```
!pip install pyyaml==5.1
import torch
TORCH_VERSION = ".".join(torch.__version__.split(".")[:2])
CUDA_VERSION = torch.__version__.split("+")[-1]
print("torch: ", TORCH_VERSION, "; cuda: ", CUDA_VERSION)
# Install detectron2 that matches the above pytorch version
# See https://detectron2.readthedocs.io/tutorials/install.html for instructions
!pip install detectron2 -f https://dl.fbaipublicfiles.com/detectron2/wheels/$CUDA_VERSION/tor
# If there is not yet a detectron2 release that matches the given torch + CUDA version, you r
```

```
Collecting pyyaml==5.1
  Downloading PyYAML-5.1.tar.gz (274 kB)
        | 274 kB 5.4 MB/s
Building wheels for collected packages: pyyaml
  Building wheel for pyyaml (setup.py) ... done
  Created wheel for pyyaml: filename=PyYAML-5.1-cp37-cp37m-linux x86 64.whl size=44092
  Stored in directory: /root/.cache/pip/wheels/77/f5/10/d00a2bd30928b972790053b5de0c703
Successfully built pyyaml
Installing collected packages: pyyaml
 Attempting uninstall: pyvaml
    Found existing installation: PyYAML 3.13
   Uninstalling PyYAML-3.13:
     Successfully uninstalled PyYAML-3.13
Successfully installed pyyaml-5.1
torch: 1.10; cuda: cu111
Looking in links: https://dl.fbaipublicfiles.com/detectron2/wheels/cu111/torch1.10/inde
Collecting detectron2
  Downloading <a href="https://dl.fbaipublicfiles.com/detectron2/wheels/cu111/torch1.10/detectro">https://dl.fbaipublicfiles.com/detectron2/wheels/cu111/torch1.10/detectro</a>
                            7.0 MB 759 kB/s
Collecting omegaconf>=2.1
  Downloading omegaconf-2.1.1-py3-none-any.whl (74 kB)
                   | 74 kB 2.3 MB/s
Requirement already satisfied: tensorboard in /usr/local/lib/python3.7/dist-packages (f
Requirement already satisfied: pydot in /usr/local/lib/python3.7/dist-packages (from de
Collecting black==21.4b2
  Downloading black-21.4b2-py3-none-any.whl (130 kB)
                130 kB 11.1 MB/s
Requirement already satisfied: Pillow>=7.1 in /usr/local/lib/python3.7/dist-packages (f
Requirement already satisfied: pycocotools>=2.0.2 in /usr/local/lib/python3.7/dist-pack
Requirement already satisfied: cloudpickle in /usr/local/lib/python3.7/dist-packages (f
Requirement already satisfied: termcolor>=1.1 in /usr/local/lib/python3.7/dist-packages
Requirement already satisfied: tabulate in /usr/local/lib/python3.7/dist-packages (from
Collecting iopath<0.1.10,>=0.1.7
  Downloading iopath-0.1.9-py3-none-any.whl (27 kB)
Collecting yacs>=0.1.8
  Downloading yacs-0.1.8-py3-none-any.whl (14 kB)
Requirement already satisfied: tqdm>4.29.0 in /usr/local/lib/python3.7/dist-packages (f
Requirement already satisfied: future in /usr/local/lib/python3.7/dist-packages (from d
Collecting fvcore<0.1.6,>=0.1.5
  Downloading fvcore-0.1.5.post20211023.tar.gz (49 kB)
                        49 kB 5.6 MB/s
Collecting hydra-core>=1.1
  Downloading hydra_core-1.1.1-py3-none-any.whl (145 kB)
       | 145 kB 38.9 MB/s
Requirement already satisfied: matplotlib in /usr/local/lib/python3.7/dist-packages (fr
Requirement already satisfied: appdirs in /usr/local/lib/python3.7/dist-packages (from
Collecting regex>=2020.1.8
  Downloading regex-2021.11.10-cp37-cp37m-manylinux 2 17 x86 64.manylinux2014 x86 64.wh
       Collecting mypy-extensions>=0.4.3
  Downloading mypy extensions-0.4.3-py2.py3-none-any.whl (4.5 kB)
Collecting typed-ast>=1.4.2
  Downloading typed_ast-1.5.0-cp37-cp37m-manylinux_2_5_x86_64.manylinux1_x86_64.manylin
       | 843 kB 26.3 MB/s
Requirement already satisfied: toml>=0.10.1 in /usr/local/lib/python3.7/dist-packages (
Requirement already satisfied: typing-extensions>=3.7.4 in /usr/local/lib/python3.7/dis
Collecting pathspec<1,>=0.8.1
```

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Downloading pathspec-0.9.0-py2.py3-none-any.whl (31 kB)
     Requirement already satisfied: click>=7.1.2 in /usr/local/lib/python3.7/dist-packages (
     Requirement already satisfied: numpy in /usr/local/lib/python3.7/dist-packages (from fv
     Requirement already satisfied: pyyaml>=5.1 in /usr/local/lib/python3.7/dist-packages (f
     Requirement already satisfied: importlib-resources in /usr/local/lib/python3.7/dist-pac
     Collecting antlr4-python3-runtime==4.8
       Downloading antlr4-python3-runtime-4.8.tar.gz (112 kB)
                                 112 kB 51.3 MB/s
     Collecting portalocker
       Downloading portalocker-2.3.2-py2.py3-none-any.whl (15 kB)
     Requirement already satisfied: cython>=0.27.3 in /usr/local/lib/python3.7/dist-packages
     Requirement already satisfied: setuptools>=18.0 in /usr/local/lib/python3.7/dist-packag
     Requirement already satisfied: python-dateutil>=2.1 in /usr/local/lib/python3.7/dist-pa
     Requirement already satisfied: kiwisolver>=1.0.1 in /usr/local/lib/python3.7/dist-packa
     Requirement already satisfied: cycler>=0.10 in /usr/local/lib/python3.7/dist-packages (
     Requirement already satisfied: pyparsing!=2.0.4,!=2.1.2,!=2.1.6,>=2.0.1 in /usr/local/l
     Requirement already satisfied: six>=1.5 in /usr/local/lib/python3.7/dist-packages (from
     Requirement already satisfied: zipp>=3.1.0 in /usr/local/lib/python3.7/dist-packages (f
     Requirement already satisfied: tensorboard-data-server<0.7.0,>=0.6.0 in /usr/local/lib/
     Requirement already satisfied: protobuf>=3.6.0 in /usr/local/lib/python3.7/dist-package
     Requirement already satisfied: absl-ny>=0 4 in /usr/local/lih/nython3 7/dist-nackages (
import detectron2
from detectron2.utils.logger import setup logger
setup logger()
# import some common libraries
import numpy as np
import os, json, cv2, random
from google.colab.patches import cv2 imshow
# import some common detectron2 utilities
from detectron2 import model zoo
from detectron2.engine import DefaultPredictor
from detectron2.config import get cfg
from detectron2.utils.visualizer import Visualizer
from detectron2.data import MetadataCatalog, DatasetCatalog
from detectron2.evaluation import PascalVOCDetectionEvaluator
     Building ubaala Kan aallaabad maabaaaa. Kusama sabting mubbang mubban
!wget http://host.robots.ox.ac.uk/pascal/VOC/voc2007/VOCtrainval_06-Nov-2007.tar
!tar -xvf VOCtrainval_06-Nov-2007.tar
     vucaevkit/vuczuu//segmentationubject/uub/zz.png
     VOCdevkit/VOC2007/SegmentationObject/008747.png
     VOCdevkit/VOC2007/SegmentationObject/008764.png
     VOCdevkit/VOC2007/SegmentationObject/008801.png
     VOCdevkit/VOC2007/SegmentationObject/008815.png
     VOCdevkit/VOC2007/SegmentationObject/008927.png
     VOCdevkit/VOC2007/SegmentationObject/008932.png
     VOCdevkit/VOC2007/SegmentationObject/008944.png
     VOCdevkit/VOC2007/SegmentationObject/008948.png
     VOCdevkit/VOC2007/SegmentationObject/008973.png
     VOCdevkit/VOC2007/SegmentationObject/008980.png
     VOCdevkit/VOC2007/SegmentationObject/009015.png
     VOCdevkit/VOC2007/SegmentationObject/009068.png
     VOCdevkit/VOC2007/SegmentationObject/009209.png
```

```
VUCaevkit/VUCZ00//SegmentationUDject/009221.png
VOCdevkit/VOC2007/SegmentationObject/009245.png
VOCdevkit/VOC2007/SegmentationObject/009251.png
VOCdevkit/VOC2007/SegmentationObject/009252.png
VOCdevkit/VOC2007/SegmentationObject/009295.png
VOCdevkit/VOC2007/SegmentationObject/009323.png
VOCdevkit/VOC2007/SegmentationObject/009327.png
VOCdevkit/VOC2007/SegmentationObject/009331.png
VOCdevkit/VOC2007/SegmentationObject/009348.png
VOCdevkit/VOC2007/SegmentationObject/009392.png
VOCdevkit/VOC2007/SegmentationObject/009413.png
VOCdevkit/VOC2007/SegmentationObject/009419.png
VOCdevkit/VOC2007/SegmentationObject/009422.png
VOCdevkit/VOC2007/SegmentationObject/009446.png
VOCdevkit/VOC2007/SegmentationObject/009458.png
VOCdevkit/VOC2007/SegmentationObject/009464.png
VOCdevkit/VOC2007/SegmentationObject/009527.png
VOCdevkit/VOC2007/SegmentationObject/009533.png
VOCdevkit/VOC2007/SegmentationObject/009550.png
VOCdevkit/VOC2007/SegmentationObject/009562.png
VOCdevkit/VOC2007/SegmentationObject/009580.png
VOCdevkit/VOC2007/SegmentationObject/009597.png
VOCdevkit/VOC2007/SegmentationObject/009605.png
VOCdevkit/VOC2007/SegmentationObject/009618.png
VOCdevkit/VOC2007/SegmentationObject/009649.png
VOCdevkit/VOC2007/SegmentationObject/009654.png
VOCdevkit/VOC2007/SegmentationObject/009655.png
VOCdevkit/VOC2007/SegmentationObject/009684.png
VOCdevkit/VOC2007/SegmentationObject/009687.png
VOCdevkit/VOC2007/SegmentationObject/009691.png
VOCdevkit/VOC2007/SegmentationObject/009706.png
VOCdevkit/VOC2007/SegmentationObject/009709.png
VOCdevkit/VOC2007/SegmentationObject/009724.png
VOCdevkit/VOC2007/SegmentationObject/009756.png
VOCdevkit/VOC2007/SegmentationObject/009764.png
VOCdevkit/VOC2007/SegmentationObject/009794.png
VOCdevkit/VOC2007/SegmentationObject/009807.png
VOCdevkit/VOC2007/SegmentationObject/009832.png
VOCdevkit/VOC2007/SegmentationObject/009841.png
VOCdevkit/VOC2007/SegmentationObject/009897.png
VOCdevkit/VOC2007/SegmentationObject/009911.png
VOCdevkit/VOC2007/SegmentationObject/009923.png
VOCdevkit/VOC2007/SegmentationObject/009938.png
VOCdevkit/VOC2007/SegmentationObject/009947.png
VOCdevkit/VOC2007/SegmentationObject/009950.png
```

!mv VOCdevkit datasets

```
from detectron2.engine import DefaultTrainer
```

```
cfg = get_cfg()
cfg.merge_from_file(model_zoo.get_config_file("COCO-Detection/retinanet_R_50_FPN_3x.yaml"))
cfg.OUTPUT_DIR = 'MyVOCTraining'
cfg.DATASETS.TRAIN = ("voc_2007_train",)
cfg.DATASETS.TEST = ()
```

```
Untitled1.ipynb - Colaboratory
cfg.DATALOADER.NUM WORKERS = 1
cfg.MODEL.WEIGHTS = model_zoo.get_checkpoint_url("COCO-Detection/retinanet_R_50_FPN_3x.yaml")
cfg.SOLVER.IMS PER BATCH = 1
cfg.SOLVER.BASE_LR = 0.0001 # pick a good LR
cfg.SOLVER.MAX ITER = 3000
cfg.MODEL.ROI HEADS.BATCH SIZE PER IMAGE = 128
cfg.MODEL.ROI HEADS.NUM CLASSES = 20
os.makedirs(cfg.OUTPUT_DIR, exist_ok=True)
trainer = DefaultTrainer(cfg)
trainer.resume or load(resume=False)
trainer.train()
                                                                     total_loss: 0.5091
     [11/18 20:33:13 d2.utils.events]:
                                          eta: 0:14:08
                                                        iter: 1919
                                                                                          los 🔺
     [11/18 20:33:28 d2.utils.events]:
                                                        iter: 1939
                                                                     total loss: 0.2309
                                          eta: 0:13:52
                                                                                          los
     [11/18 20:33:44 d2.utils.events]:
                                          eta: 0:13:35
                                                        iter: 1959
                                                                     total loss: 0.3787
                                                                                          los
     [11/18 20:33:59 d2.utils.events]:
                                          eta: 0:13:19
                                                        iter: 1979
                                                                     total loss: 0.4733
                                                                                          los
     [11/18 20:34:15 d2.utils.events]:
                                                        iter: 1999
                                          eta: 0:13:04
                                                                     total loss: 0.2636
                                                                                          los
     [11/18 20:34:30 d2.utils.events]:
                                                                     total loss: 0.3307
                                          eta: 0:12:48
                                                        iter: 2019
                                                                                          los
     [11/18 20:34:46 d2.utils.events]:
                                          eta: 0:12:31
                                                        iter: 2039
                                                                     total_loss: 0.3108
                                                                                          los
     [11/18 20:35:01 d2.utils.events]:
                                                        iter: 2059
                                          eta: 0:12:15
                                                                     total loss: 0.3146
                                                                                          los
     [11/18 20:35:16 d2.utils.events]:
                                          eta: 0:12:00
                                                        iter: 2079
                                                                     total loss: 0.4217
                                                                                          los
     [11/18 20:35:32 d2.utils.events]:
                                                        iter: 2099
                                                                     total loss: 0.2993
                                                                                          los
                                          eta: 0:11:45
     [11/18 20:35:47 d2.utils.events]:
                                                        iter: 2119
                                                                     total loss: 0.3754
                                          eta: 0:11:28
                                                                                          los
     [11/18 20:36:03 d2.utils.events]:
                                          eta: 0:11:11
                                                        iter: 2139
                                                                     total loss: 0.3669
                                                                                          los
     [11/18 20:36:19 d2.utils.events]:
                                          eta: 0:10:54
                                                        iter: 2159
                                                                     total_loss: 0.5506
                                                                                          los
     [11/18 20:36:34 d2.utils.events]:
                                          eta: 0:10:41
                                                        iter: 2179
                                                                     total loss: 0.416
                                                                                         loss
     [11/18 20:36:50 d2.utils.events]:
                                          eta: 0:10:26
                                                        iter: 2199
                                                                     total loss: 0.2713
                                                                                          los
     [11/18 20:37:05 d2.utils.events]:
                                                        iter: 2219
                                                                     total loss: 0.2383
                                          eta: 0:10:10
                                                                                          los
     [11/18 20:37:20 d2.utils.events]:
                                                        iter: 2239
                                          eta: 0:09:53
                                                                     total_loss: 0.2838
                                                                                          los
     [11/18 20:37:36 d2.utils.events]:
                                                        iter: 2259
                                                                     total loss: 0.4469
                                          eta: 0:09:37
                                                                                          los
     [11/18 20:37:52 d2.utils.events]:
                                          eta: 0:09:22
                                                        iter: 2279
                                                                     total loss: 0.2978
                                                                                          los
     [11/18 20:38:08 d2.utils.events]:
                                          eta: 0:09:06
                                                        iter: 2299
                                                                     total_loss: 0.3353
                                                                                          los
     [11/18 20:38:25 d2.utils.events]:
                                          eta: 0:08:52
                                                        iter: 2319
                                                                     total loss: 0.4355
                                                                                          los
     [11/18 20:38:41 d2.utils.events]:
                                          eta: 0:08:37
                                                        iter: 2339
                                                                     total loss: 0.2347
                                                                                          los
                                                                     total loss: 0.3628
     [11/18 20:38:58 d2.utils.events]:
                                                        iter: 2359
                                          eta: 0:08:22
                                                                                          los
     [11/18 20:39:12 d2.utils.events]:
                                          eta: 0:08:06
                                                        iter: 2379
                                                                     total loss: 0.4204
                                                                                          los
     [11/18 20:39:28 d2.utils.events]:
                                          eta: 0:07:51
                                                        iter: 2399
                                                                     total_loss: 0.2305
                                                                                          los
     [11/18 20:39:44 d2.utils.events]:
                                          eta: 0:07:36
                                                        iter: 2419
                                                                     total_loss: 0.2895
                                                                                          los
     [11/18 20:39:59 d2.utils.events]:
                                          eta: 0:07:19
                                                        iter: 2439
                                                                     total loss: 0.3893
                                                                                          los
                                                                     total loss: 0.3144
     [11/18 20:40:14 d2.utils.events]:
                                          eta: 0:07:04
                                                        iter: 2459
                                                                                          los
     [11/18 20:40:29 d2.utils.events]:
                                          eta: 0:06:48
                                                        iter: 2479
                                                                     total loss: 0.354
                                                                                         loss
     [11/18 20:40:45 d2.utils.events]:
                                          eta: 0:06:33
                                                        iter: 2499
                                                                     total loss: 0.3286
                                                                                         los
     [11/18 20:41:02 d2.utils.events]:
                                          eta: 0:06:18
                                                        iter: 2519
                                                                     total loss: 0.384
                                                                                         loss
     [11/18 20:41:18 d2.utils.events]:
                                                        iter: 2539
                                                                     total_loss: 0.2953
                                                                                          los
                                          eta: 0:06:02
                                                        iter: 2559
                                                                     total loss: 0.4076
     [11/18 20:41:33 d2.utils.events]:
                                          eta: 0:05:47
                                                                                          los
     [11/18 20:41:49 d2.utils.events]:
                                          eta: 0:05:31
                                                        iter: 2579
                                                                     total loss: 0.3293
                                                                                          los
                                                                     total_loss: 0.2555
     [11/18 20:42:04 d2.utils.events]:
                                          eta: 0:05:15
                                                        iter: 2599
                                                                                          los
     [11/18 20:42:20 d2.utils.events]:
                                          eta: 0:05:00
                                                        iter: 2619
                                                                     total loss: 0.2009
                                                                                          los
```

eta: 0:04:43

eta: 0:04:28

eta: 0:04:12

eta: 0:03:56

eta: 0:03:40

eta: 0:03:24 0+2. 0.03.00 iter: 2639

iter: 2659

iter: 2679

iter: 2699

iter: 2719

iter: 2739

itan. 2750

total\_loss: 0.2147

total loss: 0.2838

total loss: 0.3142

total loss: 0.2127

total loss: 0.304

total locc. 0 315

total loss: 0.2223

[11/18 20:42:35 d2.utils.events]:

[11/18 20:42:51 d2.utils.events]:

[11/18 20:43:06 d2.utils.events]:

[11/18 20:43:21 d2.utils.events]:

[11/18 20:43:37 d2.utils.events]:

[11/18 20:43:53 d2.utils.events]:

[11/10 70·11·00 d) utile avantal.

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                                                  ILCI . 4/JJ
                                                              רחרשת דחססי מיסדי
                                                                                  TODS
[11/18 20:44:24 d2.utils.events]:
                                   eta: 0:02:53
                                                              total loss: 0.2391
                                                  iter: 2779
                                                                                  los
[11/18 20:44:39 d2.utils.events]:
                                   eta: 0:02:37
                                                  iter: 2799
                                                              total loss: 0.4163
                                                                                  los
[11/18 20:44:55 d2.utils.events]:
                                   eta: 0:02:21
                                                  iter: 2819
                                                              total loss: 0.2607
                                                                                  los
[11/18 20:45:11 d2.utils.events]:
                                                  iter: 2839
                                                              total loss: 0.2613
                                   eta: 0:02:06
                                                                                  los
[11/18 20:45:27 d2.utils.events]:
                                   eta: 0:01:50
                                                  iter: 2859
                                                              total loss: 0.2303
                                                                                  los
[11/18 20:45:42 d2.utils.events]:
                                                  iter: 2879
                                                              total loss: 0.294
                                   eta: 0:01:34
                                                                                 loss
[11/18 20:45:58 d2.utils.events]:
                                                  iter: 2899
                                                              total loss: 0.1452
                                   eta: 0:01:18
                                                                                  los
[11/18 20:46:13 d2.utils.events]:
                                   eta: 0:01:03
                                                  iter: 2919
                                                              total loss: 0.2154
                                                                                  los
[11/18 20:46:28 d2.utils.events]:
                                   eta: 0:00:47
                                                  iter: 2939
                                                              total_loss: 0.3519
                                                                                  los
[11/18 20:46:44 d2.utils.events]:
                                                  iter: 2959
                                                              total loss: 0.2633
                                   eta: 0:00:31
                                                                                  los
                                                              total_loss: 0.3403
[11/18 20:47:00 d2.utils.events]:
                                   eta: 0:00:15
                                                  iter: 2979
                                                                                  los
[11/18 20:47:16 d2.utils.events]:
                                   eta: 0:00:00 iter: 2999
                                                              total loss: 0.249 loss
[11/18 20:47:17 d2.engine.hooks]: Overall training speed: 2998 iterations in 0:39:05
[11/18 20:47:17 d2.engine.hooks]: Total training time: 0:39:07 (0:00:02 on hooks)
```

# Look at training curves in tensorboard:
%reload\_ext tensorboard
%tensorboard --logdir MyVOCTraining/

```
TensorBoard SCALARS TIME SEF INACTIVE

Show data download links
Ignore outliers in chart scaling
Tooltip sorting method:

default 
eta_seconds
```

# Inference should use the config with parameters that are used in training
# cfg now already contains everything we've set previously. We changed it a little bit for ir
cfg.MODEL.WEIGHTS = os.path.join(cfg.OUTPUT\_DIR, "model\_final.pth") # path to the model we j
cfg.MODEL.ROI\_HEADS.SCORE\_THRESH\_TEST = 0.7 # set a custom testing threshold
predictor = DefaultPredictor(cfg)

from detectron2.evaluation import PascalVOCDetectionEvaluator, inference\_on\_dataset
from detectron2.data import build\_detection\_test\_loader
evaluator = PascalVOCDetectionEvaluator("voc\_2007\_val")
val\_loader = build\_detection\_test\_loader(cfg, "voc\_2007\_val")
print(inference\_on\_dataset(predictor.model, val\_loader, evaluator))

category	#instances	category	#instances	category	#instances
::	:	::	:	::	:
aeroplane	175	bicycle	216	bird	305
boat	190	bottle	296	bus	141
car	818	cat	198	chair	706
COW	171	diningtable	162	dog	267
horse	199	motorbike	197	person	2742
pottedplant	320	sheep	162	sofa	207
train	170	tvmonitor	176		
total	7818			İ	į l
11/18 20:49:53	2 d2.data.datas	et_mapper]: [D	atasetMapper]	Augmentations	used in infer
11/18 20:49:5	2 d2.data.commo	n]: Serializin	g 2510 elemen	ts to byte tens	ors and conca
11/18 20:49:5	2 d2.data.commo	n]: Serialized	dataset take	s 1.14 MiB	
11/18 20:49:5	2 d2.evaluation	.evaluator]: S	tart inferenc	e on 2510 batch	es
				ures/image_list	
<pre>max_size = (r</pre>	max_size + (str	ide - 1)) // s <sup>.</sup>	tride * strid	e	
11/18 20.40.50	C 42 1 + +				
11/10 ZU.43.J	o dz.evaluation	.evaluator]: I	nference done	11/2510. Datal	oading: 0.001
		-		11/2510. Datale 25/2510. Datale	•
11/18 20:50:0	2 d2.evaluation	.evaluator]: I	nference done		oading: 0.002
11/18 20:50:03 11/18 20:50:03	2 d2.evaluation 7 d2.evaluation	.evaluator]: I .evaluator]: I	nference done nference done	25/2510. Datale 39/2510. Datale	oading: 0.002 oading: 0.002
11/18 20:50:03 11/18 20:50:03 11/18 20:50:13	2 d2.evaluation 7 d2.evaluation 2 d2.evaluation	.evaluator]: I .evaluator]: I .evaluator]: I	nference done nference done nference done	25/2510. Datal	oading: 0.002 oading: 0.002 oading: 0.002
11/18 20:50:00 11/18 20:50:00 11/18 20:50:10 11/18 20:50:10	2 d2.evaluation 7 d2.evaluation 2 d2.evaluation 7 d2.evaluation	.evaluator]: I .evaluator]: I .evaluator]: I .evaluator]: I	nference done nference done nference done nference done	25/2510. Datalo 39/2510. Datalo 53/2510. Datalo 67/2510. Datalo	oading: 0.002 oading: 0.002 oading: 0.002 oading: 0.002
11/18 20:50:03 11/18 20:50:03 11/18 20:50:13 11/18 20:50:13 11/18 20:50:23	2 d2.evaluation 7 d2.evaluation 2 d2.evaluation 7 d2.evaluation 2 d2.evaluation	.evaluator]: I .evaluator]: I .evaluator]: I .evaluator]: I .evaluator]: I	nference done nference done nference done nference done nference done	25/2510. Datalo 39/2510. Datalo 53/2510. Datalo 67/2510. Datalo 81/2510. Datalo	oading: 0.002 oading: 0.002 oading: 0.002 oading: 0.002 oading: 0.002
11/18 20:50:07 11/18 20:50:07 11/18 20:50:17 11/18 20:50:17 11/18 20:50:27 11/18 20:50:27	2 d2.evaluation 7 d2.evaluation 2 d2.evaluation 7 d2.evaluation 2 d2.evaluation 7 d2.evaluation	.evaluator]: I .evaluator]: I .evaluator]: I .evaluator]: I .evaluator]: I .evaluator]: I	nference done nference done nference done nference done nference done nference done	25/2510. Datal 39/2510. Datal 53/2510. Datal 67/2510. Datal 81/2510. Datal 94/2510. Datal	oading: 0.002 oading: 0.002 oading: 0.002 oading: 0.002 oading: 0.002 oading: 0.002
11/18 20:50:03 11/18 20:50:03 11/18 20:50:13 11/18 20:50:13 11/18 20:50:23 11/18 20:50:23 11/18 20:50:33	2 d2.evaluation 7 d2.evaluation 2 d2.evaluation 7 d2.evaluation 2 d2.evaluation 4 d2.evaluation 2 d2.evaluation 2 d2.evaluation	.evaluator]: I	nference done nference done nference done nference done nference done nference done	25/2510. Datalo 39/2510. Datalo 53/2510. Datalo 67/2510. Datalo 81/2510. Datalo 94/2510. Datalo 108/2510. Datalo	oading: 0.002 oading: 0.002 oading: 0.002 oading: 0.002 oading: 0.002 oading: 0.002 loading: 0.00
11/18 20:50:00 11/18 20:50:00 11/18 20:50:10 11/18 20:50:10 11/18 20:50:20 11/18 20:50:20 11/18 20:50:30 11/18 20:50:30	2 d2.evaluation 7 d2.evaluation 2 d2.evaluation 7 d2.evaluation 2 d2.evaluation 7 d2.evaluation 2 d2.evaluation 7 d2.evaluation 7 d2.evaluation 7 d2.evaluation	.evaluator]: I	nference done	25/2510. Datal 39/2510. Datal 53/2510. Datal 67/2510. Datal 81/2510. Datal 94/2510. Datal	oading: 0.002 oading: 0.002 oading: 0.002 oading: 0.002 oading: 0.002 oading: 0.002 loading: 0.002

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[11/18 20:50:53 d2.evaluation.evaluator]: Inference done 162/2510. Dataloading: 0.00
[11/18 20:50:58 d2.evaluation.evaluator]: Inference done 176/2510. Dataloading: 0.00
[11/18 20:51:03 d2.evaluation.evaluator]: Inference done 190/2510. Dataloading: 0.00
[11/18 20:51:08 d2.evaluation.evaluator]: Inference done 203/2510. Dataloading: 0.00
[11/18 20:51:14 d2.evaluation.evaluator]: Inference done 217/2510. Dataloading: 0.00
[11/18 20:51:19 d2.evaluation.evaluator]: Inference done 231/2510. Dataloading: 0.00
[11/18 20:51:24 d2.evaluation.evaluator]: Inference done 245/2510. Dataloading: 0.00
[11/18 20:51:29 d2.evaluation.evaluator]: Inference done 259/2510. Dataloading: 0.00
[11/18 20:51:35 d2.evaluation.evaluator]: Inference done 273/2510. Dataloading: 0.00
[11/18 20:51:40 d2.evaluation.evaluator]: Inference done 286/2510. Dataloading: 0.00
[11/18 20:51:45 d2.evaluation.evaluator]: Inference done 300/2510. Dataloading: 0.00
[11/18 20:51:50 d2.evaluation.evaluator]: Inference done 314/2510. Dataloading: 0.00
[11/18 20:51:55 d2.evaluation.evaluator]: Inference done 327/2510. Dataloading: 0.00
[11/18 20:52:00 d2.evaluation.evaluator]: Inference done 340/2510. Dataloading: 0.00
[11/18 20:52:05 d2.evaluation.evaluator]: Inference done 354/2510. Dataloading: 0.00
[11/18 20:52:10 d2.evaluation.evaluator]: Inference done 367/2510. Dataloading: 0.00
[11/18 20:52:15 d2.evaluation.evaluator]: Inference done 381/2510. Dataloading: 0.00
[11/18 20:52:21 d2.evaluation.evaluator]: Inference done 395/2510. Dataloading: 0.00
[11/18 20:52:26 d2.evaluation.evaluator]: Inference done 409/2510. Dataloading: 0.00
[11/18 20:52:31 d2.evaluation.evaluator]: Inference done 423/2510. Dataloading: 0.00
[11/18 20:52:36 d2.evaluation.evaluator]: Inference done 437/2510. Dataloading: 0.00
[11/18 20:52:42 d2.evaluation.evaluator]: Inference done 451/2510. Dataloading: 0.00
[11/18 20:52:47 d2.evaluation.evaluator]: Inference done 465/2510. Dataloading: 0.00
[11/18 20:52:52 d2.evaluation.evaluator]: Inference done 479/2510. Dataloading: 0.00
[11/18 20:52:57 d2.evaluation.evaluator]: Inference done 493/2510. Dataloading: 0.00
[11/18 20:53:03 d2.evaluation.evaluator]: Inference done 507/2510. Dataloading: 0.00
[11/18 20:53:08 d2.evaluation.evaluator]: Inference done 521/2510. Dataloading: 0.00
[11/18 20:53:13 d2.evaluation.evaluator]: Inference done 534/2510. Dataloading: 0.00
[11/18 20:53:18 d2.evaluation.evaluator]: Inference done 548/2510. Dataloading: 0.0€ ▼
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[11/18 21:17:33 d2.data.build]: Removed 0 images with no usable annotations. 2510 image
/usr/local/lib/python3.7/dist-packages/detectron2/structures/image\_list.py:88: UserWarn
max\_size = (max\_size + (stride - 1)) // stride \* stride



✓ 3s completed at 1:17 PM

×