640: 100% [██████] 122/122 [00:29<00:00, 4.13it/s]
480 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] 21/21 [00:07<00:00, 2.91it/s]
481 all 1300 1580 0.9 0.837 0.903 0.564
482
483 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
484 88/300 3.98G 1.25 0.8655 1.307 70 640: 100% [██████] 122/122 [00:29<00:00, 4.11it/s]
485 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] 21/21 [00:07<00:00, 2.90it/s]
486 all 1300 1580 0.88 0.864 0.907 0.57
487 0% | 0/122 [00:00<?, ?it/s] | 0/122 [00:00<?, ?it/s] | 0/122 [00:00<?, ?it/s]
488 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
489 89/300 3.95G 1.232 0.8508 1.3 71 640: 100% [██████] 122/122 [00:29<00:00, 4.12it/s]
490 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] 21/21 [00:07<00:00, 2.84it/s]
491 all 1300 1580 0.899 0.845 0.904 0.571
492
493 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
494 90/300 3.98G 1.239 0.856 1.3 58 640: 100% [██████] 122/122 [00:29<00:00, 4.12it/s]
495 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] 21/21 [00:07<00:00, 2.86it/s]
496 all 1300 1580 0.886 0.858 0.902 0.571
497 0% | 0/122 [00:00<?, ?it/s] | 0/122 [00:00<?, ?it/s] | 0/122 [00:00<?, ?it/s]
498 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
499 91/300 4.01G 1.223 0.8351 1.289 80 640: 100% [██████] 122/122 [00:29<00:00, 4.09it/s]
500 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] 21/21 [00:07<00:00, 2.89it/s]
501 all 1300 1580 0.905 0.866 0.909 0.576
502 0% | 0/122 [00:00<?, ?it/s] | 0/122 [00:00<?, ?it/s] | 0/122 [00:00<?, ?it/s]
503 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
504 92/300 3.77G 1.233 0.8668 1.31 57 640: 100% [██████] 122/122 [00:29<00:00, 4.11it/s]
505 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] 21/21 [00:07<00:00, 2.90it/s]
506 all 1300 1580 0.915 0.848 0.907 0.576
507
508 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
509 93/300 3.78G 1.227 0.8388 1.294 65 640: 100% [██████] 122/122 [00:30<00:00, 4.05it/s]
510 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] 21/21 [00:07<00:00, 2.82it/s]
511 all 1300 1580 0.907 0.851 0.909 0.575
512 0% | 0/122 [00:00<?, ?it/s] | 0/122 [00:00<?, ?it/s] | 0/122 [00:00<?, ?it/s]
513 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
514 94/300 3.79G 1.224 0.8389 1.295 63 640: 100% [██████] 122/122 [00:30<00:00, 3.98it/s]
515 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] 21/21 [00:07<00:00, 2.84it/s]
516 all 1300 1580 0.914 0.846 0.909 0.577
517 0% | 0/122 [00:00<?, ?it/s] | 0/122 [00:00<?, ?it/s] | 0/122 [00:00<?, ?it/s]
518 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
519 95/300 3.79G 1.217 0.8261 1.281 66 640: 100% [██████] 122/122 [00:30<00:00, 4.00it/s]
520 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] 21/21 [00:07<00:00, 2.66it/s]
521 all 1300 1580 0.908 0.842 0.913 0.582
522 0% | 0/122 [00:00<?, ?it/s] | 0/122 [00:00<?, ?it/s] | 0/122 [00:00<?, ?it/s]
523 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
524 96/300 3.79G 1.214 0.8352 1.286 67 640: 100% [██████] 122/122 [00:30<00:00, 3.99it/s]
525 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] 21/21 [00:07<00:00, 2.81it/s]
526 all 1300 1580 0.901 0.851 0.907 0.574
527
528 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
529 97/300 3.79G 1.217 0.8368 1.289 54 640: 100% [██████] 122/122 [00:30<00:00, 4.00it/s]
530 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] 21/21 [00:08<00:00, 2.61it/s]
531 all 1300 1580 0.915 0.857 0.909 0.58
532 0% | 0/122 [00:00<?, ?it/s] | 0/122 [00:00<?, ?it/s] | 0/122 [00:00<?, ?it/s]
533 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
534 98/300 3.79G 1.219 0.8309 1.288 69 640: 100% [██████] 122/122 [00:30<00:00, 3.98it/s]
535 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] 21/21 [00:07<00:00, 2.73it/s]
536 all 1300 1580 0.92 0.843 0.915 0.582
537
538 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
539 99/300 3.79G 1.205 0.8176 1.283 59 640: 100% [██████] 122/122 [00:29<00:00, 4.13it/s]
540 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] 21/21 [00:06<00:00, 3.02it/s]
541 all 1300 1580 0.889 0.873 0.918 0.589
542 0% | 0/122 [00:00<?, ?it/s] | 0/122 [00:00<?, ?it/s] | 0/122 [00:00<?, ?it/s]
543 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
544 100/300 3.79G 1.222 0.8309 1.292 71 640: 100% [██████] 122/122 [00:28<00:00, 4.21it/s]
545 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] 21/21 [00:06<00:00, 3.22it/s]
546 all 1300 1580 0.906 0.847 0.91 0.58
547
548 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
549 101/300 3.79G 1.219 0.8331 1.283 65 640: 100% [██████] 122/122 [00:28<00:00, 4.25it/s]
550 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] 21/21 [00:06<00:00, 3.26it/s]
551 all 1300 1580 0.904 0.871 0.92 0.591
552
553 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
554 102/300 3.79G 1.196 0.8092 1.273 65 640: 100% [██████] 122/122 [00:28<00:00, 4.31it/s]
555 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] 21/21 [00:06<00:00, 3.19it/s]
556 all 1300 1580 0.896 0.874 0.917 0.588
557 0% | 0/122 [00:00<?, ?it/s] | 0/122 [00:00<?, ?it/s] | 0/122 [00:00<?, ?it/s]
558 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
559 103/300 3.79G 1.197 0.8081 1.275 69 640: 100% [██████] 122/122 [00:30<00:00, 4.00it/s]
560 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] 21/21 [00:07<00:00, 2.75it/s]
561 all 1300 1580 0.925 0.86 0.918 0.586
562
563 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
564 104/300 3.79G 1.209 0.8151 1.279 67 640: 100% [██████] 122/122 [00:31<00:00, 3.93it/s]
565 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] 21/21 [00:08<00:00, 2.61it/s]
566 all 1300 1580 0.918 0.873 0.919 0.589
567 0% | 0/122 [00:00<?, ?it/s] | 0/122 [00:00<?, ?it/s] | 0/122 [00:00<?, ?it/s]
568 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
569 105/300 3.79G 1.202 0.8024 1.269 71 640: 100% [██████] 122/122 [00:30<00:00, 4.06it/s]
570 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] 21/21 [00:08<00:00, 2.54it/s]
571 all 1300 1580 0.911 0.884 0.927 0.595
572
573 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
574 106/300 3.79G 1.201 0.8149 1.271 80 640: 100% [██████] 122/122 [00:30<00:00, 3.97it/s]
575 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] 21/21 [00:07<00:00, 2.70it/s]
576 all 1300 1580 0.909 0.846 0.912 0.583
577
578 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
579 107/300 3.79G 1.189 0.8029 1.266 67 640: 100% [██████] 122/122 [00:30<00:00, 3.95it/s]
580 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] 21/21 [00:08<00:00, 2.61it/s]
581 all 1300 1580 0.929 0.857 0.922 0.59
582
583 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
584 108/300 3.79G 1.191 0.8097 1.259 65 640: 100% [██████] 122/122 [00:31<00:00, 3.93it/s]
585 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] 21/21 [00:07<00:00, 2.70it/s]
586 all 1300 1580 0.916 0.874 0.923 0.596
587 0% | 0/122 [00:00<?, ?it/s] | 0/122 [00:00<?, ?it/s] | 0/122 [00:00<?, ?it/s]
588 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
589 109/300 3.79G 1.193 0.7985 1.262 68 640: 100% [██████] 122/122 [00:30<00:00, 3.94it/s]
590 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] 21/21 [00:07<00:00, 2.78it/s]
591 all 1300 1580 0.908 0.87 0.92 0.597
592 0% | 0/122 [00:00<?, ?it/s] | 0/122 [00:00<?, ?it/s] | 0/122 [00:00<?, ?it/s]
593 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
594 110/300 3.79G 1.194 0.8022 1.257 78 640: 100% [██████] 122/122 [00:30<00:00, 4.03it/s]
595 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] 21/21 [00:07<00:00, 2.80it/s]

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		all	1300	1580	0.909	0.881	0.922	0.593
596								
597								
598	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size	
599	111/300	3.796	1.185	0.7926	1.262	62	640: 100% [██████] 122/122 [00:30<00:00, 4.04it/s]	
600		Class	Images	Instances	Box(P	R	mAP50 mAP50-95): 100% [██████] 21/21 [00:07<00:00, 2.71it/s]	
601		all	1300	1580	0.912	0.876	0.921 0.597	
602	0%	0/122 [00:00<?, ?it/s]						
603	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size	
604	112/300	3.796	1.183	0.794	1.258	71	640: 100% [██████] 122/122 [00:30<00:00, 4.03it/s]	
605		Class	Images	Instances	Box(P	R	mAP50 mAP50-95): 100% [██████] 21/21 [00:07<00:00, 2.77it/s]	
606		all	1300	1580	0.9	0.878	0.92 0.591	
607	0%	0/122 [00:00<?, ?it/s]						
608	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size	
609	113/300	3.796	1.178	0.7794	1.26	64	640: 100% [██████] 122/122 [00:30<00:00, 4.03it/s]	
610		Class	Images	Instances	Box(P	R	mAP50 mAP50-95): 100% [██████] 21/21 [00:07<00:00, 2.75it/s]	
611		all	1300	1580	0.921	0.88	0.926 0.592	
612	0%	0/122 [00:00<?, ?it/s]						
613	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size	
614	114/300	3.796	1.182	0.7916	1.259	68	640: 100% [██████] 122/122 [00:30<00:00, 4.03it/s]	
615		Class	Images	Instances	Box(P	R	mAP50 mAP50-95): 100% [██████] 21/21 [00:07<00:00, 2.71it/s]	
616		all	1300	1580	0.917	0.871	0.923 0.593	
617	0%	0/122 [00:00<?, ?it/s]						
618	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size	
619	115/300	3.796	1.184	0.7805	1.259	63	640: 100% [██████] 122/122 [00:30<00:00, 4.01it/s]	
620		Class	Images	Instances	Box(P	R	mAP50 mAP50-95): 100% [██████] 21/21 [00:07<00:00, 2.75it/s]	
621		all	1300	1580	0.917	0.86	0.917 0.59	
622								
623	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size	
624	116/300	3.796	1.172	0.7728	1.255	69	640: 100% [██████] 122/122 [00:30<00:00, 4.03it/s]	
625		Class	Images	Instances	Box(P	R	mAP50 mAP50-95): 100% [██████] 21/21 [00:07<00:00, 2.72it/s]	
626		all	1300	1580	0.905	0.871	0.922 0.596	
627								
628	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size	
629	117/300	3.796	1.164	0.7791	1.257	58	640: 100% [██████] 122/122 [00:30<00:00, 4.03it/s]	
630		Class	Images	Instances	Box(P	R	mAP50 mAP50-95): 100% [██████] 21/21 [00:07<00:00, 2.80it/s]	
631		all	1300	1580	0.903	0.888	0.927 0.6	
632								
633	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size	
634	118/300	3.796	1.164	0.7696	1.238	62	640: 100% [██████] 122/122 [00:30<00:00, 4.01it/s]	
635		Class	Images	Instances	Box(P	R	mAP50 mAP50-95): 100% [██████] 21/21 [00:08<00:00, 2.54it/s]	
636		all	1300	1580	0.914	0.872	0.925 0.599	
637	0%	0/122 [00:00<?, ?it/s]						
638	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size	
639	119/300	3.796	1.158	0.7683	1.236	71	640: 100% [██████] 122/122 [00:32<00:00, 3.70it/s]	
640		Class	Images	Instances	Box(P	R	mAP50 mAP50-95): 100% [██████] 21/21 [00:09<00:00, 2.17it/s]	
641		all	1300	1580	0.911	0.878	0.924 0.599	
642	0%	0/122 [00:00<?, ?it/s]						
643	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size	
644	120/300	3.796	1.163	0.7671	1.24	59	640: 100% [██████] 122/122 [00:31<00:00, 3.84it/s]	
645		Class	Images	Instances	Box(P	R	mAP50 mAP50-95): 100% [██████] 21/21 [00:09<00:00, 2.22it/s]	
646		all	1300	1580	0.925	0.86	0.919 0.595	
647	0%	0/122 [00:00<?, ?it/s]						
648	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size	
649	121/300	3.796	1.158	0.7646	1.239	65	640: 100% [██████] 122/122 [00:32<00:00, 3.73it/s]	
650		Class	Images	Instances	Box(P	R	mAP50 mAP50-95): 100% [██████] 21/21 [00:09<00:00, 2.13it/s]	
651		all	1300	1580	0.92	0.865	0.919 0.596	
652								
653	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size	
654	122/300	3.796	1.15	0.7554	1.236	50	640: 100% [██████] 122/122 [00:31<00:00, 3.90it/s]	
655		Class	Images	Instances	Box(P	R	mAP50 mAP50-95): 100% [██████] 21/21 [00:07<00:00, 2.80it/s]	
656		all	1300	1580	0.92	0.872	0.923 0.598	
657								
658	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size	
659	123/300	3.796	1.154	0.7675	1.242	60	640: 100% [██████] 122/122 [00:31<00:00, 3.87it/s]	
660		Class	Images	Instances	Box(P	R	mAP50 mAP50-95): 100% [██████] 21/21 [00:09<00:00, 2.18it/s]	
661		all	1300	1580	0.911	0.865	0.917 0.595	
662								
663	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size	
664	124/300	3.796	1.156	0.7579	1.237	74	640: 100% [██████] 122/122 [00:33<00:00, 3.66it/s]	
665		Class	Images	Instances	Box(P	R	mAP50 mAP50-95): 100% [██████] 21/21 [00:08<00:00, 2.41it/s]	
666		all	1300	1580	0.9	0.879	0.918 0.594	
667								
668	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size	
669	125/300	3.796	1.15	0.7536	1.239	73	640: 100% [██████] 122/122 [00:31<00:00, 3.87it/s]	
670		Class	Images	Instances	Box(P	R	mAP50 mAP50-95): 100% [██████] 21/21 [00:07<00:00, 2.67it/s]	
671		all	1300	1580	0.916	0.874	0.924 0.6	
672								
673	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size	
674	126/300	3.796	1.15	0.7528	1.239	73	640: 100% [██████] 122/122 [00:30<00:00, 4.03it/s]	
675		Class	Images	Instances	Box(P	R	mAP50 mAP50-95): 100% [██████] 21/21 [00:07<00:00, 2.70it/s]	
676		all	1300	1580	0.918	0.88	0.923 0.603	
677								
678	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size	
679	127/300	3.796	1.137	0.7481	1.229	50	640: 100% [██████] 122/122 [00:30<00:00, 3.98it/s]	
680		Class	Images	Instances	Box(P	R	mAP50 mAP50-95): 100% [██████] 21/21 [00:07<00:00, 2.64it/s]	
681		all	1300	1580	0.913	0.873	0.923 0.599	
682	0%	0/122 [00:00<?, ?it/s]						
683	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size	
684	128/300	3.796	1.141	0.7271	1.226	64	640: 100% [██████] 122/122 [00:31<00:00, 3.86it/s]	
685		Class	Images	Instances	Box(P	R	mAP50 mAP50-95): 100% [██████] 21/21 [00:09<00:00, 2.30it/s]	
686		all	1300	1580	0.918	0.874	0.921 0.598	
687								
688	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size	
689	129/300	3.796	1.146	0.7462	1.232	46	640: 100% [██████] 122/122 [00:32<00:00, 3.79it/s]	
690		Class	Images	Instances	Box(P	R	mAP50 mAP50-95): 100% [██████] 21/21 [00:08<00:00, 2.52it/s]	
691		all	1300	1580	0.923	0.874	0.927 0.605	
692	0%	0/122 [00:00<?, ?it/s]						
693	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size	
694	130/300	3.796	1.149	0.7424	1.236	64	640: 100% [██████] 122/122 [00:31<00:00, 3.84it/s]	
695		Class	Images	Instances	Box(P	R	mAP50 mAP50-95): 100% [██████] 21/21 [00:07<00:00, 2.64it/s]	
696		all	1300	1580	0.919	0.87	0.926 0.601	
697								
698	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size	
699	131/300	3.796	1.148	0.7462	1.221	61	640: 100% [██████] 122/122 [00:30<00:00, 4.04it/s]	
700		Class	Images	Instances	Box(P	R	mAP50 mAP50-95): 100% [██████] 21/21 [00:06<00:00, 3.18it/s]	
701		all	1300	1580	0.905	0.886	0.925 0.603	
702	0%	0/122 [00:00<?, ?it/s]						
703	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size	
704	132/300	3.796	1.151	0.7511	1.233	69	640: 100% [██████] 122/122 [00:28<00:00, 4.22it/s]	
705		Class	Images	Instances	Box(P	R	mAP50 mAP50-95): 100% [██████] 21/21 [00:06<00:00, 3.19it/s]	
706		all	1300	1580	0.912	0.885	0.928 0.605	
707	0%	0/122 [00:00<?, ?it/s]						
708	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size	
709	133/300	3.796	1.131	0.7347	1.221	65	640: 100% [██████] 122/122 [00:28<00:00, 4.23it/s]	
710		Class	Images	Instances	Box(P	R	mAP50 mAP50-95): 100% [██████] 21/21 [00:06<00:00, 3.15it/s]	
711		all	1300	1580	0.924	0.882	0.931 0.605	
712	0%	0/122 [00:00<?, ?it/s]						
713	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size	
714	134/300	3.796	1.123	0.7387	1.215	52	640: 100% [██████] 122/122 [00:29<00:00, 4.19it/s]	

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715 Class Images Instances Box(P R mAP50 mAP50-95): 100% | 21/21 [00:09<00:00, 2.32it/s]
 716 all 1300 1580 0.916 0.882 0.931 0.605
 717
 718 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 719 135/300 3.79G 1.128 0.7387 1.222 78 640: 100% | 122/122 [00:31<00:00, 3.88it/s]
 720 Class Images Instances Box(P R mAP50 mAP50-95): 100% | 21/21 [00:09<00:00, 2.16it/s]
 721 all 1300 1580 0.924 0.875 0.931 0.603
 722
 723 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 724 136/300 3.79G 1.129 0.7299 1.225 64 640: 100% | 122/122 [00:32<00:00, 3.74it/s]
 725 Class Images Instances Box(P R mAP50 mAP50-95): 100% | 21/21 [00:09<00:00, 2.23it/s]
 726 all 1300 1580 0.922 0.885 0.931 0.603
 727 0%| | 0/122 [00:00<?, ?it/s]
 728 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 729 137/300 3.79G 1.13 0.7349 1.217 58 640: 100% | 122/122 [00:32<00:00, 3.80it/s]
 730 Class Images Instances Box(P R mAP50 mAP50-95): 100% | 21/21 [00:09<00:00, 2.22it/s]
 731 all 1300 1580 0.93 0.88 0.933 0.606
 732
 733 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 734 138/300 3.79G 1.117 0.7228 1.223 76 640: 100% | 122/122 [00:32<00:00, 3.81it/s]
 735 Class Images Instances Box(P R mAP50 mAP50-95): 100% | 21/21 [00:09<00:00, 2.29it/s]
 736 all 1300 1580 0.921 0.886 0.93 0.606
 737 0%| | 0/122 [00:00<?, ?it/s]
 738 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 739 139/300 3.79G 1.123 0.7171 1.223 80 640: 100% | 122/122 [00:28<00:00, 4.27it/s]
 740 Class Images Instances Box(P R mAP50 mAP50-95): 100% | 21/21 [00:06<00:00, 3.19it/s]
 741 all 1300 1580 0.913 0.899 0.929 0.607
 742 0%| | 0/122 [00:00<?, ?it/s]
 743 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 744 140/300 3.79G 1.119 0.7177 1.206 65 640: 100% | 122/122 [00:28<00:00, 4.30it/s]
 745 Class Images Instances Box(P R mAP50 mAP50-95): 100% | 21/21 [00:06<00:00, 3.26it/s]
 746 all 1300 1580 0.91 0.887 0.928 0.606
 747
 748 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 749 141/300 3.79G 1.123 0.7093 1.217 63 640: 100% | 122/122 [00:28<00:00, 4.32it/s]
 750 Class Images Instances Box(P R mAP50 mAP50-95): 100% | 21/21 [00:06<00:00, 3.22it/s]
 751 all 1300 1580 0.923 0.873 0.927 0.609
 752
 753 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 754 142/300 3.79G 1.11 0.7197 1.211 66 640: 100% | 122/122 [00:28<00:00, 4.29it/s]
 755 Class Images Instances Box(P R mAP50 mAP50-95): 100% | 21/21 [00:06<00:00, 3.23it/s]
 756 all 1300 1580 0.924 0.888 0.932 0.61
 757 0%| | 0/122 [00:00<?, ?it/s]
 758 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 759 143/300 3.79G 1.115 0.711 1.203 80 640: 100% | 122/122 [00:28<00:00, 4.33it/s]
 760 Class Images Instances Box(P R mAP50 mAP50-95): 100% | 21/21 [00:06<00:00, 3.27it/s]
 761 all 1300 1580 0.927 0.877 0.93 0.608
 762 0%| | 0/122 [00:00<?, ?it/s]
 763 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 764 144/300 3.79G 1.112 0.7131 1.21 56 640: 100% | 122/122 [00:28<00:00, 4.32it/s]
 765 Class Images Instances Box(P R mAP50 mAP50-95): 100% | 21/21 [00:06<00:00, 3.23it/s]
 766 all 1300 1580 0.924 0.883 0.929 0.606
 767 0%| | 0/122 [00:00<?, ?it/s]
 768 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 769 145/300 3.79G 1.108 0.7139 1.206 77 640: 100% | 122/122 [00:28<00:00, 4.30it/s]
 770 Class Images Instances Box(P R mAP50 mAP50-95): 100% | 21/21 [00:06<00:00, 3.22it/s]
 771 all 1300 1580 0.932 0.874 0.928 0.605
 772 0%| | 0/122 [00:00<?, ?it/s]
 773 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 774 146/300 3.79G 1.105 0.7096 1.208 75 640: 100% | 122/122 [00:30<00:00, 3.97it/s]
 775 Class Images Instances Box(P R mAP50 mAP50-95): 100% | 21/21 [00:06<00:00, 3.17it/s]
 776 all 1300 1580 0.939 0.884 0.934 0.606
 777
 778 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 779 147/300 3.79G 1.105 0.7018 1.202 75 640: 100% | 122/122 [00:28<00:00, 4.33it/s]
 780 Class Images Instances Box(P R mAP50 mAP50-95): 100% | 21/21 [00:06<00:00, 3.25it/s]
 781 all 1300 1580 0.925 0.88 0.927 0.605
 782
 783 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 784 148/300 3.79G 1.089 0.7034 1.194 73 640: 100% | 122/122 [00:28<00:00, 4.28it/s]
 785 Class Images Instances Box(P R mAP50 mAP50-95): 100% | 21/21 [00:06<00:00, 3.24it/s]
 786 all 1300 1580 0.921 0.882 0.928 0.607
 787 0%| | 0/122 [00:00<?, ?it/s]
 788 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 789 149/300 3.79G 1.106 0.7058 1.207 62 640: 100% | 122/122 [00:28<00:00, 4.32it/s]
 790 Class Images Instances Box(P R mAP50 mAP50-95): 100% | 21/21 [00:06<00:00, 3.20it/s]
 791 all 1300 1580 0.917 0.881 0.929 0.608
 792
 793 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 794 150/300 3.79G 1.107 0.6996 1.203 64 640: 100% | 122/122 [00:28<00:00, 4.30it/s]
 795 Class Images Instances Box(P R mAP50 mAP50-95): 100% | 21/21 [00:06<00:00, 3.26it/s]
 796 all 1300 1580 0.924 0.887 0.931 0.612
 797 0%| | 0/122 [00:00<?, ?it/s]
 798 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 799 151/300 3.79G 1.112 0.7029 1.203 73 640: 100% | 122/122 [00:28<00:00, 4.31it/s]
 800 Class Images Instances Box(P R mAP50 mAP50-95): 100% | 21/21 [00:06<00:00, 3.26it/s]
 801 all 1300 1580 0.93 0.878 0.929 0.611
 802
 803 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 804 152/300 3.79G 1.094 0.6939 1.192 82 640: 100% | 122/122 [00:28<00:00, 4.33it/s]
 805 Class Images Instances Box(P R mAP50 mAP50-95): 100% | 21/21 [00:06<00:00, 3.30it/s]
 806 all 1300 1580 0.929 0.882 0.932 0.612
 807 0%| | 0/122 [00:00<?, ?it/s]
 808 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 809 153/300 3.79G 1.093 0.6913 1.194 54 640: 100% | 122/122 [00:28<00:00, 4.30it/s]
 810 Class Images Instances Box(P R mAP50 mAP50-95): 100% | 21/21 [00:07<00:00, 2.87it/s]
 811 all 1300 1580 0.92 0.889 0.932 0.615
 812 0%| | 0/122 [00:00<?, ?it/s]
 813 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 814 154/300 3.79G 1.092 0.7002 1.194 53 640: 100% | 122/122 [00:29<00:00, 4.14it/s]
 815 Class Images Instances Box(P R mAP50 mAP50-95): 100% | 21/21 [00:07<00:00, 2.87it/s]
 816 all 1300 1580 0.933 0.889 0.933 0.613
 817 0%| | 0/122 [00:00<?, ?it/s]
 818 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 819 155/300 3.79G 1.083 0.6855 1.188 60 640: 100% | 122/122 [00:29<00:00, 4.12it/s]
 820 Class Images Instances Box(P R mAP50 mAP50-95): 100% | 21/21 [00:07<00:00, 2.91it/s]
 821 all 1300 1580 0.936 0.883 0.934 0.614
 822 0%| | 0/122 [00:00<?, ?it/s]
 823 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 824 156/300 3.79G 1.089 0.6913 1.19 61 640: 100% | 122/122 [00:29<00:00, 4.12it/s]
 825 Class Images Instances Box(P R mAP50 mAP50-95): 100% | 21/21 [00:07<00:00, 2.89it/s]
 826 all 1300 1580 0.934 0.873 0.932 0.615
 827 0%| | 0/122 [00:00<?, ?it/s]
 828 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 829 157/300 3.79G 1.093 0.6886 1.19 73 640: 100% | 122/122 [00:29<00:00, 4.14it/s]
 830 Class Images Instances Box(P R mAP50 mAP50-95): 100% | 21/21 [00:07<00:00, 2.84it/s]
 831 all 1300 1580 0.923 0.893 0.935 0.613
 832 0%| | 0/122 [00:00<?, ?it/s]
 833 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size

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834 158/300 3.796 1.081 0.698 1.186 68 640: 100% [██████] 122/122 [00:29<00:00, 4.13it/s]
 835 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] 21/21 [00:07<00:00, 2.87it/s]
 836 all 1300 1580 0.919 0.891 0.929 0.611
 837 0% | 0/122 [00:00<?, ?it/s]
 838 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 839 159/300 3.796 1.073 0.672 1.181 74 640: 100% [██████] 122/122 [00:29<00:00, 4.10it/s]
 840 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] 21/21 [00:07<00:00, 2.92it/s]
 841 all 1300 1580 0.934 0.888 0.934 0.613
 842
 843 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 844 160/300 3.796 1.086 0.678 1.185 75 640: 100% [██████] 122/122 [00:29<00:00, 4.13it/s]
 845 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] 21/21 [00:07<00:00, 2.88it/s]
 846 all 1300 1580 0.931 0.886 0.933 0.616
 847
 848 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 849 161/300 3.796 1.07 0.6778 1.19 86 640: 100% [██████] 122/122 [00:29<00:00, 4.10it/s]
 850 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] 21/21 [00:07<00:00, 2.89it/s]
 851 all 1300 1580 0.933 0.891 0.935 0.616
 852 0% | 0/122 [00:00<?, ?it/s]
 853 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 854 162/300 3.796 1.064 0.6714 1.179 70 640: 100% [██████] 122/122 [00:29<00:00, 4.12it/s]
 855 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] 21/21 [00:07<00:00, 2.89it/s]
 856 all 1300 1580 0.924 0.894 0.934 0.613
 857 0% | 0/122 [00:00<?, ?it/s]
 858 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 859 163/300 3.796 1.084 0.6865 1.182 63 640: 100% [██████] 122/122 [00:29<00:00, 4.16it/s]
 860 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] 21/21 [00:07<00:00, 2.92it/s]
 861 all 1300 1580 0.921 0.9 0.934 0.616
 862
 863 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 864 164/300 3.796 1.062 0.6638 1.164 69 640: 100% [██████] 122/122 [00:29<00:00, 4.13it/s]
 865 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] 21/21 [00:07<00:00, 2.89it/s]
 866 all 1300 1580 0.927 0.891 0.933 0.614
 867 0% | 0/122 [00:00<?, ?it/s]
 868 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 869 165/300 3.796 1.083 0.6716 1.185 58 640: 100% [██████] 122/122 [00:29<00:00, 4.10it/s]
 870 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] 21/21 [00:07<00:00, 2.91it/s]
 871 all 1300 1580 0.927 0.892 0.931 0.613
 872 0% | 0/122 [00:00<?, ?it/s]
 873 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 874 166/300 3.796 1.07 0.6778 1.18 75 640: 100% [██████] 122/122 [00:29<00:00, 4.12it/s]
 875 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] 21/21 [00:07<00:00, 2.90it/s]
 876 all 1300 1580 0.925 0.892 0.932 0.616
 877 0% | 0/122 [00:00<?, ?it/s]
 878 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 879 167/300 3.796 1.063 0.6608 1.172 56 640: 100% [██████] 122/122 [00:29<00:00, 4.15it/s]
 880 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] 21/21 [00:07<00:00, 2.87it/s]
 881 all 1300 1580 0.929 0.889 0.931 0.616
 882
 883 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 884 168/300 3.796 1.067 0.6794 1.174 70 640: 100% [██████] 122/122 [00:29<00:00, 4.10it/s]
 885 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] 21/21 [00:07<00:00, 2.88it/s]
 886 all 1300 1580 0.93 0.892 0.931 0.615
 887 0% | 0/122 [00:00<?, ?it/s]
 888 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 889 169/300 3.796 1.062 0.6688 1.172 62 640: 100% [██████] 122/122 [00:29<00:00, 4.13it/s]
 890 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] 21/21 [00:07<00:00, 2.88it/s]
 891 all 1300 1580 0.928 0.892 0.932 0.613
 892
 893 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 894 170/300 3.796 1.065 0.6723 1.17 76 640: 100% [██████] 122/122 [00:29<00:00, 4.12it/s]
 895 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] 21/21 [00:07<00:00, 2.85it/s]
 896 all 1300 1580 0.932 0.893 0.934 0.614
 897 0% | 0/122 [00:00<?, ?it/s]
 898 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 899 171/300 3.796 1.066 0.6644 1.173 71 640: 100% [██████] 122/122 [00:29<00:00, 4.15it/s]
 900 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] 21/21 [00:07<00:00, 2.88it/s]
 901 all 1300 1580 0.931 0.891 0.935 0.615
 902 0% | 0/122 [00:00<?, ?it/s]
 903 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 904 172/300 3.796 1.051 0.6672 1.169 57 640: 100% [██████] 122/122 [00:29<00:00, 4.13it/s]
 905 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] 21/21 [00:07<00:00, 2.88it/s]
 906 all 1300 1580 0.934 0.885 0.936 0.616
 907
 908 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 909 173/300 3.796 1.052 0.6515 1.162 74 640: 100% [██████] 122/122 [00:29<00:00, 4.14it/s]
 910 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] 21/21 [00:07<00:00, 2.87it/s]
 911 all 1300 1580 0.932 0.889 0.935 0.618
 912 0% | 0/122 [00:00<?, ?it/s]
 913 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 914 174/300 3.796 1.05 0.6588 1.164 90 640: 100% [██████] 122/122 [00:29<00:00, 4.14it/s]
 915 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] 21/21 [00:07<00:00, 2.88it/s]
 916 all 1300 1580 0.929 0.895 0.939 0.617
 917 0% | 0/122 [00:00<?, ?it/s]
 918 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 919 175/300 3.796 1.062 0.6701 1.169 85 640: 100% [██████] 122/122 [00:29<00:00, 4.12it/s]
 920 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] 21/21 [00:07<00:00, 2.93it/s]
 921 all 1300 1580 0.931 0.894 0.939 0.617
 922
 923 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 924 176/300 3.796 1.047 0.6474 1.159 75 640: 100% [██████] 122/122 [00:29<00:00, 4.15it/s]
 925 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] 21/21 [00:07<00:00, 2.85it/s]
 926 all 1300 1580 0.937 0.888 0.939 0.618
 927 0% | 0/122 [00:00<?, ?it/s]
 928 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 929 177/300 3.796 1.052 0.6624 1.17 74 640: 100% [██████] 122/122 [00:29<00:00, 4.15it/s]
 930 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] 21/21 [00:07<00:00, 2.91it/s]
 931 all 1300 1580 0.93 0.895 0.939 0.619
 932 0% | 0/122 [00:00<?, ?it/s]
 933 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 934 178/300 3.796 1.047 0.6451 1.16 75 640: 100% [██████] 122/122 [00:29<00:00, 4.15it/s]
 935 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] 21/21 [00:07<00:00, 2.84it/s]
 936 all 1300 1580 0.928 0.894 0.937 0.62
 937 0% | 0/122 [00:00<?, ?it/s]
 938 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 939 179/300 3.796 1.052 0.6534 1.162 73 640: 100% [██████] 122/122 [00:29<00:00, 4.13it/s]
 940 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] 21/21 [00:07<00:00, 2.88it/s]
 941 all 1300 1580 0.934 0.889 0.937 0.619
 942 0% | 0/122 [00:00<?, ?it/s]
 943 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 944 180/300 3.796 1.047 0.6541 1.171 79 640: 100% [██████] 122/122 [00:29<00:00, 4.14it/s]
 945 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] 21/21 [00:07<00:00, 2.89it/s]
 946 all 1300 1580 0.937 0.895 0.938 0.621
 947
 948 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 949 181/300 3.796 1.044 0.6396 1.156 84 640: 100% [██████] 122/122 [00:29<00:00, 4.14it/s]
 950 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] 21/21 [00:07<00:00, 2.89it/s]
 951 all 1300 1580 0.94 0.89 0.939 0.618
 952 0% | 0/122 [00:00<?, ?it/s]

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	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
953	182/300	3.796	1.045	0.6472	1.154	71	640: 100% ██████████ 122/122 [00:29<00:00, 4.12it/s]
954		Class	Images	Instances	Box(P R)		mAP50 mAP50-95): 100% ██████████ 21/21 [00:07<00:00, 2.88it/s]
955		all	1300	1580	0.945	0.884	0.938 0.618
956	0%	0/122 [00:00<?, ?it/s]					
957	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
958	183/300	3.796	1.038	0.6365	1.154	69	640: 100% ██████████ 122/122 [00:29<00:00, 4.12it/s]
959		Class	Images	Instances	Box(P R)		mAP50 mAP50-95): 100% ██████████ 21/21 [00:07<00:00, 2.92it/s]
960		all	1300	1580	0.943	0.884	0.936 0.617
961	962						
963	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
964	184/300	3.796	1.04	0.6394	1.154	63	640: 100% ██████████ 122/122 [00:29<00:00, 4.14it/s]
965		Class	Images	Instances	Box(P R)		mAP50 mAP50-95): 100% ██████████ 21/21 [00:07<00:00, 2.88it/s]
966		all	1300	1580	0.94	0.886	0.936 0.618
967	0%	0/122 [00:00<?, ?it/s]					
968	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
969	185/300	3.796	1.042	0.6399	1.16	70	640: 100% ██████████ 122/122 [00:29<00:00, 4.09it/s]
970		Class	Images	Instances	Box(P R)		mAP50 mAP50-95): 100% ██████████ 21/21 [00:07<00:00, 2.90it/s]
971		all	1300	1580	0.936	0.888	0.937 0.618
972	0%	0/122 [00:00<?, ?it/s]					
973	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
974	186/300	3.796	1.03	0.6314	1.15	68	640: 100% ██████████ 122/122 [00:29<00:00, 4.14it/s]
975		Class	Images	Instances	Box(P R)		mAP50 mAP50-95): 100% ██████████ 21/21 [00:07<00:00, 2.88it/s]
976		all	1300	1580	0.936	0.886	0.937 0.617
977	0%	0/122 [00:00<?, ?it/s]					
978	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
979	187/300	3.796	1.054	0.6464	1.166	62	640: 100% ██████████ 122/122 [00:29<00:00, 4.13it/s]
980		Class	Images	Instances	Box(P R)		mAP50 mAP50-95): 100% ██████████ 21/21 [00:07<00:00, 2.94it/s]
981		all	1300	1580	0.935	0.886	0.936 0.616
982	983						
983	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
984	188/300	3.796	1.042	0.6414	1.157	55	640: 100% ██████████ 122/122 [00:29<00:00, 4.11it/s]
985		Class	Images	Instances	Box(P R)		mAP50 mAP50-95): 100% ██████████ 21/21 [00:07<00:00, 2.86it/s]
986		all	1300	1580	0.93	0.893	0.937 0.615
987	0%	0/122 [00:00<?, ?it/s]					
988	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
989	189/300	3.796	1.024	0.6385	1.148	58	640: 100% ██████████ 122/122 [00:29<00:00, 4.13it/s]
990		Class	Images	Instances	Box(P R)		mAP50 mAP50-95): 100% ██████████ 21/21 [00:07<00:00, 2.87it/s]
991		all	1300	1580	0.931	0.895	0.935 0.615
992	0%	0/122 [00:00<?, ?it/s]					
993	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
994	190/300	3.796	1.029	0.6361	1.152	73	640: 100% ██████████ 122/122 [00:29<00:00, 4.14it/s]
995		Class	Images	Instances	Box(P R)		mAP50 mAP50-95): 100% ██████████ 21/21 [00:07<00:00, 2.90it/s]
996		all	1300	1580	0.932	0.893	0.935 0.614
997	0%	0/122 [00:00<?, ?it/s]					
998	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
999	191/300	3.796	1.029	0.6348	1.151	57	640: 100% ██████████ 122/122 [00:29<00:00, 4.13it/s]
1000		Class	Images	Instances	Box(P R)		mAP50 mAP50-95): 100% ██████████ 21/21 [00:07<00:00, 2.95it/s]
1001		all	1300	1580	0.925	0.895	0.934 0.614
1002	1003						
1003	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
1004	192/300	3.796	1.021	0.6291	1.141	63	640: 100% ██████████ 122/122 [00:29<00:00, 4.14it/s]
1005		Class	Images	Instances	Box(P R)		mAP50 mAP50-95): 100% ██████████ 21/21 [00:07<00:00, 2.90it/s]
1006		all	1300	1580	0.93	0.89	0.934 0.614
1007	0%	0/122 [00:00<?, ?it/s]					
1008	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
1009	193/300	3.796	1.02	0.6274	1.147	66	640: 100% ██████████ 122/122 [00:29<00:00, 4.14it/s]
1010		Class	Images	Instances	Box(P R)		mAP50 mAP50-95): 100% ██████████ 21/21 [00:07<00:00, 2.90it/s]
1011		all	1300	1580	0.929	0.889	0.934 0.613
1012	0%	0/122 [00:00<?, ?it/s]					
1013	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
1014	194/300	3.796	1.026	0.6287	1.144	64	640: 100% ██████████ 122/122 [00:29<00:00, 4.13it/s]
1015		Class	Images	Instances	Box(P R)		mAP50 mAP50-95): 100% ██████████ 21/21 [00:07<00:00, 2.82it/s]
1016		all	1300	1580	0.924	0.889	0.933 0.614
1017	1018						
1018	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
1019	195/300	3.796	1.017	0.6239	1.14	72	640: 100% ██████████ 122/122 [00:29<00:00, 4.13it/s]
1020		Class	Images	Instances	Box(P R)		mAP50 mAP50-95): 100% ██████████ 21/21 [00:07<00:00, 2.88it/s]
1021		all	1300	1580	0.925	0.89	0.933 0.614
1022	1023						
1023	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
1024	196/300	3.796	1.027	0.6351	1.151	74	640: 100% ██████████ 122/122 [00:29<00:00, 4.14it/s]
1025		Class	Images	Instances	Box(P R)		mAP50 mAP50-95): 100% ██████████ 21/21 [00:07<00:00, 2.87it/s]
1026		all	1300	1580	0.924	0.893	0.933 0.614
1027	0%	0/122 [00:00<?, ?it/s]					
1028	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
1029	197/300	3.796	1.021	0.633	1.15	61	640: 100% ██████████ 122/122 [00:29<00:00, 4.13it/s]
1030		Class	Images	Instances	Box(P R)		mAP50 mAP50-95): 100% ██████████ 21/21 [00:07<00:00, 2.91it/s]
1031		all	1300	1580	0.92	0.896	0.933 0.615
1032	0%	0/122 [00:00<?, ?it/s]					
1033	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
1034	198/300	3.796	1.01	0.6148	1.141	57	640: 100% ██████████ 122/122 [00:29<00:00, 4.12it/s]
1035		Class	Images	Instances	Box(P R)		mAP50 mAP50-95): 100% ██████████ 21/21 [00:07<00:00, 2.89it/s]
1036		all	1300	1580	0.925	0.893	0.934 0.615
1037	0%	0/122 [00:00<?, ?it/s]					
1038	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
1039	199/300	3.796	1.01	0.6277	1.143	69	640: 100% ██████████ 122/122 [00:29<00:00, 4.14it/s]
1040		Class	Images	Instances	Box(P R)		mAP50 mAP50-95): 100% ██████████ 21/21 [00:07<00:00, 2.88it/s]
1041		all	1300	1580	0.933	0.892	0.936 0.615
1042	0%	0/122 [00:00<?, ?it/s]					
1043	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
1044	200/300	3.796	1.018	0.6183	1.143	80	640: 100% ██████████ 122/122 [00:29<00:00, 4.13it/s]
1045		Class	Images	Instances	Box(P R)		mAP50 mAP50-95): 100% ██████████ 21/21 [00:07<00:00, 2.90it/s]
1046		all	1300	1580	0.934	0.89	0.936 0.615
1047	0%	0/122 [00:00<?, ?it/s]					
1048	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
1049	201/300	3.796	1.005	0.6199	1.143	67	640: 100% ██████████ 122/122 [00:29<00:00, 4.14it/s]
1050		Class	Images	Instances	Box(P R)		mAP50 mAP50-95): 100% ██████████ 21/21 [00:07<00:00, 2.93it/s]
1051		all	1300	1580	0.929	0.891	0.934 0.615
1052	1053						
1053	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
1054	202/300	3.796	1.015	0.6286	1.142	75	640: 100% ██████████ 122/122 [00:29<00:00, 4.15it/s]
1055		Class	Images	Instances	Box(P R)		mAP50 mAP50-95): 100% ██████████ 21/21 [00:07<00:00, 2.90it/s]
1056		all	1300	1580	0.923	0.895	0.934 0.616
1057	1058						
1058	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
1059	203/300	3.796	1.011	0.6223	1.135	75	640: 100% ██████████ 122/122 [00:29<00:00, 4.13it/s]
1060		Class	Images	Instances	Box(P R)		mAP50 mAP50-95): 100% ██████████ 21/21 [00:07<00:00, 2.92it/s]
1061		all	1300	1580	0.929	0.892	0.935 0.616
1062	1063						
1063	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
1064	204/300	3.796	1.001	0.6192	1.134	76	640: 100% ██████████ 122/122 [00:29<00:00, 4.12it/s]
1065		Class	Images	Instances	Box(P R)		mAP50 mAP50-95): 100% ██████████ 21/21 [00:07<00:00, 2.90it/s]
1066		all	1300	1580	0.927	0.891	0.933 0.615
1067	0%	0/122 [00:00<?, ?it/s]					
1068	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
1069	205/300	3.796	1.012	0.6106	1.133	39	640: 100% ██████████ 122/122 [00:29<00:00, 4.14it/s]
1070		Class	Images	Instances	Box(P R)		mAP50 mAP50-95): 100% ██████████ 21/21 [00:07<00:00, 2.90it/s]
1071		all	1300	1580	0.927	0.893	0.934 0.614

	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
1073	206/300	3.796	1.011	0.6119	1.14	77	640: 100% ██████████ 122/122 [00:29<00:00, 4.14it/s]
1074		Class	Images	Instances	Box(P	R	mAP50 mAP50-95): 100% ██████████ 21/21 [00:07<00:00, 2.90it/s]
1075		all	1300	1580	0.928	0.897	0.936 0.613
1076							
1077	0%	0/122 [00:00<?, ?it/s]					
1078	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
1079	207/300	3.796	1.002	0.6182	1.134	83	640: 100% ██████████ 122/122 [00:29<00:00, 4.12it/s]
1080		Class	Images	Instances	Box(P	R	mAP50 mAP50-95): 100% ██████████ 21/21 [00:07<00:00, 2.90it/s]
1081		all	1300	1580	0.927	0.897	0.935 0.613
1082	0%	0/122 [00:00<?, ?it/s]					
1083	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
1084	208/300	3.796	0.9924	0.6033	1.131	68	640: 100% ██████████ 122/122 [00:29<00:00, 4.13it/s]
1085		Class	Images	Instances	Box(P	R	mAP50 mAP50-95): 100% ██████████ 21/21 [00:07<00:00, 2.87it/s]
1086		all	1300	1580	0.926	0.898	0.934 0.614
1087							
1088	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
1089	209/300	3.796	0.9969	0.6077	1.125	85	640: 100% ██████████ 122/122 [00:29<00:00, 4.14it/s]
1090		Class	Images	Instances	Box(P	R	mAP50 mAP50-95): 100% ██████████ 21/21 [00:07<00:00, 2.89it/s]
1091		all	1300	1580	0.925	0.901	0.936 0.614
1092	0%	0/122 [00:00<?, ?it/s]					
1093	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
1094	210/300	3.796	0.9957	0.6033	1.124	69	640: 100% ██████████ 122/122 [00:29<00:00, 4.13it/s]
1095		Class	Images	Instances	Box(P	R	mAP50 mAP50-95): 100% ██████████ 21/21 [00:07<00:00, 2.87it/s]
1096		all	1300	1580	0.928	0.897	0.936 0.615
1097							
1098	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
1099	211/300	3.796	0.9893	0.5939	1.121	77	640: 100% ██████████ 122/122 [00:29<00:00, 4.13it/s]
1100		Class	Images	Instances	Box(P	R	mAP50 mAP50-95): 100% ██████████ 21/21 [00:07<00:00, 2.90it/s]
1101		all	1300	1580	0.92	0.901	0.935 0.615
1102							
1103	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
1104	212/300	3.796	0.9855	0.6018	1.127	69	640: 100% ██████████ 122/122 [00:29<00:00, 4.12it/s]
1105		Class	Images	Instances	Box(P	R	mAP50 mAP50-95): 100% ██████████ 21/21 [00:07<00:00, 2.89it/s]
1106		all	1300	1580	0.921	0.902	0.937 0.616
1107	0%	0/122 [00:00<?, ?it/s]					
1108	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
1109	213/300	3.796	0.9899	0.6025	1.121	57	640: 100% ██████████ 122/122 [00:29<00:00, 4.13it/s]
1110		Class	Images	Instances	Box(P	R	mAP50 mAP50-95): 100% ██████████ 21/21 [00:07<00:00, 2.80it/s]
1111		all	1300	1580	0.92	0.905	0.935 0.617
1112	0%	0/122 [00:00<?, ?it/s]					
1113	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
1114	214/300	3.796	0.9882	0.6052	1.125	71	640: 100% ██████████ 122/122 [00:29<00:00, 4.13it/s]
1115		Class	Images	Instances	Box(P	R	mAP50 mAP50-95): 100% ██████████ 21/21 [00:07<00:00, 2.88it/s]
1116		all	1300	1580	0.923	0.896	0.935 0.617
1117	0%	0/122 [00:00<?, ?it/s]					
1118	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
1119	215/300	3.796	0.9958	0.5974	1.125	65	640: 100% ██████████ 122/122 [00:29<00:00, 4.13it/s]
1120		Class	Images	Instances	Box(P	R	mAP50 mAP50-95): 100% ██████████ 21/21 [00:07<00:00, 2.87it/s]
1121		all	1300	1580	0.924	0.896	0.934 0.617
1122	0%	0/122 [00:00<?, ?it/s]					
1123	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
1124	216/300	3.796	0.9831	0.6077	1.121	81	640: 100% ██████████ 122/122 [00:29<00:00, 4.12it/s]
1125		Class	Images	Instances	Box(P	R	mAP50 mAP50-95): 100% ██████████ 21/21 [00:08<00:00, 2.62it/s]
1126		all	1300	1580	0.924	0.894	0.931 0.618
1127							
1128	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
1129	217/300	3.796	0.9663	0.5965	1.113	62	640: 100% ██████████ 122/122 [00:29<00:00, 4.08it/s]
1130		Class	Images	Instances	Box(P	R	mAP50 mAP50-95): 100% ██████████ 21/21 [00:06<00:00, 3.16it/s]
1131		all	1300	1580	0.925	0.895	0.932 0.618
1132	0%	0/122 [00:00<?, ?it/s]					
1133	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
1134	218/300	3.796	0.9883	0.6008	1.13	58	640: 100% ██████████ 122/122 [00:30<00:00, 4.03it/s]
1135		Class	Images	Instances	Box(P	R	mAP50 mAP50-95): 100% ██████████ 21/21 [00:07<00:00, 2.80it/s]
1136		all	1300	1580	0.926	0.893	0.931 0.618
1137							
1138	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
1139	219/300	3.796	0.9852	0.6001	1.122	66	640: 100% ██████████ 122/122 [00:30<00:00, 4.06it/s]
1140		Class	Images	Instances	Box(P	R	mAP50 mAP50-95): 100% ██████████ 21/21 [00:07<00:00, 2.83it/s]
1141		all	1300	1580	0.923	0.902	0.933 0.619
1142	0%	0/122 [00:00<?, ?it/s]					
1143	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
1144	220/300	3.796	0.9794	0.5905	1.11	66	640: 100% ██████████ 122/122 [00:33<00:00, 3.60it/s]
1145		Class	Images	Instances	Box(P	R	mAP50 mAP50-95): 100% ██████████ 21/21 [00:08<00:00, 2.52it/s]
1146		all	1300	1580	0.928	0.899	0.933 0.618
1147	0%	0/122 [00:00<?, ?it/s]					
1148	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
1149	221/300	3.796	0.9764	0.5903	1.12	54	640: 100% ██████████ 122/122 [00:30<00:00, 3.96it/s]
1150		Class	Images	Instances	Box(P	R	mAP50 mAP50-95): 100% ██████████ 21/21 [00:07<00:00, 2.69it/s]
1151		all	1300	1580	0.929	0.901	0.932 0.618
1152	0%	0/122 [00:00<?, ?it/s]					
1153	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
1154	222/300	3.796	0.9801	0.5924	1.121	65	640: 100% ██████████ 122/122 [00:29<00:00, 4.11it/s]
1155		Class	Images	Instances	Box(P	R	mAP50 mAP50-95): 100% ██████████ 21/21 [00:06<00:00, 3.10it/s]
1156		all	1300	1580	0.932	0.897	0.931 0.618
1157	0%	0/122 [00:00<?, ?it/s]					
1158	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
1159	223/300	3.796	0.9817	0.6008	1.113	62	640: 100% ██████████ 122/122 [00:28<00:00, 4.22it/s]
1160		Class	Images	Instances	Box(P	R	mAP50 mAP50-95): 100% ██████████ 21/21 [00:06<00:00, 3.08it/s]
1161		all	1300	1580	0.935	0.896	0.931 0.618
1162	0%	0/122 [00:00<?, ?it/s]					
1163	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
1164	224/300	3.796	0.9667	0.5871	1.111	51	640: 100% ██████████ 122/122 [00:28<00:00, 4.27it/s]
1165		Class	Images	Instances	Box(P	R	mAP50 mAP50-95): 100% ██████████ 21/21 [00:06<00:00, 3.20it/s]
1166		all	1300	1580	0.935	0.894	0.933 0.618
1167							
1168	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
1169	225/300	3.796	0.9723	0.5767	1.111	69	640: 100% ██████████ 122/122 [00:31<00:00, 3.92it/s]
1170		Class	Images	Instances	Box(P	R	mAP50 mAP50-95): 100% ██████████ 21/21 [00:08<00:00, 2.44it/s]
1171		all	1300	1580	0.934	0.897	0.934 0.618
1172							
1173	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
1174	226/300	3.796	0.9774	0.5839	1.119	56	640: 100% ██████████ 122/122 [00:35<00:00, 3.39it/s]
1175		Class	Images	Instances	Box(P	R	mAP50 mAP50-95): 100% ██████████ 21/21 [00:10<00:00, 1.98it/s]
1176		all	1300	1580	0.937	0.895	0.934 0.618
1177							
1178	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
1179	227/300	3.796	0.9671	0.5823	1.107	70	640: 100% ██████████ 122/122 [00:34<00:00, 3.53it/s]
1180		Class	Images	Instances	Box(P	R	mAP50 mAP50-95): 100% ██████████ 21/21 [00:10<00:00, 2.07it/s]
1181		all	1300	1580	0.936	0.896	0.934 0.618
1182							
1183	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
1184	228/300	3.796	0.9694	0.5843	1.117	55	640: 100% ██████████ 122/122 [00:36<00:00, 3.37it/s]
1185		Class	Images	Instances	Box(P	R	mAP50 mAP50-95): 100% ██████████ 21/21 [00:10<00:00, 1.98it/s]
1186		all	1300	1580	0.933	0.895	0.934 0.619
1187							
1188	Epoch	GPU_mem	box_loss	cls_loss	dfl_loss	Instances	Size
1189	229/300	3.796	0.9714	0.5762	1.111	52	640: 100% ██████████ 122/122 [00:31<00:00, 3.91it/s]
1190		Class	Images	Instances	Box(P	R	mAP50 mAP50-95): 100% ██████████ 21/21 [00:07<00:00, 2.64it/s]

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1191 all 1300 1580 0.934 0.894 0.933 0.619
 1192
 1193 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 1194 230/300 3.796 0.9674 0.5852 1.11 69 640: 100% [██████] | 122/122 [00:31<00:00, 3.85it/s]
 1195 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] | 21/21 [00:08<00:00, 2.61it/s]
 1196 all 1300 1580 0.93 0.899 0.934 0.619
 1197
 1198 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 1199 231/300 3.796 0.9568 0.5737 1.1 80 640: 100% [██████] | 122/122 [00:31<00:00, 3.92it/s]
 1200 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] | 21/21 [00:08<00:00, 2.55it/s]
 1201 all 1300 1580 0.928 0.9 0.935 0.62
 1202
 1203 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 1204 232/300 3.796 0.9629 0.5755 1.107 72 640: 100% [██████] | 122/122 [00:31<00:00, 3.92it/s]
 1205 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] | 21/21 [00:07<00:00, 2.74it/s]
 1206 all 1300 1580 0.934 0.895 0.933 0.619
 1207 0% | 0/122 [00:00<?, ?it/s]
 1208 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 1209 233/300 3.796 0.952 0.5738 1.1 64 640: 100% [██████] | 122/122 [00:30<00:00, 4.00it/s]
 1210 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] | 21/21 [00:07<00:00, 2.75it/s]
 1211 all 1300 1580 0.938 0.893 0.935 0.619
 1212 0% | 0/122 [00:00<?, ?it/s]
 1213 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 1214 234/300 3.796 0.9555 0.5778 1.106 77 640: 100% [██████] | 122/122 [00:31<00:00, 3.90it/s]
 1215 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] | 21/21 [00:07<00:00, 2.67it/s]
 1216 all 1300 1580 0.937 0.893 0.935 0.619
 1217
 1218 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 1219 235/300 3.796 0.9432 0.5673 1.097 56 640: 100% [██████] | 122/122 [00:31<00:00, 3.89it/s]
 1220 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] | 21/21 [00:08<00:00, 2.61it/s]
 1221 all 1300 1580 0.938 0.895 0.935 0.619
 1222
 1223 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 1224 236/300 3.796 0.9595 0.5737 1.104 60 640: 100% [██████] | 122/122 [00:30<00:00, 3.98it/s]
 1225 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] | 21/21 [00:07<00:00, 2.74it/s]
 1226 all 1300 1580 0.937 0.893 0.934 0.618
 1227
 1228 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 1229 237/300 3.796 0.9546 0.5777 1.107 60 640: 100% [██████] | 122/122 [00:30<00:00, 3.94it/s]
 1230 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] | 21/21 [00:07<00:00, 2.71it/s]
 1231 all 1300 1580 0.937 0.892 0.934 0.618
 1232 0% | 0/122 [00:00<?, ?it/s]
 1233 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 1234 238/300 3.796 0.956 0.5684 1.106 74 640: 100% [██████] | 122/122 [00:30<00:00, 4.01it/s]
 1235 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] | 21/21 [00:07<00:00, 2.77it/s]
 1236 all 1300 1580 0.939 0.891 0.933 0.618
 1237 0% | 0/122 [00:00<?, ?it/s]
 1238 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 1239 239/300 3.796 0.9551 0.5683 1.101 77 640: 100% [██████] | 122/122 [00:30<00:00, 3.95it/s]
 1240 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] | 21/21 [00:07<00:00, 2.77it/s]
 1241 all 1300 1580 0.938 0.891 0.933 0.619
 1242 0% | 0/122 [00:00<?, ?it/s]
 1243 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 1244 240/300 3.796 0.9539 0.5714 1.103 61 640: 100% [██████] | 122/122 [00:30<00:00, 3.98it/s]
 1245 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] | 21/21 [00:07<00:00, 2.70it/s]
 1246 all 1300 1580 0.939 0.889 0.933 0.619
 1247 0% | 0/122 [00:00<?, ?it/s]
 1248 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 1249 241/300 3.796 0.9557 0.5744 1.1 70 640: 100% [██████] | 122/122 [00:30<00:00, 3.99it/s]
 1250 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] | 21/21 [00:07<00:00, 2.76it/s]
 1251 all 1300 1580 0.937 0.891 0.933 0.619
 1252
 1253 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 1254 242/300 3.796 0.9488 0.5659 1.102 52 640: 100% [██████] | 122/122 [00:30<00:00, 3.99it/s]
 1255 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] | 21/21 [00:07<00:00, 2.76it/s]
 1256 all 1300 1580 0.938 0.889 0.933 0.619
 1257
 1258 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 1259 243/300 3.796 0.9506 0.5738 1.103 73 640: 100% [██████] | 122/122 [00:32<00:00, 3.78it/s]
 1260 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] | 21/21 [00:07<00:00, 2.66it/s]
 1261 all 1300 1580 0.938 0.889 0.933 0.62
 1262
 1263 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 1264 244/300 3.796 0.9396 0.5726 1.096 59 640: 100% [██████] | 122/122 [00:30<00:00, 3.97it/s]
 1265 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] | 21/21 [00:07<00:00, 2.78it/s]
 1266 all 1300 1580 0.939 0.89 0.934 0.619
 1267 0% | 0/122 [00:00<?, ?it/s]
 1268 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 1269 245/300 3.796 0.9261 0.5532 1.085 64 640: 100% [██████] | 122/122 [00:30<00:00, 4.00it/s]
 1270 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] | 21/21 [00:07<00:00, 2.66it/s]
 1271 all 1300 1580 0.938 0.889 0.933 0.62
 1272
 1273 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 1274 246/300 3.796 0.936 0.5612 1.095 78 640: 100% [██████] | 122/122 [00:30<00:00, 3.95it/s]
 1275 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] | 21/21 [00:07<00:00, 2.77it/s]
 1276 all 1300 1580 0.94 0.888 0.933 0.62
 1277 0% | 0/122 [00:00<?, ?it/s]
 1278 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 1279 247/300 3.796 0.9472 0.5569 1.088 71 640: 100% [██████] | 122/122 [00:30<00:00, 3.94it/s]
 1280 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] | 21/21 [00:07<00:00, 2.75it/s]
 1281 all 1300 1580 0.939 0.888 0.934 0.62
 1282
 1283 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 1284 248/300 3.796 0.9385 0.5578 1.088 65 640: 100% [██████] | 122/122 [00:30<00:00, 4.01it/s]
 1285 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] | 21/21 [00:07<00:00, 2.77it/s]
 1286 all 1300 1580 0.939 0.888 0.933 0.621
 1287
 1288 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 1289 249/300 3.796 0.9311 0.5526 1.092 57 640: 100% [██████] | 122/122 [00:30<00:00, 3.95it/s]
 1290 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] | 21/21 [00:07<00:00, 2.71it/s]
 1291 all 1300 1580 0.938 0.887 0.933 0.621
 1292
 1293 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 1294 250/300 3.796 0.9421 0.5613 1.095 67 640: 100% [██████] | 122/122 [00:31<00:00, 3.89it/s]
 1295 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] | 21/21 [00:08<00:00, 2.54it/s]
 1296 all 1300 1580 0.936 0.889 0.933 0.621
 1297
 1298 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 1299 251/300 3.796 0.943 0.5645 1.096 80 640: 100% [██████] | 122/122 [00:31<00:00, 3.91it/s]
 1300 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] | 21/21 [00:08<00:00, 2.62it/s]
 1301 all 1300 1580 0.935 0.89 0.934 0.62
 1302
 1303 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 1304 252/300 3.796 0.9172 0.5453 1.078 73 640: 100% [██████] | 122/122 [00:31<00:00, 3.85it/s]
 1305 Class Images Instances Box(P R mAP50 mAP50-95): 100% [██████] | 21/21 [00:08<00:00, 2.51it/s]
 1306 all 1300 1580 0.939 0.889 0.932 0.62
 1307
 1308 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 1309 253/300 3.796 0.9262 0.5473 1.09 62 640: 100% [██████] | 122/122 [00:31<00:00, 3.86it/s]

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1310 Class Images Instances Box(P R mAP50 mAP50-95): 100%| [21/21 [00:08<00:00, 2.53it/s]
 1311 all 1300 1580 0.934 0.891 0.932 0.62
 1312 0%| 0/122 [00:00<?, ?it/s]
 1313 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 1314 254/300 3.796 0.9358 0.5573 1.094 67 640: 100%| [122/122 [00:31<00:00, 3.86it/s]
 1315 Class Images Instances Box(P R mAP50 mAP50-95): 100%| [21/21 [00:07<00:00, 2.63it/s]
 1316 all 1300 1580 0.94 0.888 0.932 0.621
 1317
 1318 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 1319 255/300 3.796 0.9237 0.5417 1.081 82 640: 100%| [122/122 [00:31<00:00, 3.89it/s]
 1320 Class Images Instances Box(P R mAP50 mAP50-95): 100%| [21/21 [00:07<00:00, 2.74it/s]
 1321 all 1300 1580 0.941 0.887 0.932 0.62
 1322
 1323 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 1324 256/300 3.796 0.931 0.5432 1.086 90 640: 100%| [122/122 [00:30<00:00, 3.97it/s]
 1325 Class Images Instances Box(P R mAP50 mAP50-95): 100%| [21/21 [00:07<00:00, 2.80it/s]
 1326 all 1300 1580 0.94 0.888 0.932 0.621
 1327
 1328 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 1329 257/300 3.796 0.9073 0.5413 1.077 69 640: 100%| [122/122 [00:30<00:00, 3.94it/s]
 1330 Class Images Instances Box(P R mAP50 mAP50-95): 100%| [21/21 [00:07<00:00, 2.72it/s]
 1331 all 1300 1580 0.94 0.889 0.932 0.621
 1332 0%| 0/122 [00:00<?, ?it/s]
 1333 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 1334 258/300 3.796 0.9126 0.5407 1.078 65 640: 100%| [122/122 [00:30<00:00, 3.99it/s]
 1335 Class Images Instances Box(P R mAP50 mAP50-95): 100%| [21/21 [00:07<00:00, 2.70it/s]
 1336 all 1300 1580 0.94 0.889 0.932 0.621
 1337
 1338 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 1339 259/300 3.796 0.9152 0.5421 1.082 62 640: 100%| [122/122 [00:30<00:00, 3.97it/s]
 1340 Class Images Instances Box(P R mAP50 mAP50-95): 100%| [21/21 [00:07<00:00, 2.75it/s]
 1341 all 1300 1580 0.94 0.89 0.932 0.621
 1342 0%| 0/122 [00:00<?, ?it/s]
 1343 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 1344 260/300 3.796 0.9158 0.5392 1.084 74 640: 100%| [122/122 [00:30<00:00, 3.99it/s]
 1345 Class Images Instances Box(P R mAP50 mAP50-95): 100%| [21/21 [00:07<00:00, 2.77it/s]
 1346 all 1300 1580 0.941 0.889 0.932 0.621
 1347
 1348 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 1349 261/300 3.796 0.9131 0.5399 1.085 71 640: 100%| [122/122 [00:31<00:00, 3.89it/s]
 1350 Class Images Instances Box(P R mAP50 mAP50-95): 100%| [21/21 [00:07<00:00, 2.76it/s]
 1351 all 1300 1580 0.943 0.888 0.932 0.621
 1352 0%| 0/122 [00:00<?, ?it/s]
 1353 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 1354 262/300 3.796 0.9094 0.536 1.078 65 640: 100%| [122/122 [00:30<00:00, 3.95it/s]
 1355 Class Images Instances Box(P R mAP50 mAP50-95): 100%| [21/21 [00:07<00:00, 2.64it/s]
 1356 all 1300 1580 0.942 0.89 0.933 0.621
 1357 0%| 0/122 [00:00<?, ?it/s]
 1358 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 1359 263/300 3.796 0.9149 0.5426 1.083 75 640: 100%| [122/122 [00:30<00:00, 3.96it/s]
 1360 Class Images Instances Box(P R mAP50 mAP50-95): 100%| [21/21 [00:07<00:00, 2.82it/s]
 1361 all 1300 1580 0.936 0.895 0.933 0.621
 1362 0%| 0/122 [00:00<?, ?it/s]
 1363 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 1364 264/300 3.796 0.9228 0.5517 1.085 70 640: 100%| [122/122 [00:31<00:00, 3.88it/s]
 1365 Class Images Instances Box(P R mAP50 mAP50-95): 100%| [21/21 [00:07<00:00, 2.85it/s]
 1366 all 1300 1580 0.941 0.888 0.933 0.621
 1367 0%| 0/122 [00:00<?, ?it/s]
 1368 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 1369 265/300 3.796 0.9151 0.544 1.085 63 640: 100%| [122/122 [00:30<00:00, 4.00it/s]
 1370 Class Images Instances Box(P R mAP50 mAP50-95): 100%| [21/21 [00:07<00:00, 2.66it/s]
 1371 all 1300 1580 0.941 0.889 0.932 0.621
 1372 0%| 0/122 [00:00<?, ?it/s]
 1373 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 1374 266/300 3.796 0.9197 0.5441 1.084 82 640: 100%| [122/122 [00:30<00:00, 3.94it/s]
 1375 Class Images Instances Box(P R mAP50 mAP50-95): 100%| [21/21 [00:08<00:00, 2.57it/s]
 1376 all 1300 1580 0.937 0.891 0.932 0.621
 1377
 1378 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 1379 267/300 3.796 0.899 0.5343 1.069 83 640: 100%| [122/122 [00:33<00:00, 3.62it/s]
 1380 Class Images Instances Box(P R mAP50 mAP50-95): 100%| [21/21 [00:09<00:00, 2.16it/s]
 1381 all 1300 1580 0.94 0.889 0.932 0.621
 1382 0%| 0/122 [00:00<?, ?it/s]
 1383 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 1384 268/300 3.796 0.8908 0.5263 1.067 78 640: 100%| [122/122 [00:33<00:00, 3.60it/s]
 1385 Class Images Instances Box(P R mAP50 mAP50-95): 100%| [21/21 [00:09<00:00, 2.15it/s]
 1386 all 1300 1580 0.942 0.888 0.932 0.621
 1387 0%| 0/122 [00:00<?, ?it/s]
 1388 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 1389 269/300 3.796 0.9085 0.5351 1.077 57 640: 100%| [122/122 [00:34<00:00, 3.57it/s]
 1390 Class Images Instances Box(P R mAP50 mAP50-95): 100%| [21/21 [00:09<00:00, 2.13it/s]
 1391 all 1300 1580 0.94 0.89 0.932 0.622
 1392 0%| 0/122 [00:00<?, ?it/s]
 1393 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 1394 270/300 3.796 0.8955 0.5315 1.07 69 640: 100%| [122/122 [00:33<00:00, 3.59it/s]
 1395 Class Images Instances Box(P R mAP50 mAP50-95): 100%| [21/21 [00:09<00:00, 2.17it/s]
 1396 all 1300 1580 0.939 0.891 0.932 0.622
 1397
 1398 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 1399 271/300 3.796 0.9023 0.5228 1.069 77 640: 100%| [122/122 [00:33<00:00, 3.63it/s]
 1400 Class Images Instances Box(P R mAP50 mAP50-95): 100%| [21/21 [00:09<00:00, 2.16it/s]
 1401 all 1300 1580 0.941 0.89 0.931 0.622
 1402
 1403 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 1404 272/300 3.796 0.8932 0.5297 1.067 69 640: 100%| [122/122 [00:34<00:00, 3.57it/s]
 1405 Class Images Instances Box(P R mAP50 mAP50-95): 100%| [21/21 [00:08<00:00, 2.49it/s]
 1406 all 1300 1580 0.941 0.89 0.931 0.622
 1407 0%| 0/122 [00:00<?, ?it/s]
 1408 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 1409 273/300 3.796 0.8975 0.5293 1.069 69 640: 100%| [122/122 [00:31<00:00, 3.91it/s]
 1410 Class Images Instances Box(P R mAP50 mAP50-95): 100%| [21/21 [00:07<00:00, 2.66it/s]
 1411 all 1300 1580 0.939 0.888 0.93 0.621
 1412
 1413 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 1414 274/300 3.796 0.8926 0.522 1.061 61 640: 100%| [122/122 [00:31<00:00, 3.93it/s]
 1415 Class Images Instances Box(P R mAP50 mAP50-95): 100%| [21/21 [00:08<00:00, 2.57it/s]
 1416 all 1300 1580 0.939 0.888 0.93 0.621
 1417
 1418 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 1419 275/300 3.796 0.887 0.5245 1.062 72 640: 100%| [122/122 [00:31<00:00, 3.92it/s]
 1420 Class Images Instances Box(P R mAP50 mAP50-95): 100%| [21/21 [00:07<00:00, 2.70it/s]
 1421 all 1300 1580 0.939 0.888 0.93 0.621
 1422
 1423 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size
 1424 276/300 3.796 0.901 0.537 1.076 77 640: 100%| [122/122 [00:32<00:00, 3.81it/s]
 1425 Class Images Instances Box(P R mAP50 mAP50-95): 100%| [21/21 [00:08<00:00, 2.52it/s]
 1426 all 1300 1580 0.94 0.887 0.93 0.621
 1427 0%| 0/122 [00:00<?, ?it/s]
 1428 Epoch GPU_mem box_loss cls_loss dfl_loss Instances Size

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1429 Epoch 277/300 GPU_mem box_loss cls_loss dfl_loss Instances Size
 1430 Class Images Instances Box(P R mAP50 mAP50-95): 100% | 122/122 [00:31<00:00, 3.85it/s]
 1431 all 1300 1580 0.941 0.888 0.931 0.621 | 21/21 [00:07<00:00, 2.65it/s]

1432 Epoch 278/300 GPU_mem box_loss cls_loss dfl_loss Instances Size
 1433 Class Images Instances Box(P R mAP50 mAP50-95): 100% | 122/122 [00:30<00:00, 3.94it/s]
 1434 all 1300 1580 0.942 0.889 0.932 0.621 | 21/21 [00:07<00:00, 2.68it/s]

1435 Epoch 279/300 GPU_mem box_loss cls_loss dfl_loss Instances Size
 1436 Class Images Instances Box(P R mAP50 mAP50-95): 100% | 122/122 [00:31<00:00, 3.83it/s]
 1437 all 1300 1580 0.942 0.89 0.933 0.621 | 21/21 [00:07<00:00, 2.63it/s]

1438 Epoch 280/300 GPU_mem box_loss cls_loss dfl_loss Instances Size
 1439 Class Images Instances Box(P R mAP50 mAP50-95): 100% | 122/122 [00:30<00:00, 3.95it/s]
 1440 all 1300 1580 0.942 0.889 0.932 0.621 | 21/21 [00:08<00:00, 2.59it/s]

1441 Epoch 281/300 GPU_mem box_loss cls_loss dfl_loss Instances Size
 1442 Class Images Instances Box(P R mAP50 mAP50-95): 100% | 122/122 [00:31<00:00, 3.88it/s]
 1443 all 1300 1580 0.941 0.892 0.932 0.62 | 21/21 [00:07<00:00, 2.67it/s]

1444 Epoch 282/300 GPU_mem box_loss cls_loss dfl_loss Instances Size
 1445 Class Images Instances Box(P R mAP50 mAP50-95): 100% | 122/122 [00:31<00:00, 3.83it/s]
 1446 all 1300 1580 0.941 0.891 0.933 0.62 | 21/21 [00:08<00:00, 2.59it/s]

1447 Epoch 283/300 GPU_mem box_loss cls_loss dfl_loss Instances Size
 1448 Class Images Instances Box(P R mAP50 mAP50-95): 100% | 122/122 [00:31<00:00, 3.93it/s]
 1449 all 1300 1580 0.942 0.894 0.934 0.62 | 21/21 [00:07<00:00, 2.80it/s]

1450 Epoch 284/300 GPU_mem box_loss cls_loss dfl_loss Instances Size
 1451 Class Images Instances Box(P R mAP50 mAP50-95): 100% | 122/122 [00:30<00:00, 3.97it/s]
 1452 all 1300 1580 0.943 0.894 0.934 0.62 | 21/21 [00:07<00:00, 2.79it/s]

1453 Epoch 285/300 GPU_mem box_loss cls_loss dfl_loss Instances Size
 1454 Class Images Instances Box(P R mAP50 mAP50-95): 100% | 122/122 [00:30<00:00, 4.00it/s]
 1455 all 1300 1580 0.942 0.894 0.934 0.619 | 21/21 [00:07<00:00, 2.72it/s]

1456 Epoch 286/300 GPU_mem box_loss cls_loss dfl_loss Instances Size
 1457 Class Images Instances Box(P R mAP50 mAP50-95): 100% | 122/122 [00:30<00:00, 3.96it/s]
 1458 all 1300 1580 0.942 0.894 0.934 0.62 | 21/21 [00:07<00:00, 2.81it/s]

1459 Epoch 287/300 GPU_mem box_loss cls_loss dfl_loss Instances Size
 1460 Class Images Instances Box(P R mAP50 mAP50-95): 100% | 122/122 [00:30<00:00, 3.98it/s]
 1461 all 1300 1580 0.945 0.893 0.934 0.62 | 21/21 [00:07<00:00, 2.81it/s]

1462 Epoch 288/300 GPU_mem box_loss cls_loss dfl_loss Instances Size
 1463 Class Images Instances Box(P R mAP50 mAP50-95): 100% | 122/122 [00:31<00:00, 3.86it/s]
 1464 all 1300 1580 0.945 0.893 0.934 0.62 | 21/21 [00:09<00:00, 2.14it/s]

1465 Epoch 289/300 GPU_mem box_loss cls_loss dfl_loss Instances Size
 1466 Class Images Instances Box(P R mAP50 mAP50-95): 100% | 122/122 [00:33<00:00, 3.59it/s]
 1467 all 1300 1580 0.944 0.892 0.934 0.62 | 21/21 [00:09<00:00, 2.16it/s]

1468 Epoch 290/300 GPU_mem box_loss cls_loss dfl_loss Instances Size
 1469 Class Images Instances Box(P R mAP50 mAP50-95): 100% | 122/122 [00:33<00:00, 3.59it/s]
 1470 all 1300 1580 0.943 0.894 0.934 0.62 | 21/21 [00:09<00:00, 2.18it/s]

1471 Closing dataloader mosaic

1499 albumentations: Blur(p=0.01, blur_limit=(3, 7)), MedianBlur(p=0.01, blur_limit=(3, 7)), ToGray(p=0.01, method='weighted_average', num_output_channels=3), (

1500 Epoch 291/300 GPU_mem box_loss cls_loss dfl_loss Instances Size
 1501 Class Images Instances Box(P R mAP50 mAP50-95): 100% | 122/122 [00:34<00:00, 3.56it/s]
 1502 all 1300 1580 0.945 0.892 0.934 0.619 | 21/21 [00:09<00:00, 2.24it/s]

1503 Epoch 292/300 GPU_mem box_loss cls_loss dfl_loss Instances Size
 1504 Class Images Instances Box(P R mAP50 mAP50-95): 100% | 122/122 [00:30<00:00, 3.97it/s]
 1505 all 1300 1580 0.945 0.892 0.934 0.62 | 21/21 [00:07<00:00, 2.80it/s]

1506 Epoch 293/300 GPU_mem box_loss cls_loss dfl_loss Instances Size
 1507 Class Images Instances Box(P R mAP50 mAP50-95): 100% | 122/122 [00:30<00:00, 3.99it/s]
 1508 all 1300 1580 0.945 0.892 0.933 0.62 | 21/21 [00:07<00:00, 2.73it/s]

1509 Epoch 294/300 GPU_mem box_loss cls_loss dfl_loss Instances Size
 1510 Class Images Instances Box(P R mAP50 mAP50-95): 100% | 122/122 [00:30<00:00, 3.94it/s]
 1511 all 1300 1580 0.945 0.892 0.933 0.62 | 21/21 [00:08<00:00, 2.53it/s]

1512 Epoch 295/300 GPU_mem box_loss cls_loss dfl_loss Instances Size
 1513 Class Images Instances Box(P R mAP50 mAP50-95): 100% | 122/122 [00:30<00:00, 3.94it/s]
 1514 all 1300 1580 0.944 0.892 0.933 0.62 | 21/21 [00:08<00:00, 2.61it/s]

1515 Epoch 296/300 GPU_mem box_loss cls_loss dfl_loss Instances Size
 1516 Class Images Instances Box(P R mAP50 mAP50-95): 100% | 122/122 [00:31<00:00, 3.92it/s]
 1517 all 1300 1580 0.942 0.891 0.933 0.62 | 21/21 [00:08<00:00, 2.54it/s]

1518 Epoch 297/300 GPU_mem box_loss cls_loss dfl_loss Instances Size
 1519 Class Images Instances Box(P R mAP50 mAP50-95): 100% | 122/122 [00:31<00:00, 3.93it/s]
 1520 all 1300 1580 0.943 0.89 0.933 0.62 | 21/21 [00:08<00:00, 2.45it/s]

1521 Epoch 298/300 GPU_mem box_loss cls_loss dfl_loss Instances Size
 1522 Class Images Instances Box(P R mAP50 mAP50-95): 100% | 122/122 [00:31<00:00, 3.91it/s]
 1523 all 1300 1580 0.942 0.89 0.933 0.62 | 21/21 [00:08<00:00, 2.56it/s]

1524 Epoch 299/300 GPU_mem box_loss cls_loss dfl_loss Instances Size
 1525 Class Images Instances Box(P R mAP50 mAP50-95): 100% | 122/122 [00:31<00:00, 3.87it/s]
 1526 all 1300 1580 0.943 0.89 0.933 0.619 | 21/21 [00:08<00:00, 2.51it/s]

1527 Epoch 300/300 GPU_mem box_loss cls_loss dfl_loss Instances Size
 1528 Class Images Instances Box(P R mAP50 mAP50-95): 100% | 122/122 [00:30<00:00, 3.95it/s]
 1529 all 1300 1580 0.943 0.89 0.933 0.619 | 21/21 [00:08<00:00, 2.60it/s]

```
File - train
1548           all     1300     1580    0.943    0.891    0.933    0.619
1549
1550 300 epochs completed in 3.174 hours.
1551 Optimizer stripped from runs\YOLO-GFL\weights\last.pt, 3.5MB
1552 Optimizer stripped from runs\YOLO-GFL\weights\best.pt, 3.5MB
1553
1554 Validating runs\YOLO-GFL\weights\best.pt...
1555 Ultralytics 8.3.157 Python-3.12.10 torch-2.6.0+cu126 CUDA:0 (NVIDIA GeForce RTX 4060 Laptop GPU, 8188MiB)
1556 YOLO-gfl summary (fused): 118 layers, 1,611,126 parameters, 0 gradients, 4.6 GFLOPs
1557             Class   Images Instances   Box(P)      R      mAP50  mAP50-95: 100%|██████████| 21/21 [00:09<00:00,  2.16it/s]
1558           all     1300     1580    0.94    0.892    0.932    0.621
1559         Fire     894     963    0.955    0.918    0.954    0.671
1560        Smoke     574     617    0.925    0.865    0.91    0.572
1561 Speed: 0.1ms preprocess, 1.0ms inference, 0.0ms loss, 1.8ms postprocess per image
1562 Results saved to runs\YOLO-GFL
1563 Ultralytics 8.3.157 Python-3.12.10 torch-2.6.0+cu126 CPU (AMD Ryzen 7 7435HS)
1564 YOLO-gfl summary (fused): 118 layers, 1,611,126 parameters, 0 gradients, 4.6 GFLOPs
1565
1566 PyTorch: starting from 'runs\YOLO-GFL\weights\best.pt' with input shape (1, 3, 640, 640) BCHW and output shape(s) (1, 6, 8400) (3.4 MB)
1567
1568 ONNX: starting export with onnx 1.17.0 opset 19...
1569 ONNX: slimming with onnxslim 0.1.57...
1570 ONNX: export success 1.1s, saved as 'runs\YOLO-GFL\weights\best.onnx' (6.4 MB)
1571
1572 Export complete (1.3s)
1573 Results saved to D:\Projects\Code\python-projects\yolo-gfl\yolo-gfl\runs\YOLO-GFL\weights
1574 Predict:   yolo predict task=detect model=runs\YOLO-GFL\weights\best.onnx imgsz=640
1575 Validate:  yolo val task=detect model=runs\YOLO-GFL\weights\best.onnx imgsz=640 data=../dataset/HOME-FIRE/data.yaml
1576 Visualize: https://netron.app
1577
1578 Process finished with exit code 0
1579
```