

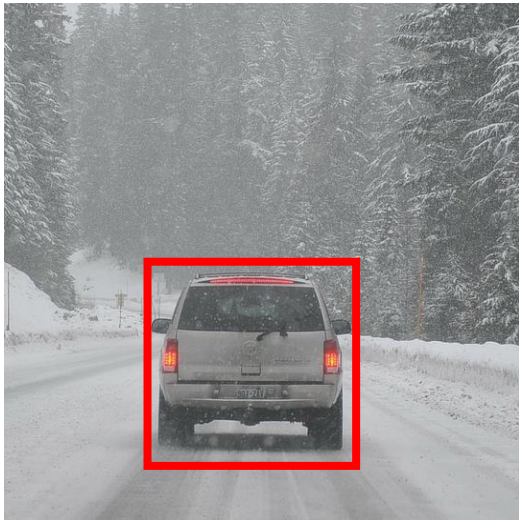
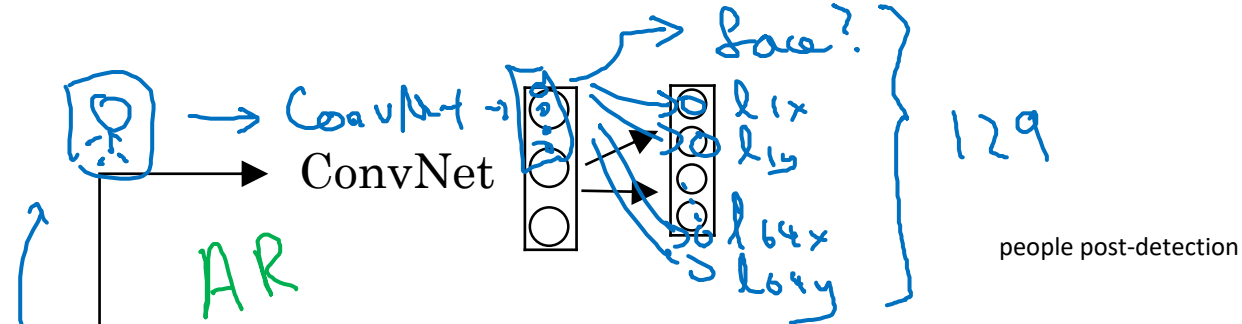


deeplearning.ai

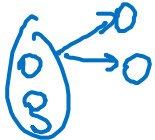
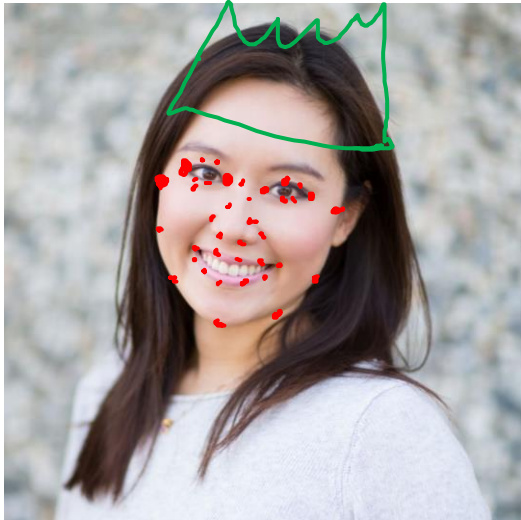
Object Detection

Landmark
detection

Landmark detection



b_x, b_y, b_h, b_w



But you could define some number for the sake of argument, let's say 64 points or 64 landmarks on the face.

$l_{1x}, l_{1y}, l_{2x}, l_{2y}, l_{3x}, l_{3y}, l_{4x}, l_{4y}, \dots, l_{64x}, l_{64y}$ } x, y

$l_{1x}, l_{1y}, \dots, l_{32x}, l_{32y}$

If you use 32 coordinates to specify the pose of the person.

So this idea might seem quite simple of just adding a bunch of output units to output x,y coordinates of different landmarks you want to recognize, to be clear, the identity of landmark 1 much be consistent across different images.