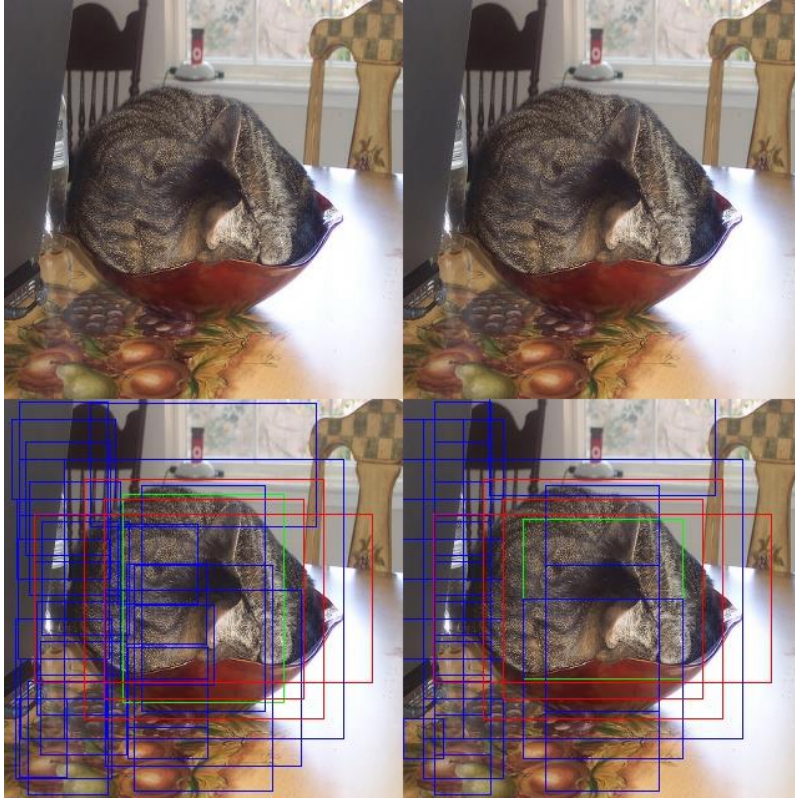# CMPT 733 Assignment3 Report
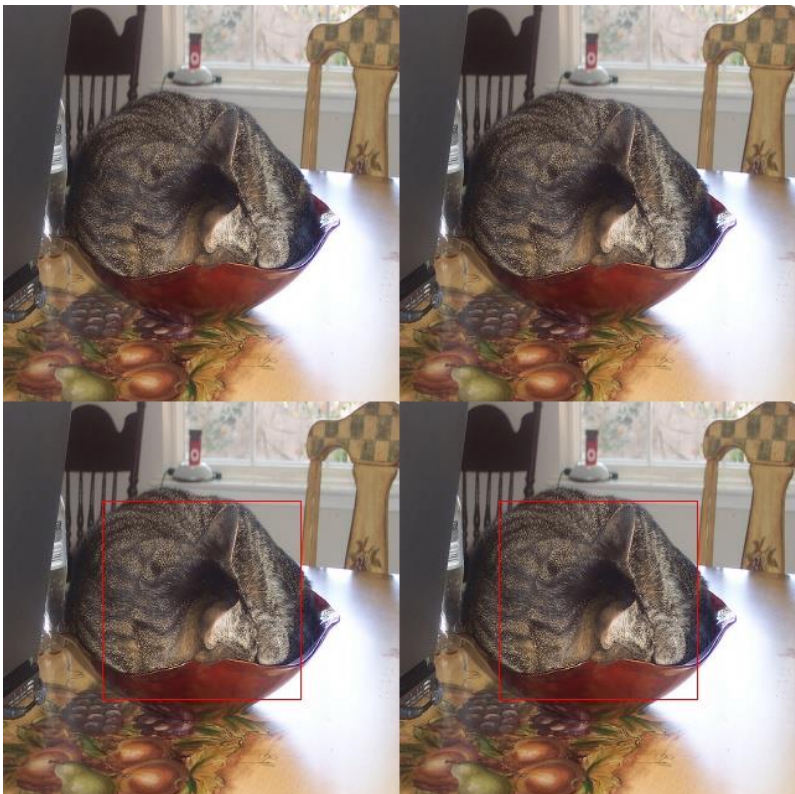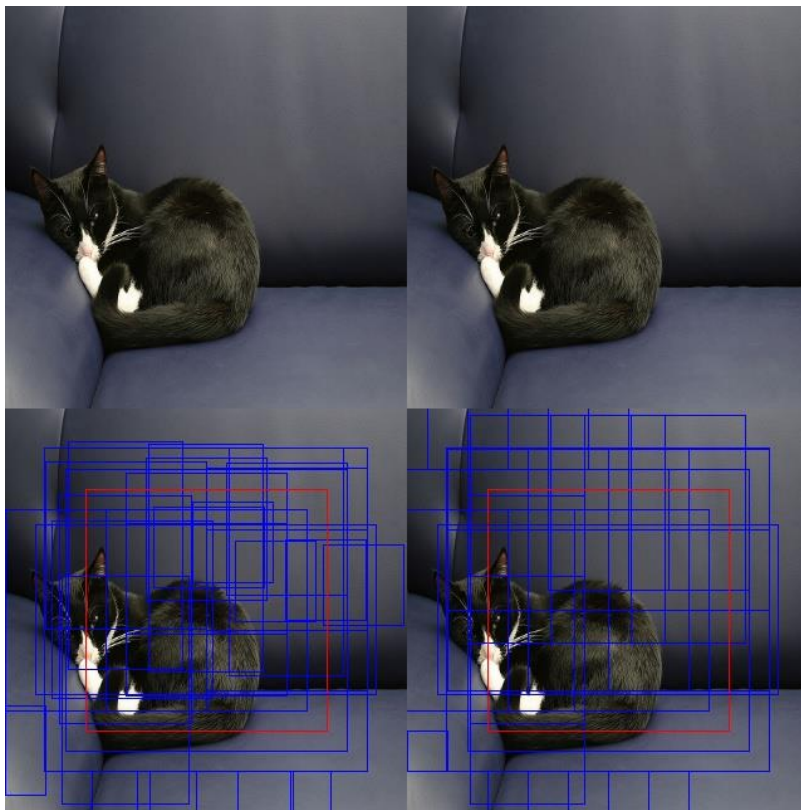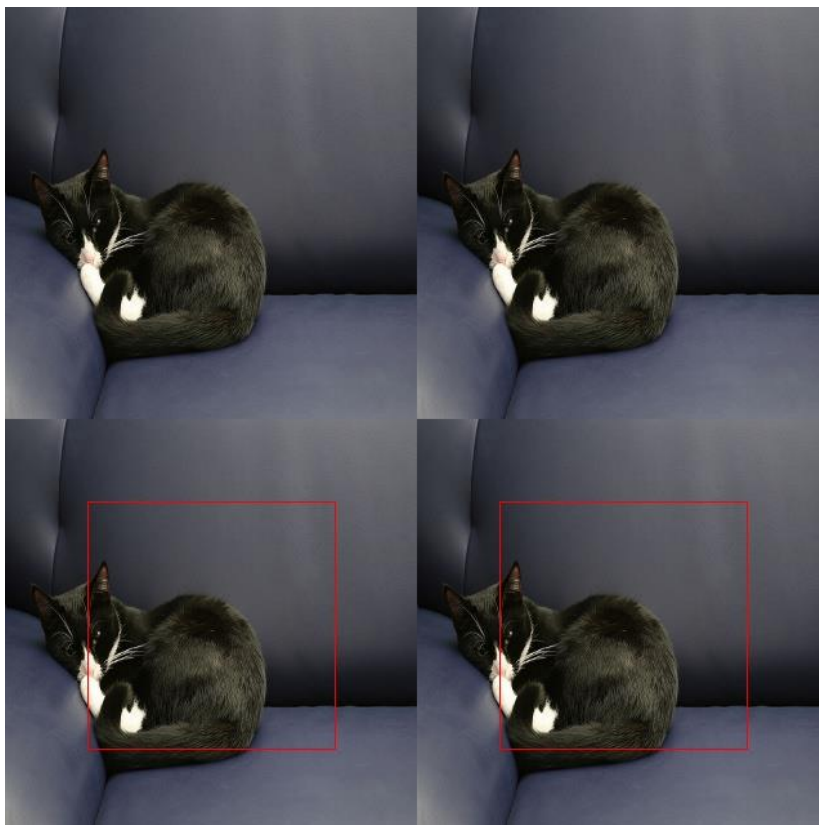
Cat before NMS

Cat after NMS

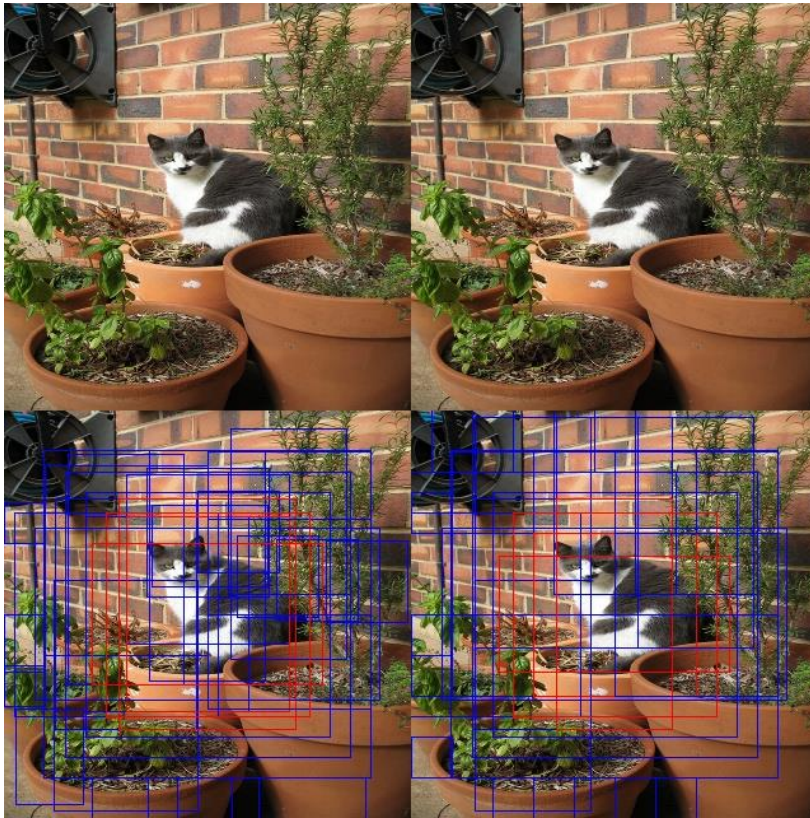Cat2 before NMS
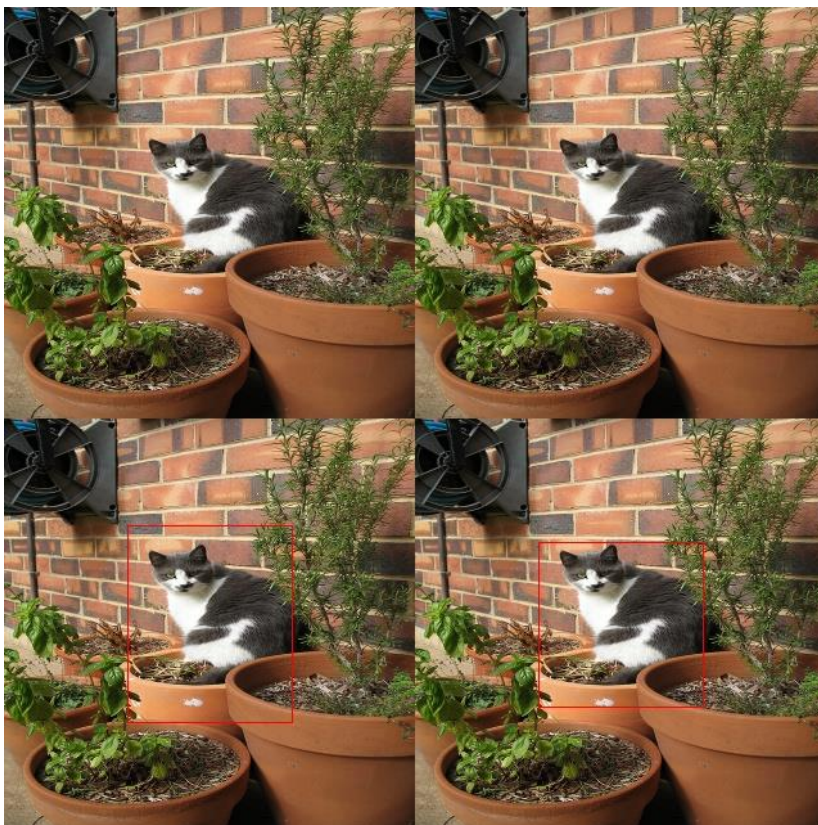

Cat2 after NMS
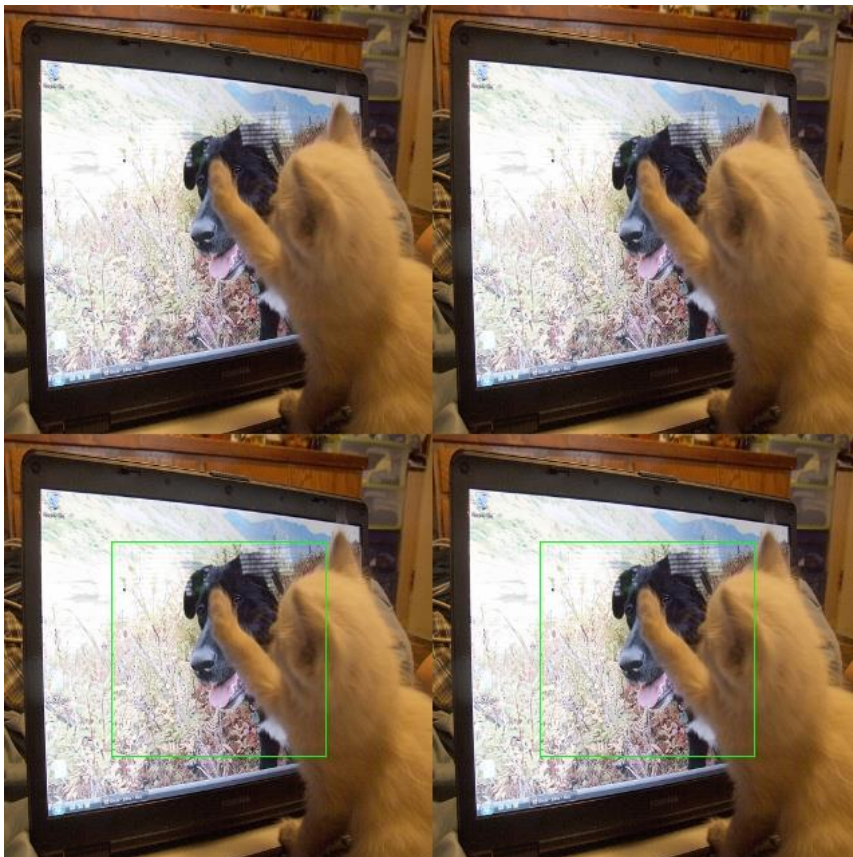
Cat3 before NMS

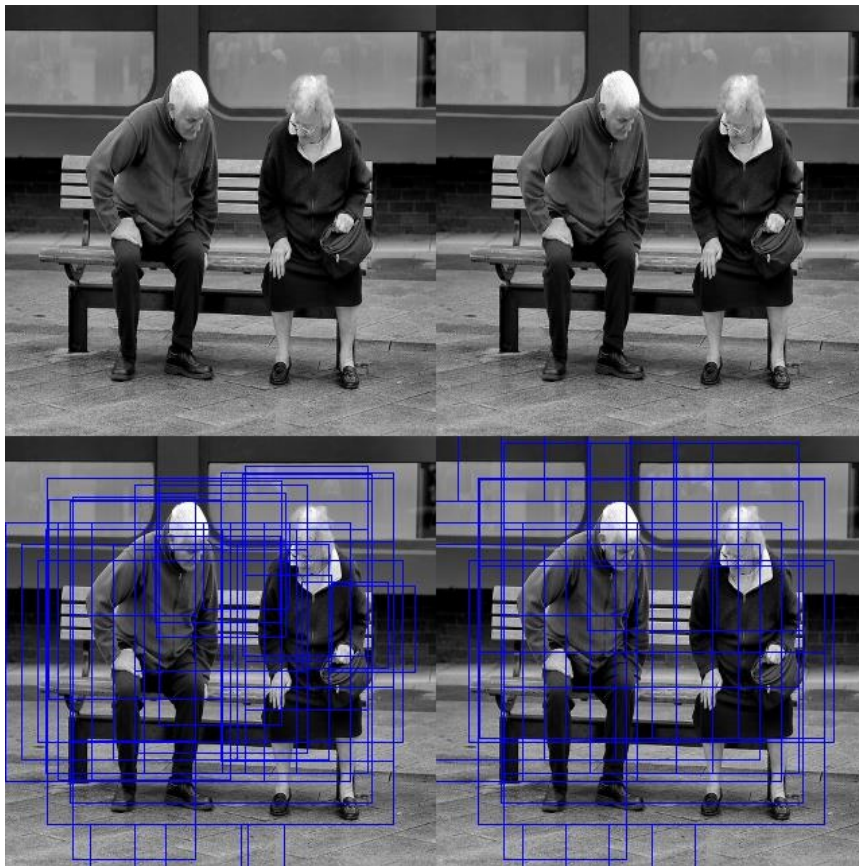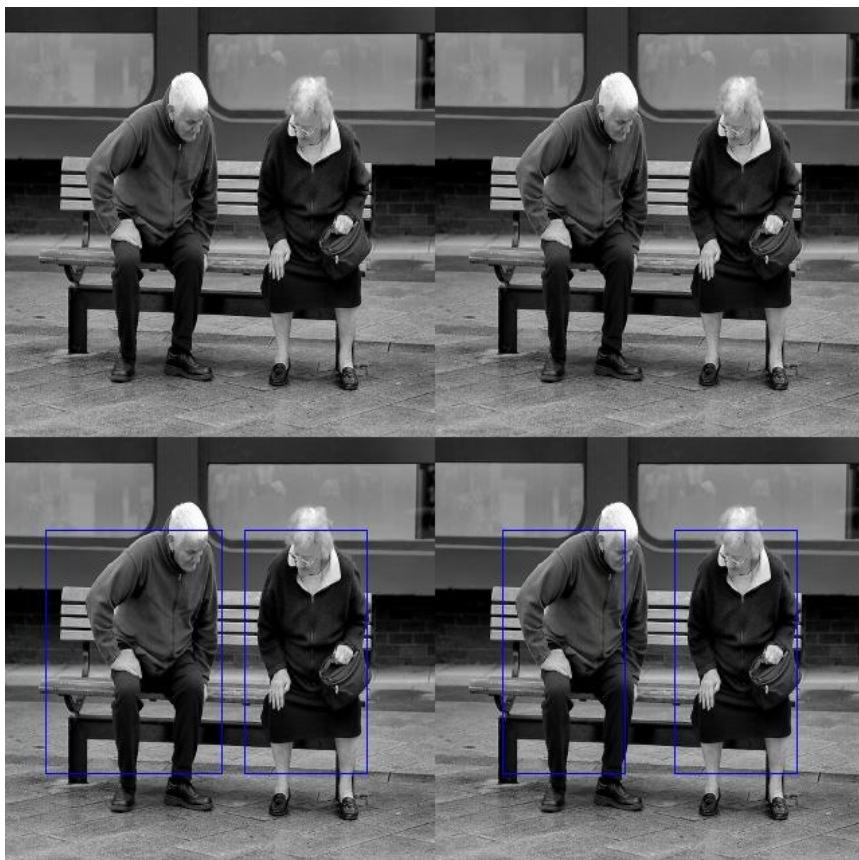Cat3 after NMS

Dog before NMS

Dog after NMS

Two People before NMS
For multiple object detection, I just fine-tuning the overlap parameter in NMS to 0.1, so that different objects can be clearly detected
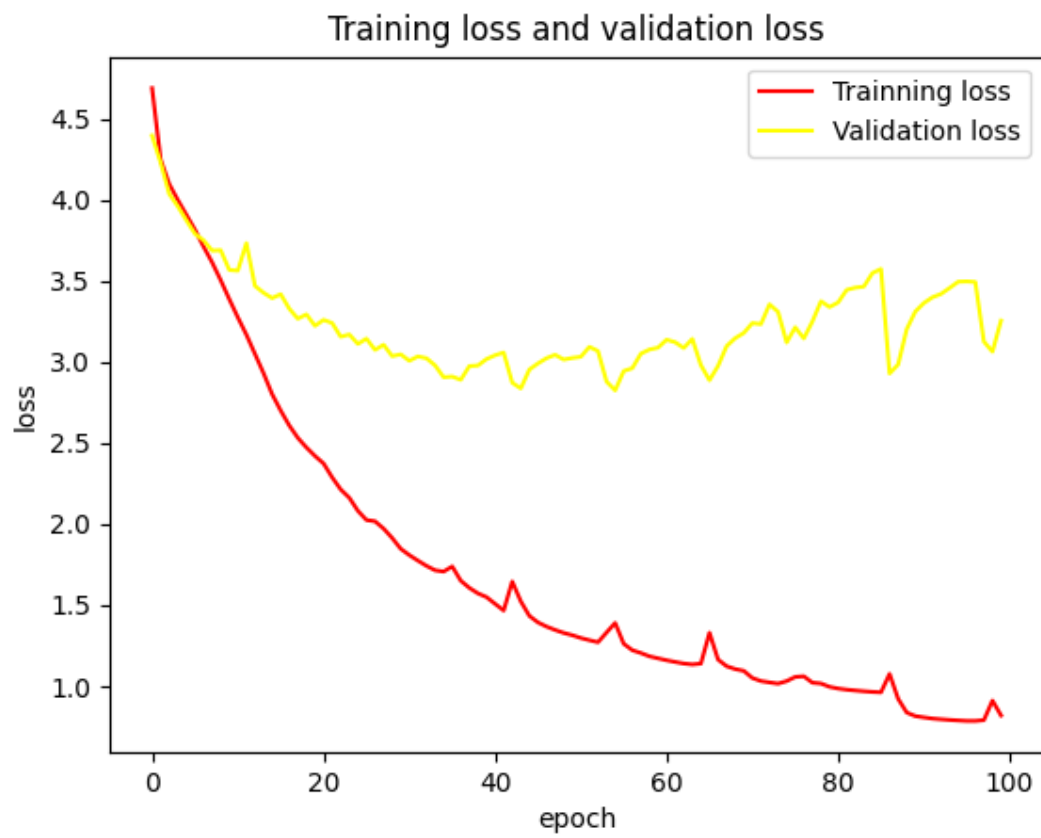

Two People after NMS

Two People2 before NMS

Two People2 after NMS

Loss Graph with 100 iteration:

Training loss and validation loss

Hyper parameter:

num_epochs = 100
batch_size = 16
optimizer = optim.Adam(network.parameters(), lr = 1e-4)