Object Detection

Non-max suppression

deeplearning.ai
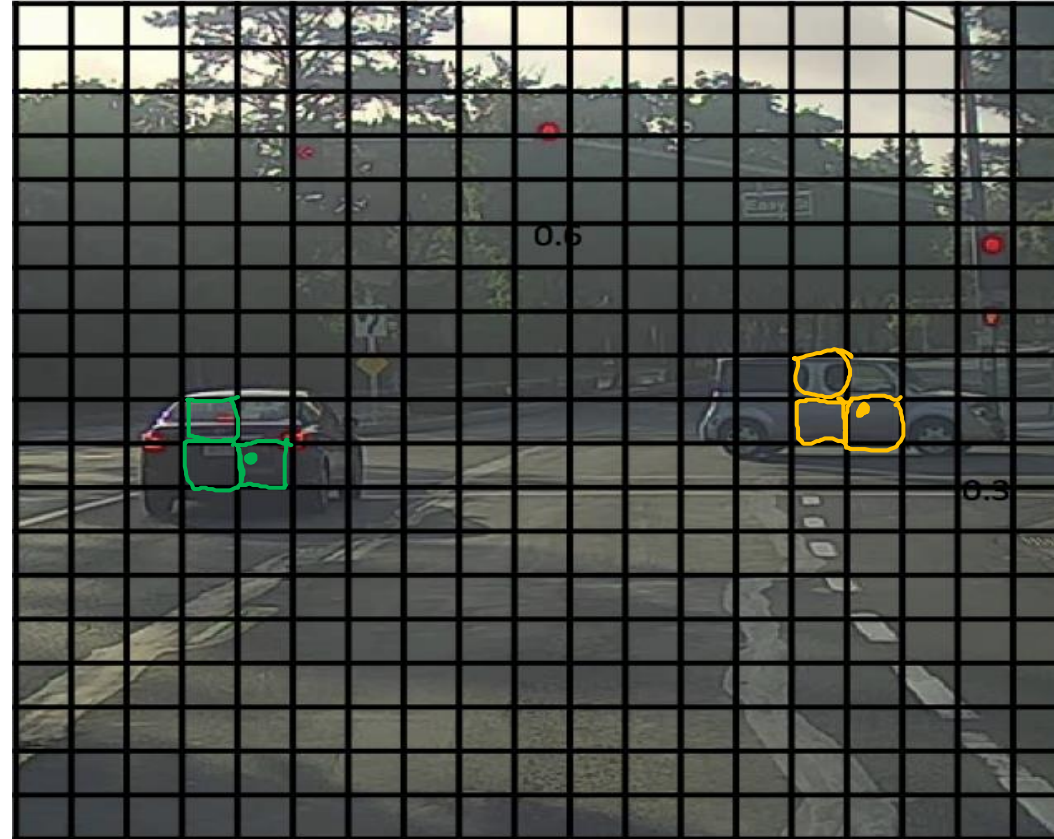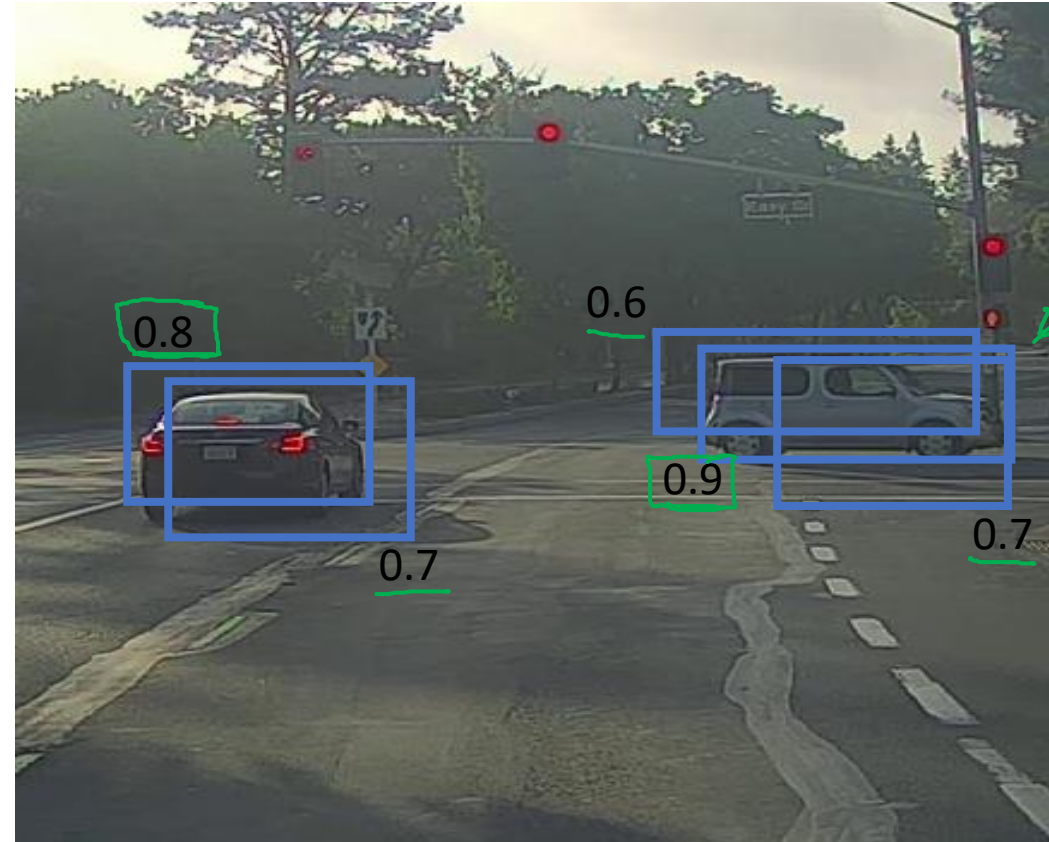
Non-max suppression example

Non-max suppression example

19x19

Non-max suppression example

Andrew Ng

Non-max suppression algorithm
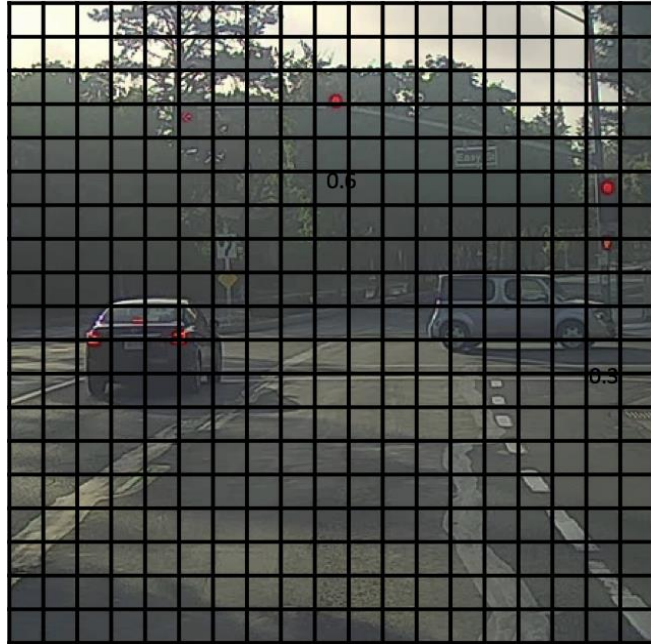
19× 19

Each output prediction is:

$$\begin{bmatrix} p_c \\ b_x \\ b_y \\ b_h \\ b_w \end{bmatrix}$$

$$\begin{matrix} c_1 \\ c_2 \\ c_3 \end{matrix}$$
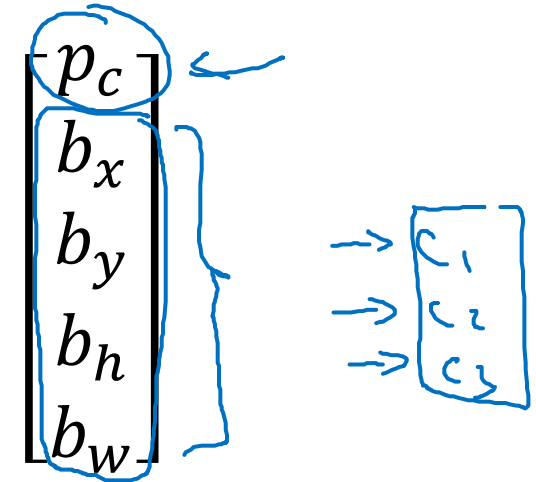
Discard all boxes with $p_c \leq 0.6$

While there are any remaining boxes:

- Pick the box with the largest p_c
  Output that as a prediction.

- Discard any remaining box with
  IoU ≥ 0.5 with the box output
  in the previous step

Andrew Ng