

Assignment 4

Name: Ruichao Chen

NetID: rc38

Object Detection by YOLO

1. My best mAP value on Kaggle : 0.5639
2. Did you upload the final CSV file on Kaggle: Yes
3. My final loss value: 4.671
4. What did not work in my code (if anything): After modifying and optimizing of my code, everything works well.
5. Sample Images from my detector from PASCAL VOC: The model successfully detects objects across multiple classes.

Animals (cat: 0.803 AP, dog: 0.755 AP, horse: 0.725 AP)

Vehicles (car: 0.679 AP, bicycle: 0.690 AP, motorbike: 0.662 AP, train: 0.692 AP)

People (person: 0.591 AP)

The visualization shows the model accurately identifies objects, draws bounding boxes, and displays class names with confidence scores.

