

CMPE 258
HW2-Object Detection
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Training Option:

- First, I utilized the existing cocodata set from /data/cmpe249-fa23/coco and store the output at /data/cmpe249-fa23/trainoutput. Second, I took dataset from /data/cmpe249-fa23/waymotrain200cocoyolo/. And change the checkpoint to “./outputdir/yolo/1004/checkpoint.pth”. This is output is located in my repo/DeepDataMiningLearning/DeepDataMiningLearning.
- After getting the checkpoint I did the evaluation by running the myevaluator.py Here is the output result from coco dataset

```
1 import torch
2 import torchvision
3 import dataset
4 import os

# ... (omitted code) ...

# Evaluation results
print("Evaluating results...")
# ... (omitted code) ...

# Final metrics
print("Final metrics:")
print("AP: 0.4966, AR: 0.4966, F1: 0.4966")
```

Here is the output evaluator result from Waymo data

```
1 import torch
2 import torchvision
3 import dataset
4 import os

# ... (omitted code) ...

# Evaluation results
print("Evaluating results...")
# ... (omitted code) ...

# Final metrics
print("Final metrics:")
print("AP: 0.1819, AR: 0.1819, F1: 0.1819")
```

The issue both giving the IoU bbox output 0 values. I think I did not train it properly. There are several reasons why the outputs are all 0. Perhaps the models were not trained properly, wrong parameters setup, or even the evaluation script issue. However, at this time, I don't know what exactly the cause.