



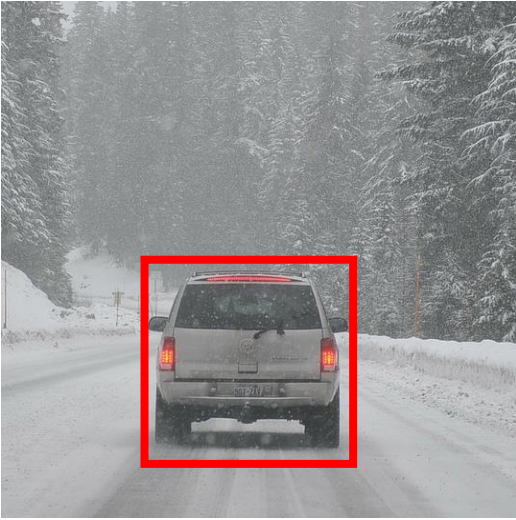
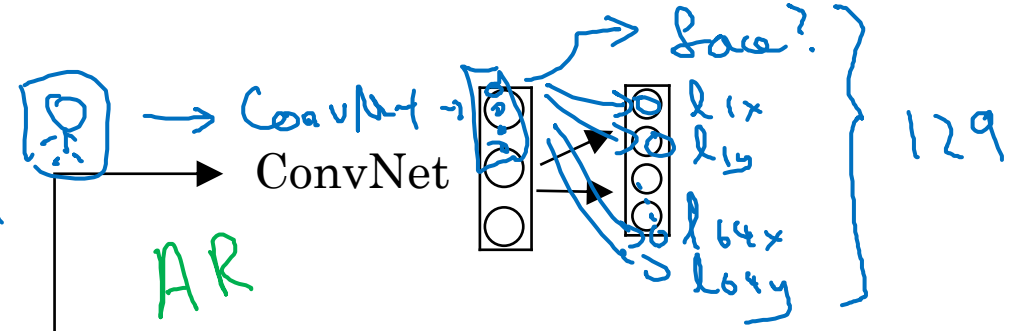
deeplearning.ai

# Object Detection

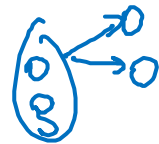
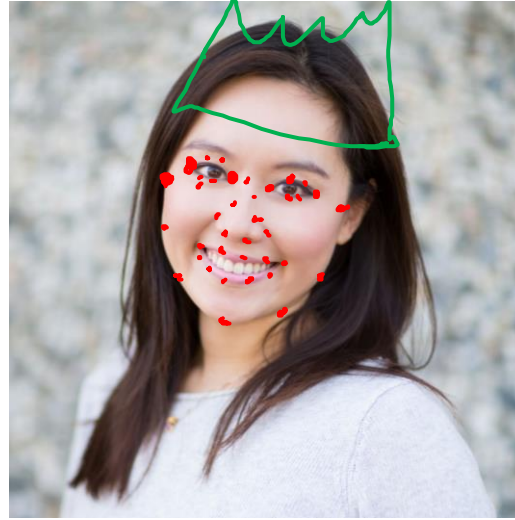
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Landmark  
detection

# Landmark detection



$b_x, b_y, b_h, b_w$



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

$x, y$

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