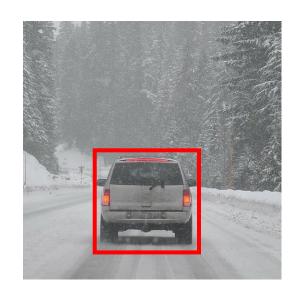


Object Detection

Landmark detection

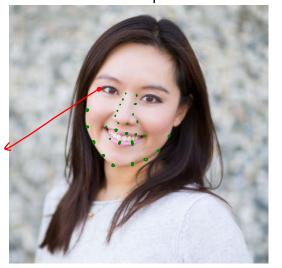
Landmark detection

General case of bx, by, by and bw Goupput any (x,y) coordinates of Interest



 b_x , b_y , b_h , b_w

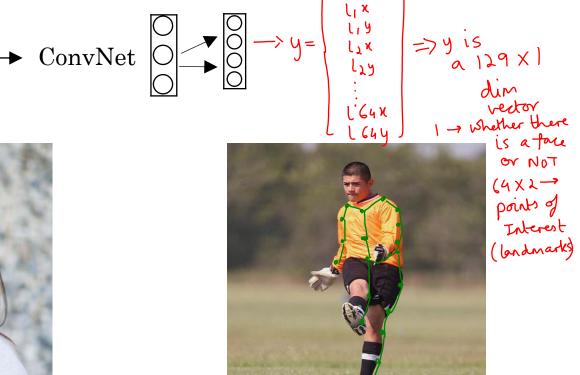
Final role The labels have to be consistent in landmark detection eg IJ Lix, liy = coordinates of bottom
of chin of a face, it has to be true for all training - lix, liy - Imagel - chin 1 $(L_1x, L_1y) \rightarrow \text{Image } \lambda \rightarrow \text{chin } \lambda$.



Say you're interested in the position of the corner of the eye in the above Image (lx,ly), then instead of (bx,by,bw,bH) in the previous example, you output this in the "y" rector Say, we want the green points in the face above as well (maybe to entract facial enpression/position of ten Instead of (lx,ly) -> we could output a vector of these K

Hen Instead of (lx,ly) -> we could output a vector of these K

points (l,x,l,y), (l,x,l,y) (l,x,l,y) month etc)



Pose rection have Lixilizato

collection of parks of Interest

Lnx,lny

Andrew Ng

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