Detection algorithms

LATEST SUBMISSION GRADE

You are building a 3-class object classification and localization algorithm. The classes are: pedestrian (c=1), car (c=2), motorcycle (c=3), What would be the label for the following image? Recall $y = [p_c, b_2, b_3, b_4, b_4, c_1, c_2, c_3]$







Continuing from the previous problem, what should y be for the image below? Remember that "?" means "don't care", which means that the neural network loss function won't care what the neural network gives for that component of the output. As before, $y=[p_c,b_c,b_y,b_y,b_u,b_v,c_1,c_2,c_3]$.















t is the most appropriate set of output units for your neural network?









Suppose you are applying a sliding windows classifier (non-convolutional implementation). Increasing the st would tend to increase accuracy, but decrease computational cost.

















on the predicted boxes above. The parameters you use for non-max

illity ≤ 0.4 are discarded, and the IoU threshold for deciding if two boxes
tain after non-max suppression?





✓ Correct

