

```

function ratio=ranking(path)
    ratio = 100;

    I = imread(path.img);
    detector = load('~\matlabR2018b\bin\newDetectors-8thJun\acfDetector.mat');
    [bboxes, scores]=detector.acfDetector.detect(I);
    %detectedImg = insertObjectAnnotation(I,'rectangle',bboxes,scores,'color','r')
    %check if anything is detected!
    if isempty(scores)
        sprintf('nothing detected!')
    else
        [selectedBboxes,selectedScores] = selectStrongestBbox(bboxes,scores,'RatioType','Union','OverlapThreshold',0.1)
        for i=1: length(selectedScores)-1
            if i+1 <= length(selectedScores)
                if selectedScores(i) > 20 && selectedScores(i+1) > 20 && selectedBboxes(i,4) > 40
                    B1 = selectedBboxes(i,:);
                    B2 = selectedBboxes(i+1,:);
                    distance=abs(B1-B2)
                    if distance(1,1) <= 130
                        ratio=bboxOverlapRatio(selectedBboxes(i,:), selectedBboxes(i+1, : ))
                    else
                        sprintf('vehicles do not have enough space from each others')
                    end
                else
                    sprintf('not enough scores to decide!')
                end
            end

            else
                sprintf('all detection been processed')
                break;
            end
        end
    end
end
end
end

```