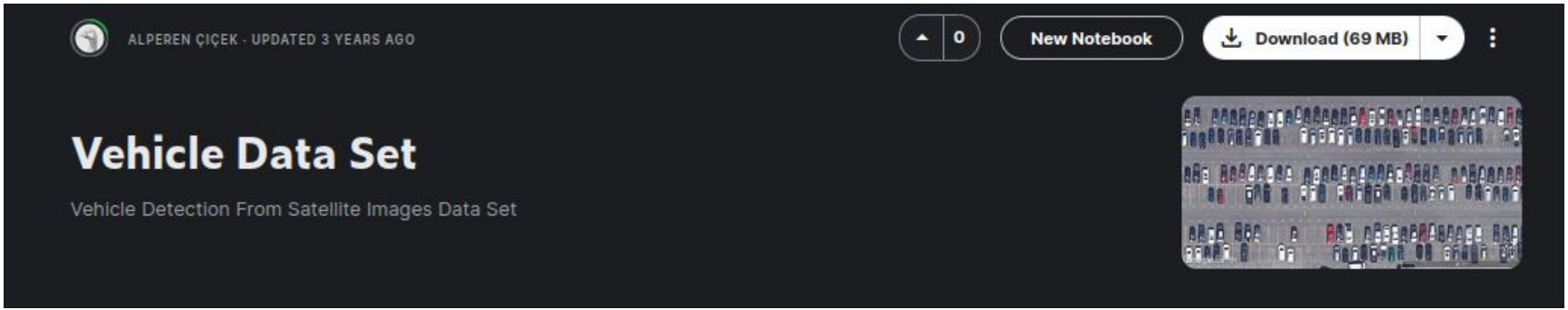
ALPEREN ÇIÇEK · UPDATED 3 YEARS AGO
0
New Notebook
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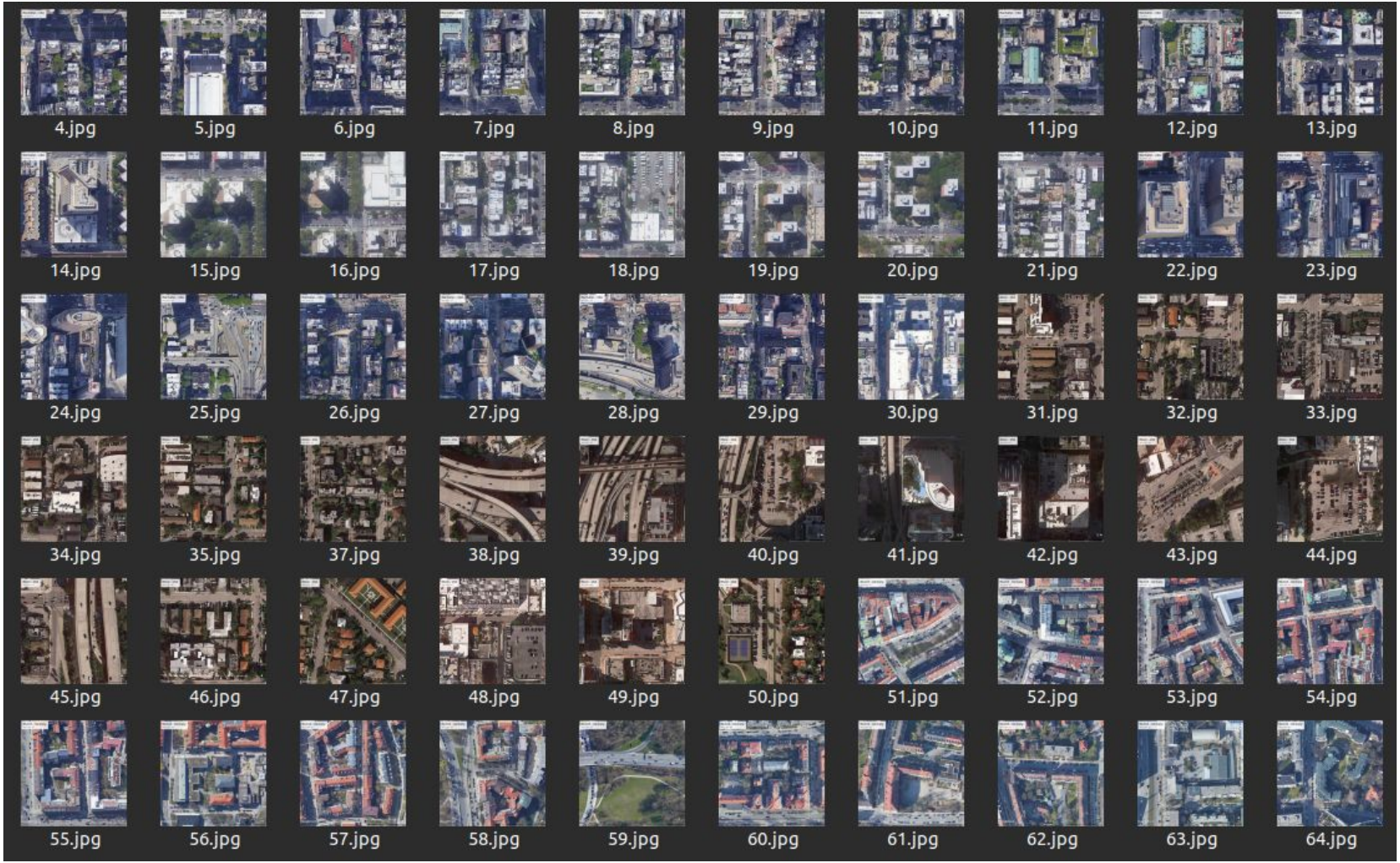
Vehicle Data Set
Vehicle Detection From Satellite Images Data Set


4.jpg
5.jpg
6.jpg
7.jpg
8.jpg
9.jpg
10.jpg
11.jpg
12.jpg
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14.jpg
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37.jpg
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39.jpg
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42.jpg
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45.jpg
46.jpg
47.jpg
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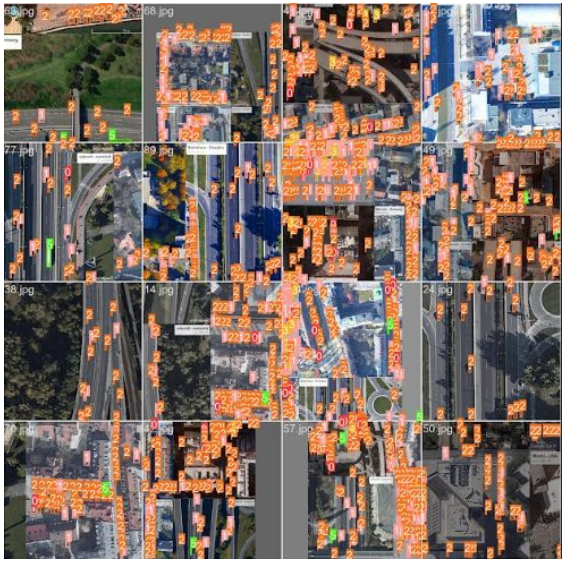
50.jpg
51.jpg
52.jpg
53.jpg
54.jpg
55.jpg
56.jpg
57.jpg
58.jpg
59.jpg
60.jpg
61.jpg
62.jpg
63.jpg
64.jpg

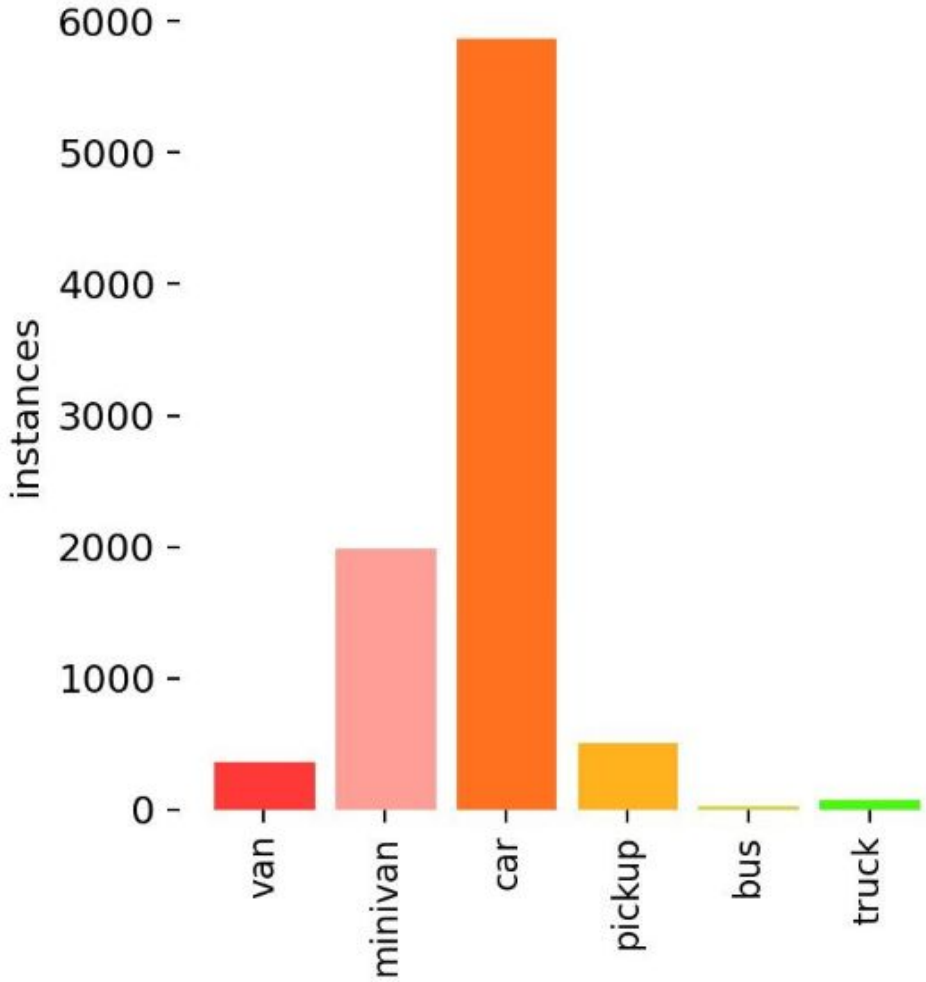
Labels

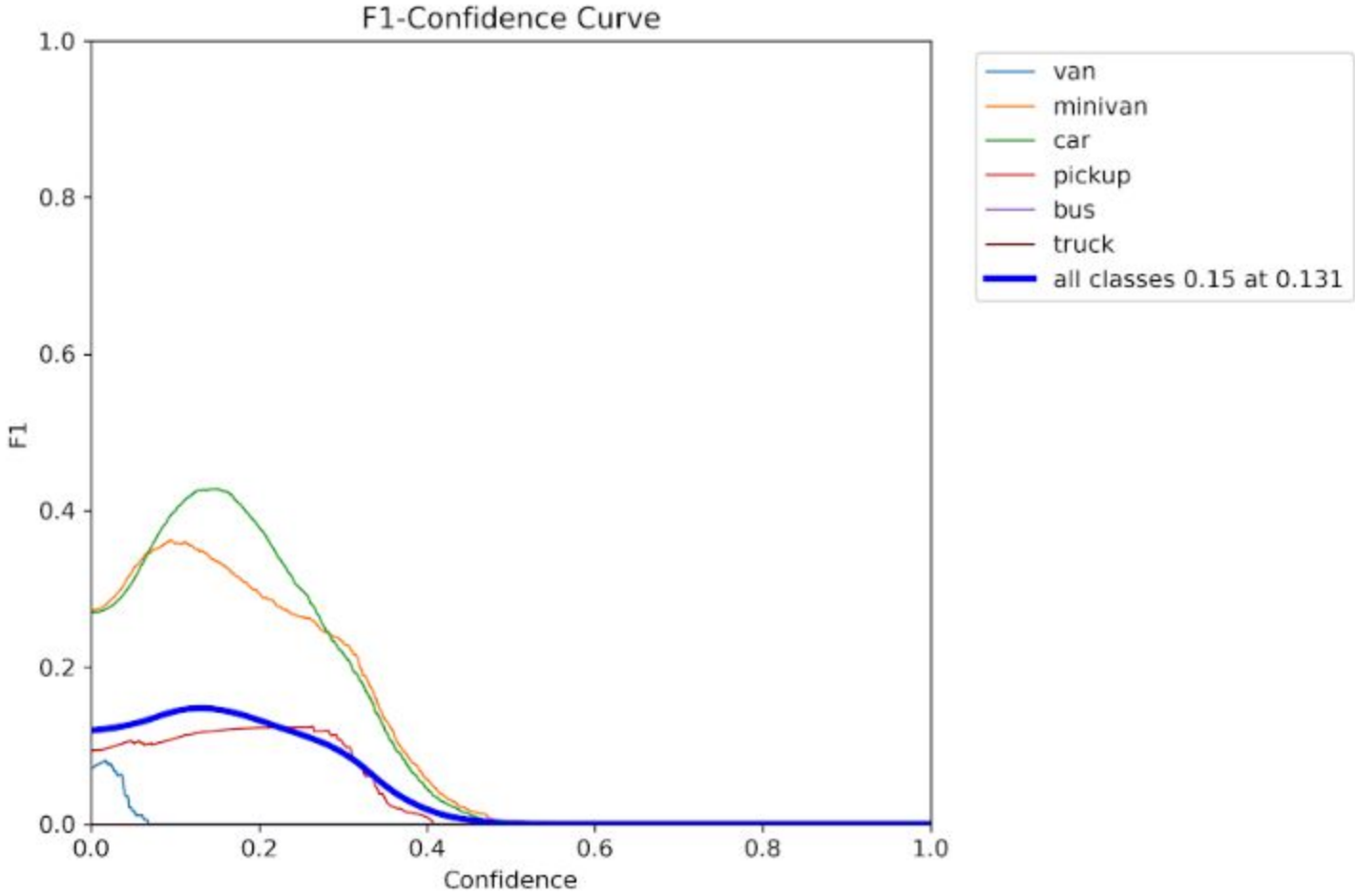
1. van
2. minivan
3. car
4. pickup
5. bus
6. truck

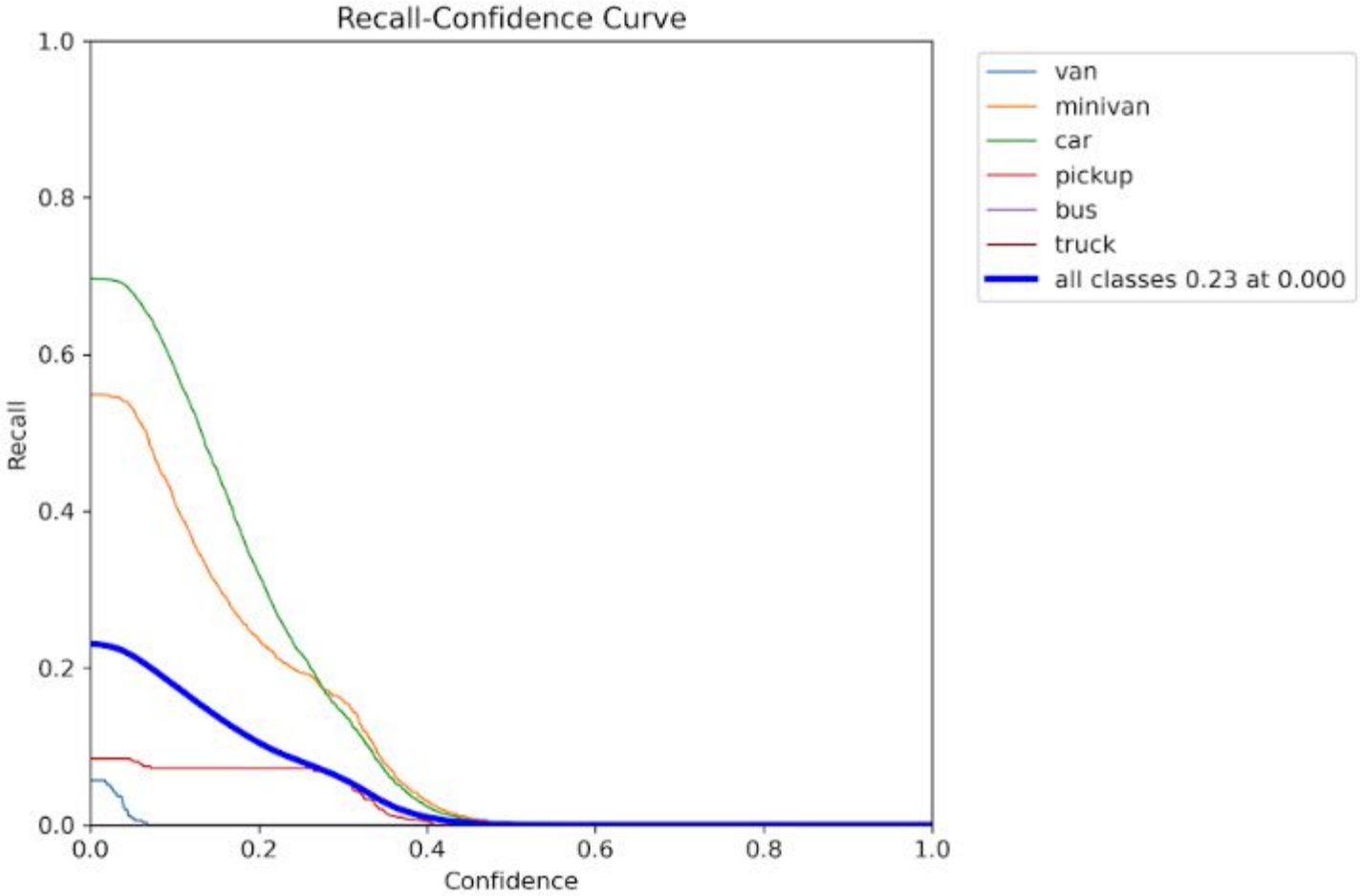

78.jpg
35.jpg
57.jpg
5.jpg
84.jpg

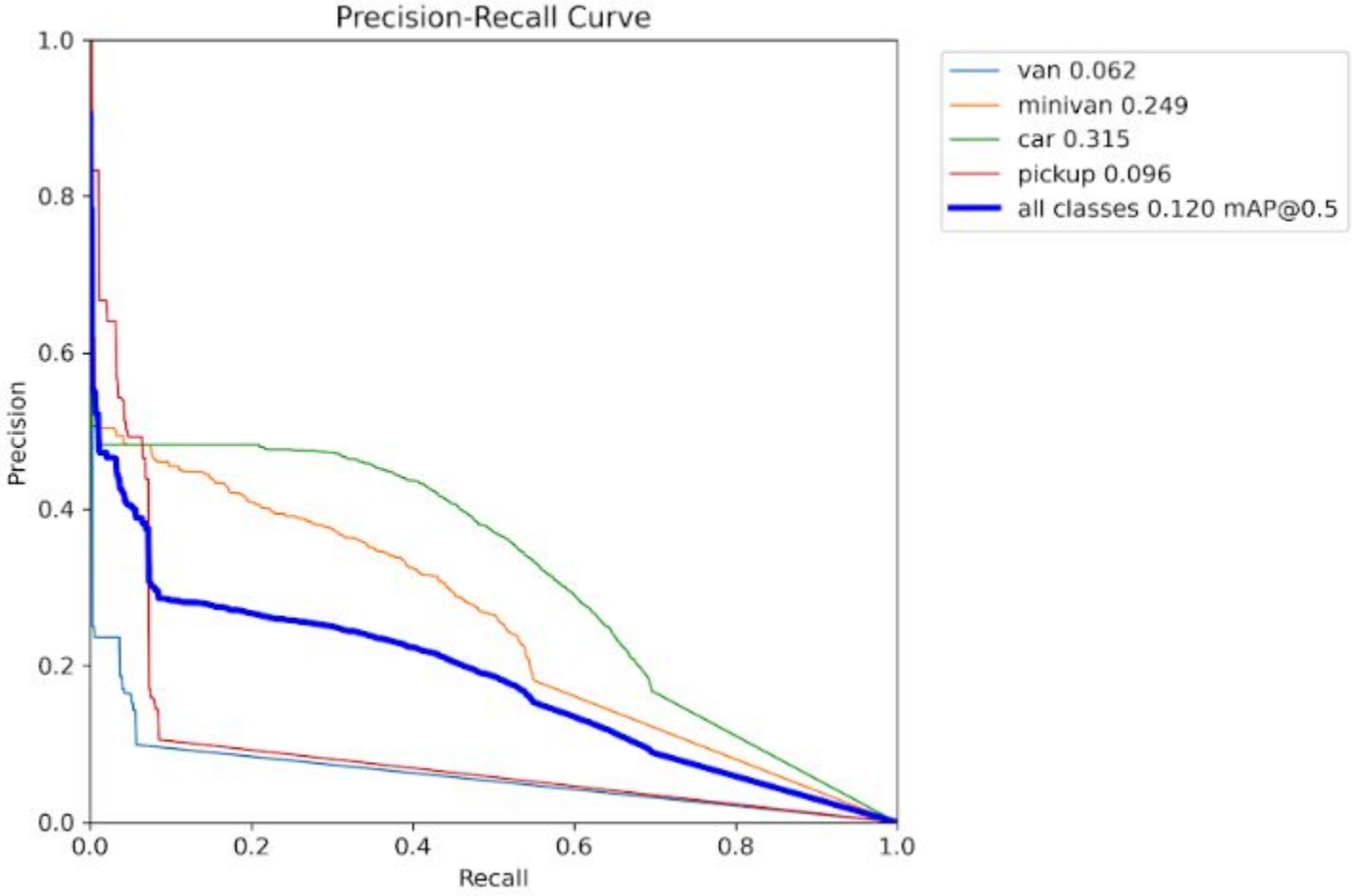

88.jpg
27.jpg
89.jpg
49.jpg
38.jpg
14.jpg
24.jpg
57.jpg
50.jpg

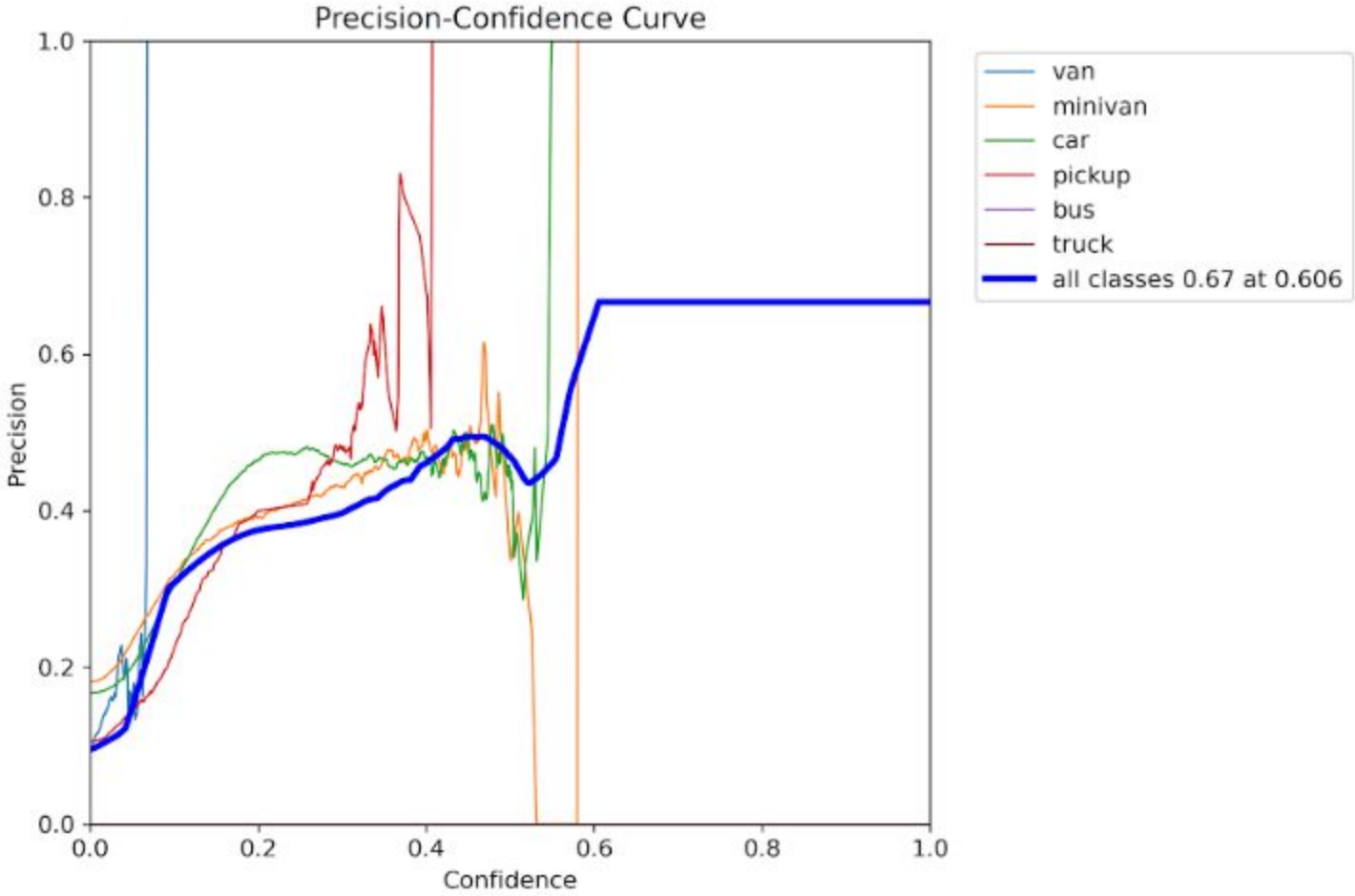

41.jpg
56.jpg
53.jpg
8.jpg
86.jpg

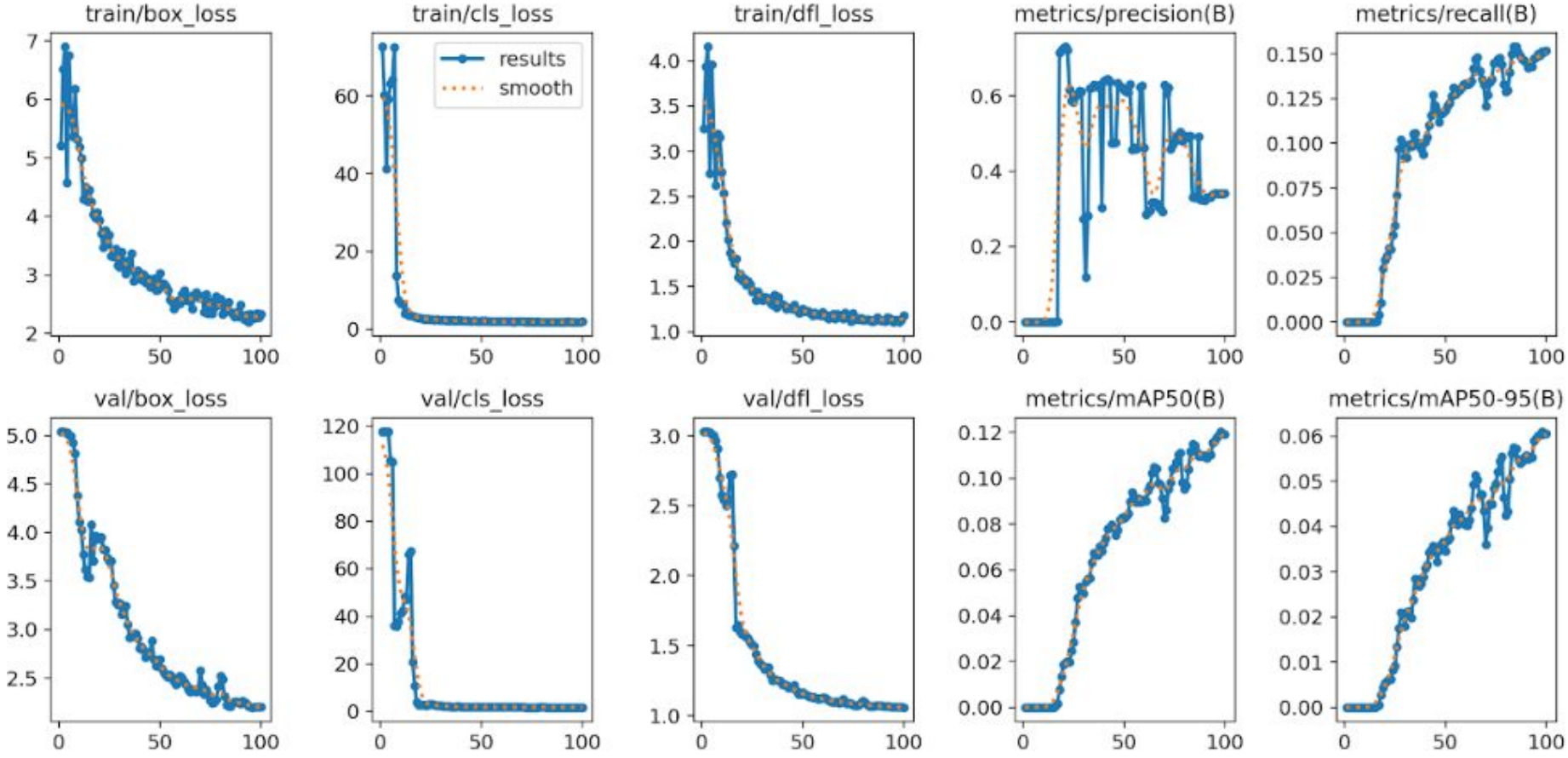

6000
5000
4000
3000
2000
1000
0
instances
van
minivan
car
pickup
bus
truck


F1-Confidence Curve
1.0
0.8
0.6
0.4
0.2
0.0
F1
0.0
0.2
0.4
0.6
0.8
1.0
Confidence
van
minivan
car
pickup
bus
truck
all classes 0.15 at 0.131

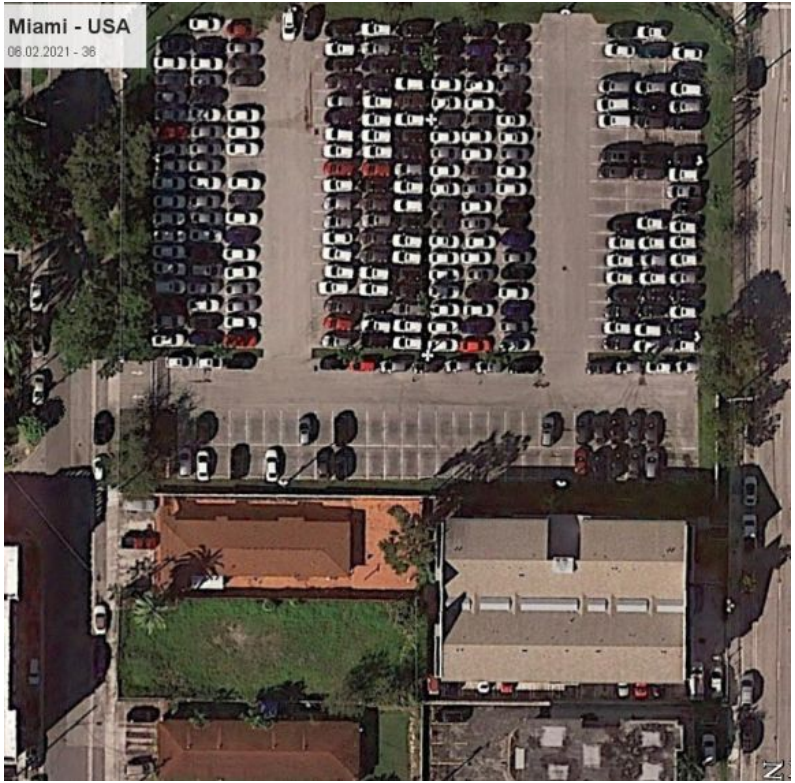

Recall-Confidence Curve
Recall
Confidence
0.0
0.2
0.4
0.6
0.8
1.0
van
minivan
car
pickup
bus
truck
all classes 0.23 at 0.000

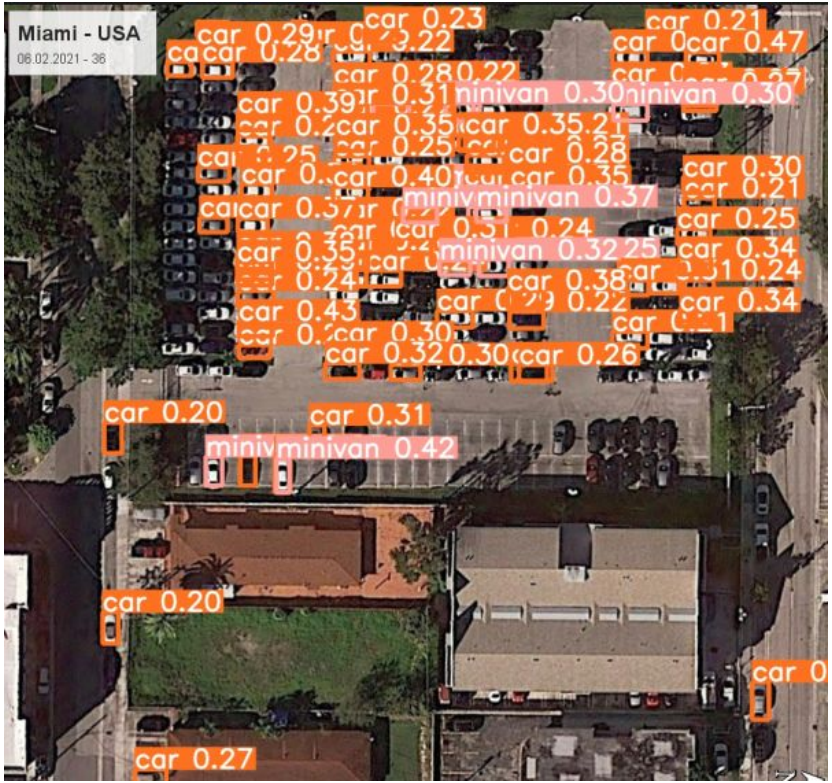

Precision-Recall Curve
Precision
Recall
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0
van 0.062
minivan 0.249
car 0.315
pickup 0.096
all classes 0.120 mAP@0.5


Precision-Confidence Curve
Precision
Confidence
0.0
0.2
0.4
0.6
0.8
1.0
van
minivan
car
pickup
bus
truck
all classes 0.67 at 0.606


train/box_loss
train/cls_loss
results
smooth
train/dfl_loss
metrics/precision(B)
metrics/recall(B)
val/box_loss
val/cls_loss
val/dfl_loss
metrics/mAP50(B)
metrics/mAP50-95(B)


car 0.24
minivan 0.22
car 0.34
0.30
0.32
car 0.29
car 0.40
car 0.39
minivan 0.35
0.27
0.24
minivan 0.39


Miami - USA
06.02.2021 - 36


Miami - USA
06.02.2021 - 36
car 0.23
car 0.21
car 0.47
car 0.31
minivan 0.30
minivan 0.30
car 0.35
car 0.28
car 0.30
car 0.21
minivan 0.37
car 0.25
car 0.34
minivan 0.32
car 0.24
car 0.43
car 0.32
car 0.30
car 0.26
car 0.20
car 0.31
minivan 0.42
car 0.20
car 0.27


P samal


P samal
car 0.23
car 0.43
car 0.25
car 0.42
car 0.26
car 0.24
car 0.37
car 0.27
car 0.21
car 0.25
car 0.22
car 0.27
minivan 0.28
car 0.25
car 0.31
car 0.37
car 0.22
car 0.34
car 0.21
car 0.23

```
Ultralytics YOLOv8.1.42 🚀 Python-3.10.12 torch-2.2.1+cu121 CUDA:0 (Tesla T4, 15102MiB)
YOLOv8n summary (fused): 168 layers, 3006818 parameters, 0 gradients, 8.1 GFLOPs

image 1/8 /content/gdrive/My Drive/iitm_2024/data/test_images/test_1.jpg: 640x640 12 minivans, 75 cars, 7.7ms
image 2/8 /content/gdrive/My Drive/iitm_2024/data/test_images/test_2.png: 544x640 4 minivans, 10 cars, 96.4ms
image 3/8 /content/gdrive/My Drive/iitm_2024/data/test_images/test_3.png: 448x640 1 car, 90.7ms
image 4/8 /content/gdrive/My Drive/iitm_2024/data/test_images/test_4.png: 640x608 7 minivans, 24 cars, 60.6ms
image 5/8 /content/gdrive/My Drive/iitm_2024/data/test_images/test_5.png: 608x640 1 minivan, 67 cars, 59.9ms
image 6/8 /content/gdrive/My Drive/iitm_2024/data/test_images/test_6.png: 608x640 4 minivans, 29 cars, 7.4ms
image 7/8 /content/gdrive/My Drive/iitm_2024/data/test_images/test_7.png: 608x640 1 minivan, 3 cars, 7.5ms
image 8/8 /content/gdrive/My Drive/iitm_2024/data/test_images/test_8.png: 544x640 4 cars, 8.0ms
Speed: 5.2ms preprocess, 42.3ms inference, 89.6ms postprocess per image at shape (1, 3, 544, 640)
Results saved to runs/detect/predict
💡 Learn more at https://docs.ultralytics.com/modes/predict
```