

setup

```
In [ ]: !git clone https://github.com/ultralytics/yolov5 # clone
        %cd yolov5
        %pip install -qr requirements.txt # install

import torch
from yolov5 import utils
display = utils.notebook_init() # checks
```

YOLOv5 🚀 v7.0-135-g9dd0ad3 Python-3.9.16 torch-2.0.0+cu118 CUDA:0 (Tesla T4, 15102MiB)
Setup complete ✅ (2 CPUs, 12.7 GB RAM, 23.3/78.2 GB disk)

Unzip training folder

```
In [ ]: #Unzip your data here
        !unzip -q /content/training.zip -d ../
```

Traning the model

```
In [ ]: # Train YOLOv5s on COCO128 for 3 epochs
        !python train.py --img 640 --batch 16 --epochs 60 --data /content/yolov5/dat
```


2023-04-08 21:15:56.933036: I tensorflow/core/platform/cpu_feature_guard.cc:182] This TensorFlow binary is optimized to use available CPU instructions in performance-critical operations.

To enable the following instructions: AVX2 AVX512F FMA, in other operations, rebuild TensorFlow with the appropriate compiler flags.


2023-04-08 21:15:57.863730: W tensorflow/compiler/tf2tensorrt/utils/py_utils.cc:38] TF-TRT Warning: Could not find TensorRT


train: weights=yolov5s.pt, cfg=, data=/content/yolov5/data/custom-coco128.yaml, hyp=data/hyps/hyp.scratch-low.yaml, epochs=60, batch_size=16, imgsz=640, rect=False, resume=False, nosave=False, noval=False, noautoanchor=False, noplots=False, evolve=None, bucket=, cache=ram, image_weights=False, device=, multi_scale=False, single_cls=False, optimizer=SGD, sync_bn=False, workers=8, project=runs/train, name=exp, exist_ok=False, quad=False, cos_lr=False, label_smoothing=0.0, patience=100, freeze=[0], save_period=-1, seed=0, local_rank=-1, entity=None, upload_dataset=False, bbox_interval=-1, artifact_alias=latest

github: up to date with <https://github.com/ultralytics/yolov5> 

YOLOv5  v7.0-135-g9dd0ad3 Python-3.9.16 torch-2.0.0+cu118 CUDA:0 (Tesla T4, 15102MiB)

hyperparameters: lr0=0.01, lrf=0.01, momentum=0.937, weight_decay=0.0005, warmup_epochs=3.0, warmup_momentum=0.8, warmup_bias_lr=0.1, box=0.05, cls=0.5, cls_pw=1.0, obj=1.0, obj_pw=1.0, iou_t=0.2, anchor_t=4.0, fl_gamma=0.0, hsv_h=0.015, hsv_s=0.7, hsv_v=0.4, degrees=0.0, translate=0.1, scale=0.5, shear=0.0, perspective=0.0, flipud=0.0,fliplr=0.5, mosaic=1.0, mixup=0.0, copy_paste=0.0

ClearML: run 'pip install clearml' to automatically track, visualize and remotely train YOLOv5  in ClearML

Comet: run 'pip install comet_ml' to automatically track and visualize YOLOv5  runs in Comet

TensorBoard: Start with 'tensorboard --logdir runs/train', view at <http://localhost:6006/>

Overriding model.yaml nc=80 with nc=1

	from	n	params	module
arguments				
0	-1	1	3520	models.common.Conv
[3, 32, 6, 2, 2]				
1	-1	1	18560	models.common.Conv
[32, 64, 3, 2]				
2	-1	1	18816	models.common.C3
[64, 64, 1]				
3	-1	1	73984	models.common.Conv
[64, 128, 3, 2]				
4	-1	2	115712	models.common.C3
[128, 128, 2]				
5	-1	1	295424	models.common.Conv
[128, 256, 3, 2]				
6	-1	3	625152	models.common.C3
[256, 256, 3]				
7	-1	1	1180672	models.common.Conv
[256, 512, 3, 2]				
8	-1	1	1182720	models.common.C3
[512, 512, 1]				
9	-1	1	656896	models.common.SPPF
[512, 512, 5]				

```

10          -1  1    131584  models.common.Conv
[512, 256, 1, 1]
11          -1  1         0  torch.nn.modules.upsampling.Upsample
[None, 2, 'nearest']
12         [-1, 6]  1         0  models.common.Concat
[1]
13          -1  1    361984  models.common.C3
[512, 256, 1, False]
14          -1  1    33024  models.common.Conv
[256, 128, 1, 1]
15          -1  1         0  torch.nn.modules.upsampling.Upsample
[None, 2, 'nearest']
16         [-1, 4]  1         0  models.common.Concat
[1]
17          -1  1     90880  models.common.C3
[256, 128, 1, False]
18          -1  1    147712  models.common.Conv
[128, 128, 3, 2]
19         [-1, 14]  1         0  models.common.Concat
[1]
20          -1  1   296448  models.common.C3
[256, 256, 1, False]
21          -1  1   590336  models.common.Conv
[256, 256, 3, 2]
22         [-1, 10]  1         0  models.common.Concat
[1]
23          -1  1   1182720  models.common.C3
[512, 512, 1, False]
24    [17, 20, 23]  1     16182  models.yolo.Detect
[1, [[10, 13, 16, 30, 33, 23], [30, 61, 62, 45, 59, 119], [116, 90, 156, 19
8, 373, 326]], [128, 256, 512]]
Model summary: 214 layers, 7022326 parameters, 7022326 gradients, 15.9 GFLOP
s

```

Transferred 343/349 items from yolov5s.pt

AMP: checks passed 

optimizer: SGD(lr=0.01) with parameter groups 57 weight(decay=0.0), 60 weight(decay=0.0005), 60 bias


augmentations: Blur(p=0.01, blur_limit=(3, 7)), MedianBlur(p=0.01, blur_limit=(3, 7)), ToGray(p=0.01), CLAHE(p=0.01, clip_limit=(1, 4.0), tile_grid_size=(8, 8))

train: Scanning /content/training/labels/train.cache... 63 images, 0 backgrounds, 0 corrupt: 100% 63/63 [00:00<?, ?it/s]

train: Caching images (0.1GB ram): 100% 63/63 [00:00<00:00, 409.19it/s]

val: Scanning /content/training/labels/val.cache... 20 images, 0 backgrounds, 0 corrupt: 100% 20/20 [00:00<?, ?it/s]

val: Caching images (0.0GB ram): 100% 20/20 [00:00<00:00, 229.15it/s]

AutoAnchor: 3.14 anchors/target, 1.000 Best Possible Recall (BPR). Current anchors are a good fit to dataset 

Plotting labels to runs/train/exp2/labels.jpg...

Image sizes 640 train, 640 val

Using 2 dataloader workers

Logging results to **runs/train/exp2**

Starting training for 60 epochs...

```

Epoch      GPU_mem    box_loss    obj_loss    cls_loss    Instances    Siz
e
    0/59      3.46G      0.1176      0.03599      0          47          64
0: 100% 4/4 [00:04<00:00, 1.10s/it]
      Class      Images  Instances      P      R      mAP5
0  mAP50-95: 100% 1/1 [00:01<00:00, 1.30s/it]
      all          20          38      0.00859      0.211      0.0066
4  0.00175

```

```

Epoch      GPU_mem    box_loss    obj_loss    cls_loss    Instances    Siz
e
    1/59      3.67G      0.1265      0.03595      0          61          64
0: 100% 4/4 [00:00<00:00, 4.22it/s]
      Class      Images  Instances      P      R      mAP5
0  mAP50-95: 100% 1/1 [00:01<00:00, 1.52s/it]
      all          20          38      0.00566      0.342      0.0056
7  0.00143

```

```

Epoch      GPU_mem    box_loss    obj_loss    cls_loss    Instances    Siz
e
    2/59      3.67G      0.1095      0.03557      0          54          64
0: 100% 4/4 [00:00<00:00, 4.35it/s]
      Class      Images  Instances      P      R      mAP5
0  mAP50-95: 100% 1/1 [00:00<00:00, 1.08it/s]
      all          20          38      0.005      0.789      0.023
1  0.00486

```

```

Epoch      GPU_mem    box_loss    obj_loss    cls_loss    Instances    Siz
e
    3/59      3.67G      0.08846      0.03805      0          51          64
0: 100% 4/4 [00:00<00:00, 4.79it/s]
      Class      Images  Instances      P      R      mAP5
0  mAP50-95: 100% 1/1 [00:00<00:00, 1.41it/s]
      all          20          38      0.00566      0.763      0.024
7  0.00701

```

```

Epoch      GPU_mem    box_loss    obj_loss    cls_loss    Instances    Siz
e
    4/59      3.67G      0.09307      0.03768      0          50          64
0: 100% 4/4 [00:00<00:00, 4.95it/s]
      Class      Images  Instances      P      R      mAP5
0  mAP50-95: 100% 1/1 [00:00<00:00, 1.92it/s]
      all          20          38      0.0425      0.342      0.038
6  0.00973

```

```

Epoch      GPU_mem    box_loss    obj_loss    cls_loss    Instances    Siz
e
    5/59      3.67G      0.09676      0.03521      0          57          64
0: 100% 4/4 [00:00<00:00, 4.93it/s]
      Class      Images  Instances      P      R      mAP5
0  mAP50-95: 100% 1/1 [00:00<00:00, 2.34it/s]
      all          20          38      0.0367      0.789      0.062
8  0.0162

```

```

Epoch      GPU_mem    box_loss    obj_loss    cls_loss    Instances    Siz
e

```

	6/59	3.67G	0.08444	0.0358	0	50	64
0:	100% 4/4	[00:00<00:00,	5.04it/s]				
	Class	Images	Instances	P	R	mAP5	
0	mAP50-95: 100%	1/1	[00:00<00:00,	2.64it/s]			
	all	20	38	0.0462	0.895	0.11	
6	0.0326						
	Epoch	GPU_mem	box_loss	obj_loss	cls_loss	Instances	Siz
e							
	7/59	3.67G	0.07548	0.03518	0	59	64
0:	100% 4/4	[00:00<00:00,	5.10it/s]				
	Class	Images	Instances	P	R	mAP5	
0	mAP50-95: 100%	1/1	[00:00<00:00,	2.06it/s]			
	all	20	38	0.15	0.5	0.15	
9	0.05						
	Epoch	GPU_mem	box_loss	obj_loss	cls_loss	Instances	Siz
e							
	8/59	3.67G	0.07556	0.0356	0	58	64
0:	100% 4/4	[00:01<00:00,	3.94it/s]				
	Class	Images	Instances	P	R	mAP5	
0	mAP50-95: 100%	1/1	[00:00<00:00,	1.86it/s]			
	all	20	38	0.22	0.184	0.16	
8	0.0521						
	Epoch	GPU_mem	box_loss	obj_loss	cls_loss	Instances	Siz
e							
	9/59	3.67G	0.06702	0.03458	0	50	64
0:	100% 4/4	[00:00<00:00,	5.14it/s]				
	Class	Images	Instances	P	R	mAP5	
0	mAP50-95: 100%	1/1	[00:00<00:00,	3.74it/s]			
	all	20	38	0.333	0.316	0.24	
3	0.0719						
	Epoch	GPU_mem	box_loss	obj_loss	cls_loss	Instances	Siz
e							
	10/59	3.67G	0.07448	0.0326	0	54	64
0:	100% 4/4	[00:00<00:00,	5.03it/s]				
	Class	Images	Instances	P	R	mAP5	
0	mAP50-95: 100%	1/1	[00:00<00:00,	3.58it/s]			
	all	20	38	0.577	0.368	0.42	
7	0.13						
	Epoch	GPU_mem	box_loss	obj_loss	cls_loss	Instances	Siz
e							
	11/59	3.67G	0.07223	0.03277	0	53	64
0:	100% 4/4	[00:00<00:00,	5.08it/s]				
	Class	Images	Instances	P	R	mAP5	
0	mAP50-95: 100%	1/1	[00:00<00:00,	3.68it/s]			
	all	20	38	0.504	0.402	0.36	
6	0.138						
	Epoch	GPU_mem	box_loss	obj_loss	cls_loss	Instances	Siz
e							
	12/59	3.67G	0.06708	0.03445	0	59	64
0:	100% 4/4	[00:00<00:00,	5.04it/s]				

		Class	Images	Instances	P	R	mAP5
0	mAP50-95: 100%	1/1 [00:00<00:00,	4.01it/s]				
		all	20	38	0.385	0.474	0.4
1	0.175						
	Epoch	GPU_mem	box_loss	obj_loss	cls_loss	Instances	Siz
	13/59	3.67G	0.06357	0.03477	0	52	64
0:	100%	4/4 [00:00<00:00,	5.07it/s]				
		Class	Images	Instances	P	R	mAP5
0	mAP50-95: 100%	1/1 [00:00<00:00,	3.32it/s]				
		all	20	38	0.41	0.342	0.34
7	0.145						
	Epoch	GPU_mem	box_loss	obj_loss	cls_loss	Instances	Siz
	14/59	3.67G	0.06066	0.03035	0	48	64
0:	100%	4/4 [00:00<00:00,	5.10it/s]				
		Class	Images	Instances	P	R	mAP5
0	mAP50-95: 100%	1/1 [00:00<00:00,	4.41it/s]				
		all	20	38	0.476	0.553	0.45
8	0.22						
	Epoch	GPU_mem	box_loss	obj_loss	cls_loss	Instances	Siz
	15/59	3.67G	0.0604	0.0302	0	47	64
0:	100%	4/4 [00:00<00:00,	5.22it/s]				
		Class	Images	Instances	P	R	mAP5
0	mAP50-95: 100%	1/1 [00:00<00:00,	2.61it/s]				
		all	20	38	0.344	0.553	0.42
7	0.137						
	Epoch	GPU_mem	box_loss	obj_loss	cls_loss	Instances	Siz
	16/59	3.67G	0.06917	0.03055	0	51	64
0:	100%	4/4 [00:00<00:00,	4.08it/s]				
		Class	Images	Instances	P	R	mAP5
0	mAP50-95: 100%	1/1 [00:00<00:00,	1.69it/s]				
		all	20	38	0.389	0.421	0.34
9	0.144						
	Epoch	GPU_mem	box_loss	obj_loss	cls_loss	Instances	Siz
	17/59	3.67G	0.05523	0.03196	0	61	64
0:	100%	4/4 [00:00<00:00,	4.59it/s]				
		Class	Images	Instances	P	R	mAP5
0	mAP50-95: 100%	1/1 [00:00<00:00,	3.85it/s]				
		all	20	38	0.374	0.368	0.25
2	0.0888						
	Epoch	GPU_mem	box_loss	obj_loss	cls_loss	Instances	Siz
	18/59	3.67G	0.06783	0.0297	0	54	64
0:	100%	4/4 [00:00<00:00,	5.22it/s]				
		Class	Images	Instances	P	R	mAP5
0	mAP50-95: 100%	1/1 [00:00<00:00,	4.38it/s]				

4	0.0939	all	20	38	0.31	0.474	0.26
e	Epoch	GPU_mem	box_loss	obj_loss	cls_loss	Instances	Siz
	19/59	3.67G	0.06227	0.02977	0	47	64
0:	100% 4/4 [00:00<00:00, 5.15it/s]						
	Class	Images	Instances	P	R	mAP5	
0	mAP50-95: 100%	1/1	[00:00<00:00, 4.58it/s]				
2	0.118	all	20	38	0.315	0.395	0.26
e	Epoch	GPU_mem	box_loss	obj_loss	cls_loss	Instances	Siz
	20/59	3.67G	0.05338	0.03212	0	71	64
0:	100% 4/4 [00:00<00:00, 5.25it/s]						
	Class	Images	Instances	P	R	mAP5	
0	mAP50-95: 100%	1/1	[00:00<00:00, 3.98it/s]				
3	0.0766	all	20	38	0.274	0.368	0.2
e	Epoch	GPU_mem	box_loss	obj_loss	cls_loss	Instances	Siz
	21/59	3.67G	0.06329	0.03004	0	56	64
0:	100% 4/4 [00:00<00:00, 5.13it/s]						
	Class	Images	Instances	P	R	mAP5	
0	mAP50-95: 100%	1/1	[00:00<00:00, 4.02it/s]				
6	0.11	all	20	38	0.33	0.395	0.30
e	Epoch	GPU_mem	box_loss	obj_loss	cls_loss	Instances	Siz
	22/59	3.67G	0.05998	0.03073	0	55	64
0:	100% 4/4 [00:00<00:00, 5.17it/s]						
	Class	Images	Instances	P	R	mAP5	
0	mAP50-95: 100%	1/1	[00:00<00:00, 4.55it/s]				
9	0.16	all	20	38	0.41	0.474	0.39
e	Epoch	GPU_mem	box_loss	obj_loss	cls_loss	Instances	Siz
	23/59	3.67G	0.06397	0.02982	0	56	64
0:	100% 4/4 [00:00<00:00, 5.39it/s]						
	Class	Images	Instances	P	R	mAP5	
0	mAP50-95: 100%	1/1	[00:00<00:00, 3.73it/s]				
1	0.172	all	20	38	0.46	0.421	0.37
e	Epoch	GPU_mem	box_loss	obj_loss	cls_loss	Instances	Siz
	24/59	3.67G	0.05089	0.02997	0	58	64
0:	100% 4/4 [00:00<00:00, 5.10it/s]						
	Class	Images	Instances	P	R	mAP5	
0	mAP50-95: 100%	1/1	[00:00<00:00, 3.13it/s]				
4	0.133	all	20	38	0.397	0.468	0.3

	Epoch	GPU_mem	box_loss	obj_loss	cls_loss	Instances	Siz
e	25/59	3.67G	0.05705	0.02921	0	49	64
0:	100% 4/4 [00:00<00:00, 4.11it/s]						
	Class	Images	Instances		P	R	mAP5
0	mAP50-95: 100%	1/1 [00:00<00:00, 2.99it/s]					
	all	20	38	0.41	0.553	0.42	
6	0.153						
	Epoch	GPU_mem	box_loss	obj_loss	cls_loss	Instances	Siz
e	26/59	3.67G	0.05028	0.02905	0	44	64
0:	100% 4/4 [00:00<00:00, 4.43it/s]						
	Class	Images	Instances		P	R	mAP5
0	mAP50-95: 100%	1/1 [00:00<00:00, 4.37it/s]					
	all	20	38	0.357	0.474	0.33	
7	0.154						
	Epoch	GPU_mem	box_loss	obj_loss	cls_loss	Instances	Siz
e	27/59	3.67G	0.06186	0.02605	0	45	64
0:	100% 4/4 [00:00<00:00, 4.99it/s]						
	Class	Images	Instances		P	R	mAP5
0	mAP50-95: 100%	1/1 [00:00<00:00, 5.05it/s]					
	all	20	38	0.53	0.553	0.47	
9	0.219						
	Epoch	GPU_mem	box_loss	obj_loss	cls_loss	Instances	Siz
e	28/59	3.67G	0.04985	0.02666	0	47	64
0:	100% 4/4 [00:00<00:00, 5.20it/s]						
	Class	Images	Instances		P	R	mAP5
0	mAP50-95: 100%	1/1 [00:00<00:00, 4.97it/s]					
	all	20	38	0.431	0.558	0.45	
2	0.168						
	Epoch	GPU_mem	box_loss	obj_loss	cls_loss	Instances	Siz
e	29/59	3.67G	0.0541	0.02591	0	52	64
0:	100% 4/4 [00:00<00:00, 5.24it/s]						
	Class	Images	Instances		P	R	mAP5
0	mAP50-95: 100%	1/1 [00:00<00:00, 4.68it/s]					
	all	20	38	0.705	0.579	0.49	
4	0.196						
	Epoch	GPU_mem	box_loss	obj_loss	cls_loss	Instances	Siz
e	30/59	3.67G	0.05138	0.02767	0	53	64
0:	100% 4/4 [00:00<00:00, 4.97it/s]						
	Class	Images	Instances		P	R	mAP5
0	mAP50-95: 100%	1/1 [00:00<00:00, 5.28it/s]					
	all	20	38	0.591	0.494	0.46	
4	0.187						
	Epoch	GPU_mem	box_loss	obj_loss	cls_loss	Instances	Siz


```

e
    31/59      3.67G    0.04758    0.02774          0          53          64
0: 100% 4/4 [00:00<00:00,  4.81it/s]
      Class      Images  Instances      P      R      mAP5
0  mAP50-95: 100% 1/1 [00:00<00:00,  5.45it/s]
      all          20          38    0.698    0.553    0.50
4      0.201

      Epoch      GPU_mem    box_loss    obj_loss    cls_loss  Instances      Siz
e
    32/59      3.67G    0.04586    0.03091          0          69          64
0: 100% 4/4 [00:00<00:00,  4.92it/s]
      Class      Images  Instances      P      R      mAP5
0  mAP50-95: 100% 1/1 [00:00<00:00,  5.24it/s]
      all          20          38    0.629    0.526    0.5
6      0.21

      Epoch      GPU_mem    box_loss    obj_loss    cls_loss  Instances      Siz
e
    33/59      3.67G    0.05304    0.02843          0          53          64
0: 100% 4/4 [00:00<00:00,  5.01it/s]
      Class      Images  Instances      P      R      mAP5
0  mAP50-95: 100% 1/1 [00:00<00:00,  4.88it/s]
      all          20          38    0.607    0.553    0.52
6      0.19

      Epoch      GPU_mem    box_loss    obj_loss    cls_loss  Instances      Siz
e
    34/59      3.67G    0.05557    0.0249          0          49          64
0: 100% 4/4 [00:01<00:00,  3.83it/s]
      Class      Images  Instances      P      R      mAP5
0  mAP50-95: 100% 1/1 [00:00<00:00,  2.11it/s]
      all          20          38    0.596    0.658    0.57
5      0.236

      Epoch      GPU_mem    box_loss    obj_loss    cls_loss  Instances      Siz
e
    35/59      3.67G    0.04321    0.02719          0          50          64
0: 100% 4/4 [00:00<00:00,  4.37it/s]
      Class      Images  Instances      P      R      mAP5
0  mAP50-95: 100% 1/1 [00:00<00:00,  3.32it/s]
      all          20          38    0.54    0.605    0.53
1      0.239

      Epoch      GPU_mem    box_loss    obj_loss    cls_loss  Instances      Siz
e
    36/59      3.67G    0.04528    0.0288          0          60          64
0: 100% 4/4 [00:00<00:00,  5.00it/s]
      Class      Images  Instances      P      R      mAP5
0  mAP50-95: 100% 1/1 [00:00<00:00,  4.62it/s]
      all          20          38    0.491    0.635    0.51
1      0.236

      Epoch      GPU_mem    box_loss    obj_loss    cls_loss  Instances      Siz
e
    37/59      3.67G    0.04549    0.0287          0          62          64

```

```

0: 100% 4/4 [00:00<00:00, 4.89it/s]
      Class      Images  Instances      P          R      mAP5
0  mAP50-95: 100% 1/1 [00:00<00:00, 4.88it/s]
      all          20          38      0.488      0.626      0.49
7      0.212

      Epoch      GPU_mem    box_loss    obj_loss    cls_loss  Instances      Siz
e      38/59      3.67G     0.04022     0.02735         0         48         64
0: 100% 4/4 [00:00<00:00, 4.85it/s]
      Class      Images  Instances      P          R      mAP5
0  mAP50-95: 100% 1/1 [00:00<00:00, 4.42it/s]
      all          20          38      0.525      0.474      0.45
5      0.189

      Epoch      GPU_mem    box_loss    obj_loss    cls_loss  Instances      Siz
e      39/59      3.67G     0.04835     0.02195         0         45         64
0: 100% 4/4 [00:00<00:00, 5.09it/s]
      Class      Images  Instances      P          R      mAP5
0  mAP50-95: 100% 1/1 [00:00<00:00, 3.98it/s]
      all          20          38      0.545      0.598      0.51
6      0.242

      Epoch      GPU_mem    box_loss    obj_loss    cls_loss  Instances      Siz
e      40/59      3.67G     0.04921     0.0254         0         54         64
0: 100% 4/4 [00:00<00:00, 5.06it/s]
      Class      Images  Instances      P          R      mAP5
0  mAP50-95: 100% 1/1 [00:00<00:00, 5.06it/s]
      all          20          38      0.604      0.632      0.59
4      0.279

      Epoch      GPU_mem    box_loss    obj_loss    cls_loss  Instances      Siz
e      41/59      3.67G     0.04573     0.02583         0         45         64
0: 100% 4/4 [00:00<00:00, 4.93it/s]
      Class      Images  Instances      P          R      mAP5
0  mAP50-95: 100% 1/1 [00:00<00:00, 4.63it/s]
      all          20          38      0.559      0.526      0.49
1      0.266

      Epoch      GPU_mem    box_loss    obj_loss    cls_loss  Instances      Siz
e      42/59      3.67G     0.03998     0.02561         0         55         64
0: 100% 4/4 [00:00<00:00, 4.99it/s]
      Class      Images  Instances      P          R      mAP5
0  mAP50-95: 100% 1/1 [00:00<00:00, 3.46it/s]
      all          20          38      0.599      0.51      0.57
9      0.288

      Epoch      GPU_mem    box_loss    obj_loss    cls_loss  Instances      Siz
e      43/59      3.67G     0.04144     0.02671         0         65         64
0: 100% 4/4 [00:00<00:00, 4.15it/s]
      Class      Images  Instances      P          R      mAP5

```

```

0   mAP50-95: 100% 1/1 [00:00<00:00,  2.40it/s]
    all          20          38          0.6          0.553          0.5
5   0.256

    Epoch      GPU_mem    box_loss    obj_loss    cls_loss  Instances    Siz
e      44/59      3.67G     0.04217     0.02795         0         60         64
0: 100% 4/4 [00:00<00:00,  4.88it/s]
    Class      Images  Instances         P         R    mAP5
0   mAP50-95: 100% 1/1 [00:00<00:00,  4.06it/s]
    all          20          38          0.672          0.526          0.57
3   0.273

    Epoch      GPU_mem    box_loss    obj_loss    cls_loss  Instances    Siz
e      45/59      3.67G     0.04283     0.02656         0         49         64
0: 100% 4/4 [00:00<00:00,  5.18it/s]
    Class      Images  Instances         P         R    mAP5
0   mAP50-95: 100% 1/1 [00:00<00:00,  4.56it/s]
    all          20          38          0.741          0.526          0.59
8   0.288

    Epoch      GPU_mem    box_loss    obj_loss    cls_loss  Instances    Siz
e      46/59      3.67G     0.03682     0.02753         0         62         64
0: 100% 4/4 [00:00<00:00,  4.98it/s]
    Class      Images  Instances         P         R    mAP5
0   mAP50-95: 100% 1/1 [00:00<00:00,  5.01it/s]
    all          20          38          0.706          0.605          0.63
5   0.284

    Epoch      GPU_mem    box_loss    obj_loss    cls_loss  Instances    Siz
e      47/59      3.67G     0.04745     0.02572         0         51         64
0: 100% 4/4 [00:00<00:00,  5.35it/s]
    Class      Images  Instances         P         R    mAP5
0   mAP50-95: 100% 1/1 [00:00<00:00,  4.06it/s]
    all          20          38          0.691          0.605          0.6
6   0.308

    Epoch      GPU_mem    box_loss    obj_loss    cls_loss  Instances    Siz
e      48/59      3.67G     0.03663     0.02481         0         49         64
0: 100% 4/4 [00:00<00:00,  5.00it/s]
    Class      Images  Instances         P         R    mAP5
0   mAP50-95: 100% 1/1 [00:00<00:00,  4.49it/s]
    all          20          38          0.765          0.632          0.67
6   0.316

    Epoch      GPU_mem    box_loss    obj_loss    cls_loss  Instances    Siz
e      49/59      3.67G     0.04107     0.02694         0         61         64
0: 100% 4/4 [00:00<00:00,  4.96it/s]
    Class      Images  Instances         P         R    mAP5
0   mAP50-95: 100% 1/1 [00:00<00:00,  4.67it/s]
    all          20          38          0.74          0.599          0.6

```

```

5      0.325

      Epoch      GPU_mem    box_loss    obj_loss    cls_loss  Instances      Siz
e      50/59      3.67G     0.03779     0.0235         0         51         64
0: 100% 4/4 [00:00<00:00,  5.30it/s]
      Class      Images  Instances      P      R      mAP5
0  mAP50-95: 100% 1/1 [00:00<00:00,  3.85it/s]
      all         20         38     0.746     0.632     0.69
2      0.314

      Epoch      GPU_mem    box_loss    obj_loss    cls_loss  Instances      Siz
e      51/59      3.67G     0.03785     0.02364         0         57         64
0: 100% 4/4 [00:00<00:00,  4.14it/s]
      Class      Images  Instances      P      R      mAP5
0  mAP50-95: 100% 1/1 [00:00<00:00,  2.20it/s]
      all         20         38     0.735     0.605     0.68
6      0.343

      Epoch      GPU_mem    box_loss    obj_loss    cls_loss  Instances      Siz
e      52/59      3.67G     0.03619     0.02581         0         39         64
0: 100% 4/4 [00:00<00:00,  4.40it/s]
      Class      Images  Instances      P      R      mAP5
0  mAP50-95: 100% 1/1 [00:00<00:00,  2.34it/s]
      all         20         38     0.707     0.632     0.66
9      0.332

      Epoch      GPU_mem    box_loss    obj_loss    cls_loss  Instances      Siz
e      53/59      3.67G     0.03583     0.02384         0         51         64
0: 100% 4/4 [00:00<00:00,  5.26it/s]
      Class      Images  Instances      P      R      mAP5
0  mAP50-95: 100% 1/1 [00:00<00:00,  4.89it/s]
      all         20         38     0.731     0.632     0.68
1      0.351

      Epoch      GPU_mem    box_loss    obj_loss    cls_loss  Instances      Siz
e      54/59      3.67G     0.04026     0.02201         0         49         64
0: 100% 4/4 [00:00<00:00,  4.77it/s]
      Class      Images  Instances      P      R      mAP5
0  mAP50-95: 100% 1/1 [00:00<00:00,  5.43it/s]
      all         20         38     0.742     0.632     0.67
5      0.349

      Epoch      GPU_mem    box_loss    obj_loss    cls_loss  Instances      Siz
e      55/59      3.67G     0.03545     0.02369         0         58         64
0: 100% 4/4 [00:00<00:00,  4.79it/s]
      Class      Images  Instances      P      R      mAP5
0  mAP50-95: 100% 1/1 [00:00<00:00,  5.05it/s]
      all         20         38     0.736     0.632     0.6
7      0.359

```

```

Epoch      GPU_mem    box_loss    obj_loss    cls_loss    Instances    Siz
e
56/59      3.67G      0.03826     0.02459           0           53        64
0: 100% 4/4 [00:00<00:00, 4.99it/s]
      Class      Images  Instances      P      R      mAP5
0  mAP50-95: 100% 1/1 [00:00<00:00, 5.07it/s]
      all         20         38      0.713      0.632      0.67
2      0.363

```

```

Epoch      GPU_mem    box_loss    obj_loss    cls_loss    Instances    Siz
e
57/59      3.67G      0.0353      0.0245           0           61        64
0: 100% 4/4 [00:00<00:00, 4.88it/s]
      Class      Images  Instances      P      R      mAP5
0  mAP50-95: 100% 1/1 [00:00<00:00, 5.39it/s]
      all         20         38      0.768      0.658      0.70
3      0.367

```

```

Epoch      GPU_mem    box_loss    obj_loss    cls_loss    Instances    Siz
e
58/59      3.67G      0.03546     0.02288           0           55        64
0: 100% 4/4 [00:00<00:00, 5.05it/s]
      Class      Images  Instances      P      R      mAP5
0  mAP50-95: 100% 1/1 [00:00<00:00, 4.69it/s]
      all         20         38      0.743      0.632      0.66
9      0.365

```

```

Epoch      GPU_mem    box_loss    obj_loss    cls_loss    Instances    Siz
e
59/59      3.67G      0.03669     0.0247           0           62        64
0: 100% 4/4 [00:00<00:00, 5.19it/s]
      Class      Images  Instances      P      R      mAP5
0  mAP50-95: 100% 1/1 [00:00<00:00, 3.37it/s]
      all         20         38      0.74      0.632      0.67
9      0.376

```

60 epochs completed in 0.028 hours.

Optimizer stripped from runs/train/exp2/weights/last.pt, 14.4MB

Optimizer stripped from runs/train/exp2/weights/best.pt, 14.4MB

Validating runs/train/exp2/weights/best.pt...

Fusing layers...

Model summary: 157 layers, 7012822 parameters, 0 gradients, 15.8 GFLOPs

```

      Class      Images  Instances      P      R      mAP5
0  mAP50-95: 100% 1/1 [00:00<00:00, 3.48it/s]
      all         20         38      0.74      0.632      0.67
9      0.372
Results saved to runs/train/exp2

```

Testing the model with the our calculated weight

```
In [ ]: !python detect.py --weights runs/train/exp2/weights/best.pt --img 640 --conf
```

detect: weights=['runs/train/exp2/weights/best.pt'], source=/content/training/images/val, data=data/coco128.yaml, imgsz=[640, 640], conf_thres=0.25, iou_thres=0.45, max_det=1000, device=, view_img=False, save_txt=False, save_conf=False, save_crop=False, nosave=False, classes=None, agnostic_nms=False, augment=False, visualize=False, update=False, project=runs/detect, name=exp, exist_ok=False, line_thickness=3, hide_labels=False, hide_conf=False, half=False, dnn=False, vid_stride=1
YOLOv5 🚀 v7.0-135-g9dd0ad3 Python-3.9.16 torch-2.0.0+cu118 CUDA:0 (Tesla T4, 15102MiB)

Fusing layers...

Model summary: 157 layers, 7012822 parameters, 0 gradients, 15.8 GFLOPs
image 1/20 /content/training/images/val/images (100).jpg: 480x640 (no detections), 43.3ms
image 2/20 /content/training/images/val/images (81).jpg: 384x640 1 chicken, 45.6ms
image 3/20 /content/training/images/val/images (82).jpg: 288x640 2 chickens, 41.3ms
image 4/20 /content/training/images/val/images (83).jpg: 448x640 1 chicken, 44.6ms
image 5/20 /content/training/images/val/images (84).jpg: 384x640 2 chickens, 7.9ms
image 6/20 /content/training/images/val/images (85).jpg: 384x640 2 chickens, 7.9ms
image 7/20 /content/training/images/val/images (86).jpg: 512x640 1 chicken, 40.2ms
image 8/20 /content/training/images/val/images (87).jpg: 384x640 1 chicken, 7.9ms
image 9/20 /content/training/images/val/images (88).jpg: 640x640 1 chicken, 11.6ms
image 10/20 /content/training/images/val/images (89).jpg: 640x640 1 chicken, 11.5ms
image 11/20 /content/training/images/val/images (90).jpg: 384x640 1 chicken, 7.9ms
image 12/20 /content/training/images/val/images (91).jpg: 448x640 2 chickens, 8.8ms
image 13/20 /content/training/images/val/images (92).jpg: 256x640 4 chickens, 42.4ms
image 14/20 /content/training/images/val/images (93).jpg: 640x640 1 chicken, 11.5ms
image 15/20 /content/training/images/val/images (94).jpg: 384x640 1 chicken, 7.9ms
image 16/20 /content/training/images/val/images (95).jpg: 416x640 2 chickens, 42.0ms
image 17/20 /content/training/images/val/images (96).jpg: 448x640 1 chicken, 8.3ms
image 18/20 /content/training/images/val/images (97).jpg: 640x640 (no detections), 10.9ms
image 19/20 /content/training/images/val/images (98).jpg: 512x640 1 chicken, 8.9ms
image 20/20 /content/training/images/val/images (99).jpg: 384x640 1 chicken, 7.4ms
Speed: 0.4ms pre-process, 20.9ms inference, 5.4ms NMS per image at shape (1, 3, 640, 640)
Results saved to **runs/detect/exp**

Test from giving the image

```
In [ ]: display.Image(filename='/content/yolov5/runs/detect/exp/images (91).jpg', wi
```

Out[]:



Test on the video

```
In [ ]: !python detect.py --weights runs/train/exp2/weights/best.pt --img 640 --conf
```

detect: weights=['runs/train/exp2/weights/best.pt'], source=/content/pexels-pixabay-856986-1920x1080-25fps.mp4, data=data/coco128.yaml, imgsz=[640, 640], conf_thres=0.25, iou_thres=0.45, max_det=1000, device=, view_img=False, save_txt=False, save_conf=False, save_crop=False, nosave=False, classes=None, agnostic_nms=False, augment=False, visualize=False, update=False, project=runs/detect, name=exp, exist_ok=False, line_thickness=3, hide_labels=False, hide_conf=False, half=False, dnn=False, vid_stride=1
YOLOv5 🚀 v7.0-135-g9dd0ad3 Python-3.9.16 torch-2.0.0+cu118 CUDA:0 (Tesla T4, 15102MiB)

Fusing layers...

Model summary: 157 layers, 7012822 parameters, 0 gradients, 15.8 GFLOPs
video 1/1 (1/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x640 3 chickens, 45.2ms
video 1/1 (2/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x640 3 chickens, 8.5ms
video 1/1 (3/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x640 3 chickens, 13.5ms
video 1/1 (4/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x640 2 chickens, 8.3ms
video 1/1 (5/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x640 2 chickens, 9.6ms
video 1/1 (6/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x640 2 chickens, 8.1ms
video 1/1 (7/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x640 3 chickens, 7.9ms
video 1/1 (8/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x640 3 chickens, 10.4ms
video 1/1 (9/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x640 3 chickens, 9.0ms
video 1/1 (10/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x640 3 chickens, 7.9ms
video 1/1 (11/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x640 3 chickens, 7.9ms
video 1/1 (12/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x640 3 chickens, 8.1ms
video 1/1 (13/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x640 3 chickens, 7.9ms
video 1/1 (14/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x640 3 chickens, 7.9ms
video 1/1 (15/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x640 3 chickens, 8.5ms
video 1/1 (16/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x640 3 chickens, 8.3ms
video 1/1 (17/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x640 3 chickens, 8.1ms
video 1/1 (18/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x640 3 chickens, 7.9ms
video 1/1 (19/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x640 3 chickens, 8.4ms
video 1/1 (20/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x640 3 chickens, 9.2ms
video 1/1 (21/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x640 3 chickens, 9.3ms
video 1/1 (22/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x640 3 chickens, 7.9ms

[illegible]

[illegible]

video 1/1 (79/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x640 3 chickens, 11.0ms
video 1/1 (80/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x640 3 chickens, 10.3ms
video 1/1 (81/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x640 3 chickens, 7.9ms
video 1/1 (82/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x640 3 chickens, 9.3ms
video 1/1 (83/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x640 3 chickens, 10.9ms
video 1/1 (84/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x640 3 chickens, 13.6ms
video 1/1 (85/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x640 3 chickens, 12.9ms
video 1/1 (86/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x640 3 chickens, 17.5ms
video 1/1 (87/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x640 3 chickens, 11.3ms
video 1/1 (88/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x640 3 chickens, 13.8ms
video 1/1 (89/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x640 3 chickens, 8.1ms
video 1/1 (90/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x640 3 chickens, 21.5ms
video 1/1 (91/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x640 3 chickens, 16.8ms
video 1/1 (92/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x640 3 chickens, 15.2ms
video 1/1 (93/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x640 4 chickens, 7.9ms
video 1/1 (94/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x640 3 chickens, 20.6ms
video 1/1 (95/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x640 3 chickens, 18.6ms
video 1/1 (96/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x640 3 chickens, 9.4ms
video 1/1 (97/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x640 3 chickens, 9.3ms
video 1/1 (98/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x640 3 chickens, 14.6ms
video 1/1 (99/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x640 3 chickens, 15.5ms
video 1/1 (100/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x640 3 chickens, 15.8ms
video 1/1 (101/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x640 3 chickens, 13.9ms
video 1/1 (102/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x640 3 chickens, 18.5ms
video 1/1 (103/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x640 3 chickens, 12.4ms
video 1/1 (104/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x640 3 chickens, 8.8ms
video 1/1 (105/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x640 3 chickens, 20.7ms
video 1/1 (106/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x640 3 chickens, 14.5ms

video 1/1 (107/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 3 chickens, 29.4ms
video 1/1 (108/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 3 chickens, 14.7ms
video 1/1 (109/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 3 chickens, 14.8ms
video 1/1 (110/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 3 chickens, 8.7ms
video 1/1 (111/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 3 chickens, 19.3ms
video 1/1 (112/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 3 chickens, 16.2ms
video 1/1 (113/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 3 chickens, 8.4ms
video 1/1 (114/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 3 chickens, 9.5ms
video 1/1 (115/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 3 chickens, 9.6ms
video 1/1 (116/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 3 chickens, 20.7ms
video 1/1 (117/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 3 chickens, 11.6ms
video 1/1 (118/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 3 chickens, 10.7ms
video 1/1 (119/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 3 chickens, 11.0ms
video 1/1 (120/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 3 chickens, 8.6ms
video 1/1 (121/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 3 chickens, 8.5ms
video 1/1 (122/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 3 chickens, 7.9ms
video 1/1 (123/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 3 chickens, 7.9ms
video 1/1 (124/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 3 chickens, 8.3ms
video 1/1 (125/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 3 chickens, 12.4ms
video 1/1 (126/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 3 chickens, 7.9ms
video 1/1 (127/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 3 chickens, 8.1ms
video 1/1 (128/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 3 chickens, 8.4ms
video 1/1 (129/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 3 chickens, 7.9ms
video 1/1 (130/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 3 chickens, 7.9ms
video 1/1 (131/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 3 chickens, 9.2ms
video 1/1 (132/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 3 chickens, 8.0ms
video 1/1 (133/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 2 chickens, 7.9ms
video 1/1 (134/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 3 chickens, 7.9ms

[illegible]

[illegible]

[illegible]

[illegible]

video 1/1 (247/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 2 chickens, 7.9ms
video 1/1 (248/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 2 chickens, 7.9ms
video 1/1 (249/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 2 chickens, 7.9ms
video 1/1 (250/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 2 chickens, 9.1ms
video 1/1 (251/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 2 chickens, 7.9ms
video 1/1 (252/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 2 chickens, 8.0ms
video 1/1 (253/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 2 chickens, 8.0ms
video 1/1 (254/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 2 chickens, 7.9ms
video 1/1 (255/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 2 chickens, 13.2ms
video 1/1 (256/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 2 chickens, 8.4ms
video 1/1 (257/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 2 chickens, 7.9ms
video 1/1 (258/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 2 chickens, 8.0ms
video 1/1 (259/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 2 chickens, 7.9ms
video 1/1 (260/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 2 chickens, 8.3ms
video 1/1 (261/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 2 chickens, 7.9ms
video 1/1 (262/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 1 chicken, 8.3ms
video 1/1 (263/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 1 chicken, 7.9ms
video 1/1 (264/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 1 chicken, 8.2ms
video 1/1 (265/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 1 chicken, 7.9ms
video 1/1 (266/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 1 chicken, 7.9ms
video 1/1 (267/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 1 chicken, 7.9ms
video 1/1 (268/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 1 chicken, 8.2ms
video 1/1 (269/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 1 chicken, 11.8ms
video 1/1 (270/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 1 chicken, 7.9ms
video 1/1 (271/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 1 chicken, 9.4ms
video 1/1 (272/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 1 chicken, 8.4ms
video 1/1 (273/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 1 chicken, 8.0ms
video 1/1 (274/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 1 chicken, 7.9ms

video 1/1 (275/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 1 chicken, 8.1ms
video 1/1 (276/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 1 chicken, 8.5ms
video 1/1 (277/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 2 chickens, 7.9ms
video 1/1 (278/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 1 chicken, 8.0ms
video 1/1 (279/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 1 chicken, 7.9ms
video 1/1 (280/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 1 chicken, 8.0ms
video 1/1 (281/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 1 chicken, 8.3ms
video 1/1 (282/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 1 chicken, 7.9ms
video 1/1 (283/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 2 chickens, 8.1ms
video 1/1 (284/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 1 chicken, 9.3ms
video 1/1 (285/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 2 chickens, 8.3ms
video 1/1 (286/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 1 chicken, 8.4ms
video 1/1 (287/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 2 chickens, 8.2ms
video 1/1 (288/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 2 chickens, 7.9ms
video 1/1 (289/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 2 chickens, 8.5ms
video 1/1 (290/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 2 chickens, 8.2ms
video 1/1 (291/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 2 chickens, 8.4ms
video 1/1 (292/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 2 chickens, 7.9ms
video 1/1 (293/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 2 chickens, 8.0ms
video 1/1 (294/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 2 chickens, 8.0ms
video 1/1 (295/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 2 chickens, 7.9ms
video 1/1 (296/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 2 chickens, 7.9ms
video 1/1 (297/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 2 chickens, 7.9ms
video 1/1 (298/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 2 chickens, 7.9ms
video 1/1 (299/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 2 chickens, 7.9ms
video 1/1 (300/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 3 chickens, 8.0ms
video 1/1 (301/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 3 chickens, 7.9ms
video 1/1 (302/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 2 chickens, 8.5ms

video 1/1 (303/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 3 chickens, 7.9ms
video 1/1 (304/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 3 chickens, 8.4ms
video 1/1 (305/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 3 chickens, 8.1ms
video 1/1 (306/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 3 chickens, 7.9ms
video 1/1 (307/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 3 chickens, 8.4ms
video 1/1 (308/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 3 chickens, 10.4ms
video 1/1 (309/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 3 chickens, 8.4ms
video 1/1 (310/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 3 chickens, 8.6ms
video 1/1 (311/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 3 chickens, 8.1ms
video 1/1 (312/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 3 chickens, 8.0ms
video 1/1 (313/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 3 chickens, 7.9ms
video 1/1 (314/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 3 chickens, 8.2ms
video 1/1 (315/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 3 chickens, 8.5ms
video 1/1 (316/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 3 chickens, 9.4ms
video 1/1 (317/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 3 chickens, 7.9ms
video 1/1 (318/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 2 chickens, 7.9ms
video 1/1 (319/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 2 chickens, 7.9ms
video 1/1 (320/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 2 chickens, 7.9ms
video 1/1 (321/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 2 chickens, 7.9ms
video 1/1 (322/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 2 chickens, 8.5ms
video 1/1 (323/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 2 chickens, 7.9ms
video 1/1 (324/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 2 chickens, 8.4ms
video 1/1 (325/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 2 chickens, 8.1ms
video 1/1 (326/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 2 chickens, 7.9ms
video 1/1 (327/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 2 chickens, 8.1ms
video 1/1 (328/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 1 chicken, 7.9ms
video 1/1 (329/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 2 chickens, 8.7ms
video 1/1 (330/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 1 chicken, 8.3ms

```
video 1/1 (331/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 1 chicken, 8.3ms
video 1/1 (332/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 1 chicken, 8.0ms
video 1/1 (333/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 1 chicken, 7.9ms
video 1/1 (334/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 1 chicken, 8.4ms
video 1/1 (335/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 1 chicken, 8.3ms
video 1/1 (336/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 2 chickens, 7.9ms
video 1/1 (337/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 2 chickens, 7.9ms
video 1/1 (338/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 1 chicken, 7.9ms
video 1/1 (339/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 1 chicken, 8.1ms
video 1/1 (340/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 1 chicken, 8.1ms
video 1/1 (341/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 1 chicken, 8.0ms
video 1/1 (342/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 2 chickens, 7.9ms
video 1/1 (343/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 1 chicken, 8.3ms
video 1/1 (344/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 2 chickens, 7.9ms
video 1/1 (345/345) /content/pexels-pixabay-856986-1920x1080-25fps.mp4: 384x
640 2 chickens, 7.9ms
Speed: 0.5ms pre-process, 9.0ms inference, 1.5ms NMS per image at shape (1,
3, 640, 640)
Results saved to runs/detect/exp2
```

```
In [ ]: !python detect.py --weights runs/train/exp2/weights/best.pt --img 640 --conf
```

detect: weights=['runs/train/exp2/weights/best.pt'], source=/content/v1.mp4, data=data/coco128.yaml, imgsz=[640, 640], conf_thres=0.25, iou_thres=0.45, max_det=1000, device=, view_img=False, save_txt=False, save_conf=False, save_crop=False, nosave=False, classes=None, agnostic_nms=False, augment=False, visualize=False, update=False, project=runs/detect, name=exp, exist_ok=False, line_thickness=3, hide_labels=False, hide_conf=False, half=False, dnn=False, vid_stride=1
YOLOv5 🚀 v7.0-135-g9dd0ad3 Python-3.9.16 torch-2.0.0+cu118 CUDA:0 (Tesla T4, 15102MiB)

Fusing layers...

Model summary: 157 layers, 7012822 parameters, 0 gradients, 15.8 GFLOPs

video 1/1 (1/576) /content/v1.mp4: 640x384 (no detections), 70.7ms
video 1/1 (2/576) /content/v1.mp4: 640x384 (no detections), 19.0ms
video 1/1 (3/576) /content/v1.mp4: 640x384 1 chicken, 10.6ms
video 1/1 (4/576) /content/v1.mp4: 640x384 1 chicken, 7.7ms
video 1/1 (5/576) /content/v1.mp4: 640x384 1 chicken, 7.7ms
video 1/1 (6/576) /content/v1.mp4: 640x384 2 chickens, 7.8ms
video 1/1 (7/576) /content/v1.mp4: 640x384 1 chicken, 8.3ms
video 1/1 (8/576) /content/v1.mp4: 640x384 1 chicken, 7.6ms
video 1/1 (9/576) /content/v1.mp4: 640x384 1 chicken, 9.0ms
video 1/1 (10/576) /content/v1.mp4: 640x384 1 chicken, 8.4ms
video 1/1 (11/576) /content/v1.mp4: 640x384 1 chicken, 11.7ms
video 1/1 (12/576) /content/v1.mp4: 640x384 1 chicken, 7.7ms
video 1/1 (13/576) /content/v1.mp4: 640x384 1 chicken, 8.2ms
video 1/1 (14/576) /content/v1.mp4: 640x384 1 chicken, 8.6ms
video 1/1 (15/576) /content/v1.mp4: 640x384 2 chickens, 7.8ms
video 1/1 (16/576) /content/v1.mp4: 640x384 1 chicken, 8.8ms
video 1/1 (17/576) /content/v1.mp4: 640x384 3 chickens, 7.8ms
video 1/1 (18/576) /content/v1.mp4: 640x384 3 chickens, 7.9ms
video 1/1 (19/576) /content/v1.mp4: 640x384 2 chickens, 8.1ms
video 1/1 (20/576) /content/v1.mp4: 640x384 2 chickens, 8.0ms
video 1/1 (21/576) /content/v1.mp4: 640x384 2 chickens, 7.8ms
video 1/1 (22/576) /content/v1.mp4: 640x384 3 chickens, 7.6ms
video 1/1 (23/576) /content/v1.mp4: 640x384 2 chickens, 8.2ms
video 1/1 (24/576) /content/v1.mp4: 640x384 2 chickens, 7.7ms
video 1/1 (25/576) /content/v1.mp4: 640x384 3 chickens, 7.7ms
video 1/1 (26/576) /content/v1.mp4: 640x384 3 chickens, 8.2ms
video 1/1 (27/576) /content/v1.mp4: 640x384 2 chickens, 8.4ms
video 1/1 (28/576) /content/v1.mp4: 640x384 (no detections), 8.1ms
video 1/1 (29/576) /content/v1.mp4: 640x384 (no detections), 7.7ms
video 1/1 (30/576) /content/v1.mp4: 640x384 (no detections), 7.6ms
video 1/1 (31/576) /content/v1.mp4: 640x384 (no detections), 7.8ms
video 1/1 (32/576) /content/v1.mp4: 640x384 1 chicken, 7.7ms
video 1/1 (33/576) /content/v1.mp4: 640x384 (no detections), 7.8ms
video 1/1 (34/576) /content/v1.mp4: 640x384 1 chicken, 10.6ms
video 1/1 (35/576) /content/v1.mp4: 640x384 1 chicken, 8.2ms
video 1/1 (36/576) /content/v1.mp4: 640x384 1 chicken, 7.8ms
video 1/1 (37/576) /content/v1.mp4: 640x384 2 chickens, 7.9ms
video 1/1 (38/576) /content/v1.mp4: 640x384 1 chicken, 7.7ms
video 1/1 (39/576) /content/v1.mp4: 640x384 2 chickens, 7.7ms
video 1/1 (40/576) /content/v1.mp4: 640x384 2 chickens, 10.1ms
video 1/1 (41/576) /content/v1.mp4: 640x384 2 chickens, 7.6ms
video 1/1 (42/576) /content/v1.mp4: 640x384 2 chickens, 7.7ms
video 1/1 (43/576) /content/v1.mp4: 640x384 2 chickens, 7.7ms
video 1/1 (44/576) /content/v1.mp4: 640x384 2 chickens, 7.7ms

video 1/1 (45/576) /content/v1.mp4: 640x384 2 chickens, 7.7ms
video 1/1 (46/576) /content/v1.mp4: 640x384 2 chickens, 7.7ms
video 1/1 (47/576) /content/v1.mp4: 640x384 2 chickens, 7.7ms
video 1/1 (48/576) /content/v1.mp4: 640x384 2 chickens, 7.6ms
video 1/1 (49/576) /content/v1.mp4: 640x384 2 chickens, 7.7ms
video 1/1 (50/576) /content/v1.mp4: 640x384 2 chickens, 8.2ms
video 1/1 (51/576) /content/v1.mp4: 640x384 2 chickens, 7.7ms
video 1/1 (52/576) /content/v1.mp4: 640x384 2 chickens, 7.7ms
video 1/1 (53/576) /content/v1.mp4: 640x384 2 chickens, 8.3ms
video 1/1 (54/576) /content/v1.mp4: 640x384 2 chickens, 8.1ms
video 1/1 (55/576) /content/v1.mp4: 640x384 2 chickens, 7.7ms
video 1/1 (56/576) /content/v1.mp4: 640x384 2 chickens, 7.6ms
video 1/1 (57/576) /content/v1.mp4: 640x384 1 chicken, 7.7ms
video 1/1 (58/576) /content/v1.mp4: 640x384 2 chickens, 8.2ms
video 1/1 (59/576) /content/v1.mp4: 640x384 2 chickens, 8.8ms
video 1/1 (60/576) /content/v1.mp4: 640x384 2 chickens, 7.6ms
video 1/1 (61/576) /content/v1.mp4: 640x384 2 chickens, 7.7ms
video 1/1 (62/576) /content/v1.mp4: 640x384 2 chickens, 7.9ms
video 1/1 (63/576) /content/v1.mp4: 640x384 2 chickens, 8.0ms
video 1/1 (64/576) /content/v1.mp4: 640x384 2 chickens, 7.7ms
video 1/1 (65/576) /content/v1.mp4: 640x384 2 chickens, 7.6ms
video 1/1 (66/576) /content/v1.mp4: 640x384 1 chicken, 9.3ms
video 1/1 (67/576) /content/v1.mp4: 640x384 1 chicken, 8.3ms
video 1/1 (68/576) /content/v1.mp4: 640x384 1 chicken, 8.8ms
video 1/1 (69/576) /content/v1.mp4: 640x384 (no detections), 7.7ms
video 1/1 (70/576) /content/v1.mp4: 640x384 1 chicken, 7.7ms
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video 1/1 (332/576) /content/v1.mp4: 640x384 (no detections), 7.7ms
video 1/1 (333/576) /content/v1.mp4: 640x384 (no detections), 7.6ms
video 1/1 (334/576) /content/v1.mp4: 640x384 1 chicken, 8.3ms
video 1/1 (335/576) /content/v1.mp4: 640x384 1 chicken, 8.1ms
video 1/1 (336/576) /content/v1.mp4: 640x384 2 chickens, 7.7ms
video 1/1 (337/576) /content/v1.mp4: 640x384 (no detections), 9.7ms
video 1/1 (338/576) /content/v1.mp4: 640x384 2 chickens, 8.1ms
video 1/1 (339/576) /content/v1.mp4: 640x384 (no detections), 8.8ms
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video 1/1 (342/576) /content/v1.mp4: 640x384 (no detections), 8.7ms
video 1/1 (343/576) /content/v1.mp4: 640x384 1 chicken, 8.0ms
video 1/1 (344/576) /content/v1.mp4: 640x384 1 chicken, 7.6ms
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video 1/1 (355/576) /content/v1.mp4: 640x384 (no detections), 7.6ms
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video 1/1 (357/576) /content/v1.mp4: 640x384 1 chicken, 7.7ms
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video 1/1 (359/576) /content/v1.mp4: 640x384 1 chicken, 7.7ms
video 1/1 (360/576) /content/v1.mp4: 640x384 1 chicken, 8.5ms
video 1/1 (361/576) /content/v1.mp4: 640x384 (no detections), 8.0ms
video 1/1 (362/576) /content/v1.mp4: 640x384 (no detections), 8.3ms
video 1/1 (363/576) /content/v1.mp4: 640x384 1 chicken, 8.7ms
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video 1/1 (374/576) /content/v1.mp4: 640x384 (no detections), 9.8ms
video 1/1 (375/576) /content/v1.mp4: 640x384 1 chicken, 7.9ms
video 1/1 (376/576) /content/v1.mp4: 640x384 1 chicken, 11.5ms
video 1/1 (377/576) /content/v1.mp4: 640x384 (no detections), 8.3ms
video 1/1 (378/576) /content/v1.mp4: 640x384 1 chicken, 7.6ms
video 1/1 (379/576) /content/v1.mp4: 640x384 1 chicken, 8.2ms
video 1/1 (380/576) /content/v1.mp4: 640x384 1 chicken, 8.1ms

[illegible]

video 1/1 (437/576) /content/v1.mp4: 640x384 1 chicken, 8.4ms
video 1/1 (438/576) /content/v1.mp4: 640x384 (no detections), 8.2ms
video 1/1 (439/576) /content/v1.mp4: 640x384 1 chicken, 7.7ms
video 1/1 (440/576) /content/v1.mp4: 640x384 (no detections), 7.7ms
video 1/1 (441/576) /content/v1.mp4: 640x384 (no detections), 8.1ms
video 1/1 (442/576) /content/v1.mp4: 640x384 1 chicken, 9.1ms
video 1/1 (443/576) /content/v1.mp4: 640x384 1 chicken, 7.7ms
video 1/1 (444/576) /content/v1.mp4: 640x384 1 chicken, 12.4ms
video 1/1 (445/576) /content/v1.mp4: 640x384 1 chicken, 8.1ms
video 1/1 (446/576) /content/v1.mp4: 640x384 1 chicken, 7.7ms
video 1/1 (447/576) /content/v1.mp4: 640x384 1 chicken, 7.7ms
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video 1/1 (452/576) /content/v1.mp4: 640x384 1 chicken, 7.7ms
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video 1/1 (489/576) /content/v1.mp4: 640x384 (no detections), 8.6ms
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video 1/1 (492/576) /content/v1.mp4: 640x384 1 chicken, 8.2ms

video 1/1 (493/576) /content/v1.mp4: 640x384 1 chicken, 8.1ms
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video 1/1 (523/576) /content/v1.mp4: 640x384 (no detections), 9.0ms
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video 1/1 (529/576) /content/v1.mp4: 640x384 (no detections), 7.7ms
video 1/1 (530/576) /content/v1.mp4: 640x384 (no detections), 8.3ms
video 1/1 (531/576) /content/v1.mp4: 640x384 (no detections), 8.6ms
video 1/1 (532/576) /content/v1.mp4: 640x384 (no detections), 8.3ms
video 1/1 (533/576) /content/v1.mp4: 640x384 (no detections), 8.4ms
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video 1/1 (539/576) /content/v1.mp4: 640x384 1 chicken, 7.9ms
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video 1/1 (542/576) /content/v1.mp4: 640x384 1 chicken, 8.2ms
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video 1/1 (544/576) /content/v1.mp4: 640x384 (no detections), 8.5ms
video 1/1 (545/576) /content/v1.mp4: 640x384 (no detections), 8.1ms
video 1/1 (546/576) /content/v1.mp4: 640x384 1 chicken, 7.7ms
video 1/1 (547/576) /content/v1.mp4: 640x384 2 chickens, 7.7ms
video 1/1 (548/576) /content/v1.mp4: 640x384 2 chickens, 9.4ms

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video 1/1 (549/576) /content/v1.mp4: 640x384 (no detections), 7.8ms
video 1/1 (550/576) /content/v1.mp4: 640x384 2 chickens, 7.9ms
video 1/1 (551/576) /content/v1.mp4: 640x384 1 chicken, 8.8ms
video 1/1 (552/576) /content/v1.mp4: 640x384 1 chicken, 8.9ms
video 1/1 (553/576) /content/v1.mp4: 640x384 1 chicken, 8.0ms
video 1/1 (554/576) /content/v1.mp4: 640x384 1 chicken, 8.2ms
video 1/1 (555/576) /content/v1.mp4: 640x384 2 chickens, 8.5ms
video 1/1 (556/576) /content/v1.mp4: 640x384 2 chickens, 8.9ms
video 1/1 (557/576) /content/v1.mp4: 640x384 1 chicken, 8.4ms
video 1/1 (558/576) /content/v1.mp4: 640x384 1 chicken, 8.1ms
video 1/1 (559/576) /content/v1.mp4: 640x384 (no detections), 8.3ms
video 1/1 (560/576) /content/v1.mp4: 640x384 1 chicken, 9.0ms
video 1/1 (561/576) /content/v1.mp4: 640x384 2 chickens, 7.7ms
video 1/1 (562/576) /content/v1.mp4: 640x384 1 chicken, 9.2ms
video 1/1 (563/576) /content/v1.mp4: 640x384 (no detections), 9.0ms
video 1/1 (564/576) /content/v1.mp4: 640x384 (no detections), 8.7ms
video 1/1 (565/576) /content/v1.mp4: 640x384 (no detections), 8.6ms
video 1/1 (566/576) /content/v1.mp4: 640x384 (no detections), 12.4ms
video 1/1 (567/576) /content/v1.mp4: 640x384 (no detections), 11.3ms
video 1/1 (568/576) /content/v1.mp4: 640x384 (no detections), 13.5ms
video 1/1 (569/576) /content/v1.mp4: 640x384 (no detections), 10.2ms
video 1/1 (570/576) /content/v1.mp4: 640x384 1 chicken, 18.4ms
video 1/1 (571/576) /content/v1.mp4: 640x384 (no detections), 15.8ms
video 1/1 (572/576) /content/v1.mp4: 640x384 (no detections), 13.4ms
video 1/1 (573/576) /content/v1.mp4: 640x384 (no detections), 10.7ms
video 1/1 (574/576) /content/v1.mp4: 640x384 1 chicken, 7.8ms
video 1/1 (575/576) /content/v1.mp4: 640x384 (no detections), 9.6ms
video 1/1 (576/576) /content/v1.mp4: 640x384 1 chicken, 8.5ms
Speed: 0.5ms pre-process, 8.8ms inference, 1.0ms NMS per image at shape (1,
3, 640, 640)
Results saved to runs/detect/exp3
```

In []: