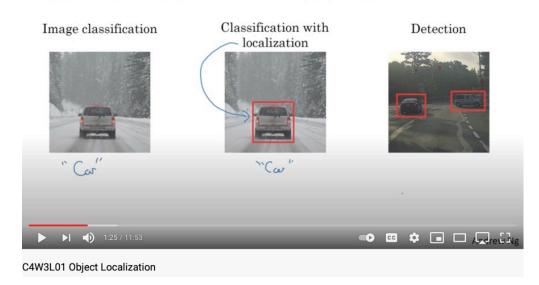
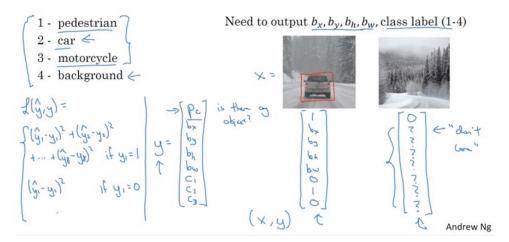
What are localization and detection?



What is the difference between these problems?

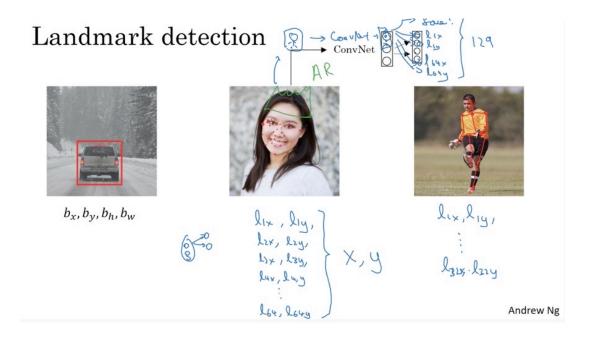
Classification with Localization:

Defining the target label y

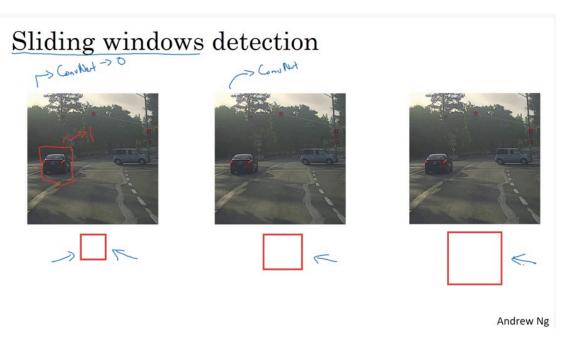


What would the loss function be if you used cross-entropy loss for classification outputs and MSE for regression outputs?

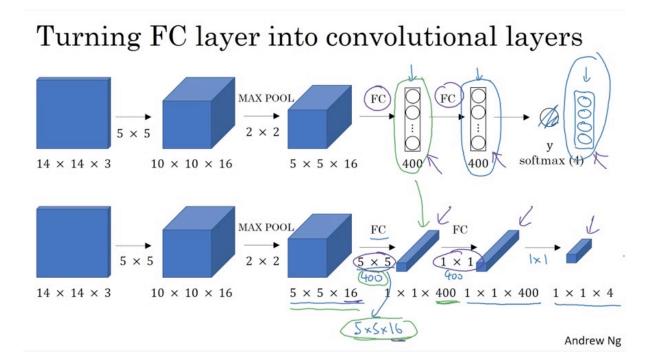
What is the theoretical underpinning of this loss?



What are some concerns about doing landmark detection as described?

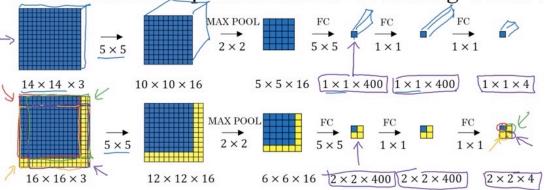


How do you pass larger image fragments into the same classifier?



By changing these fully connected layers into convolutional layers, what does that now allow us to do?

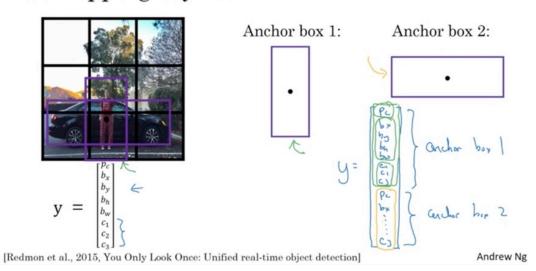
Convolution implementation of sliding windows

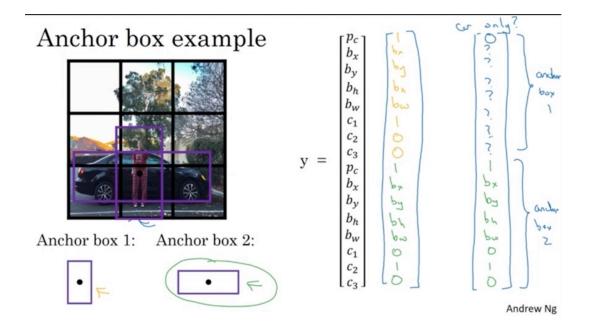


[Sermanet et al., 2014, OverFeat: Integrated recognition, localization and detection using convolutional networks]

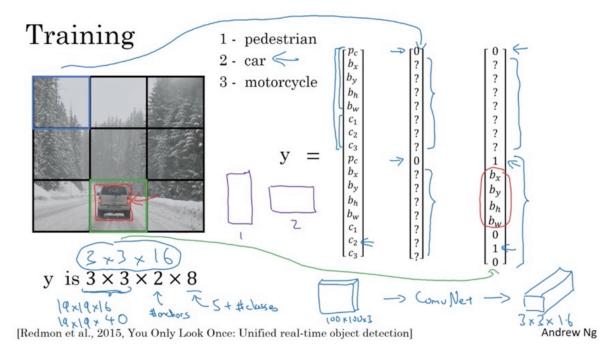
Andrew Ng

Overlapping objects:

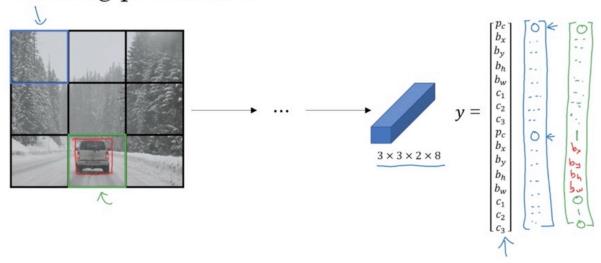




YOLO Training



Making predictions



Andrew Ng