



deeplearning.ai

# Object Detection

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Object  
detection

# Car detection example

Training set:

$X$

$y$



1



1



1



0



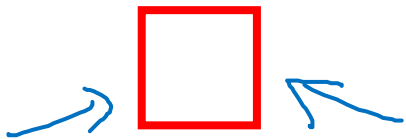
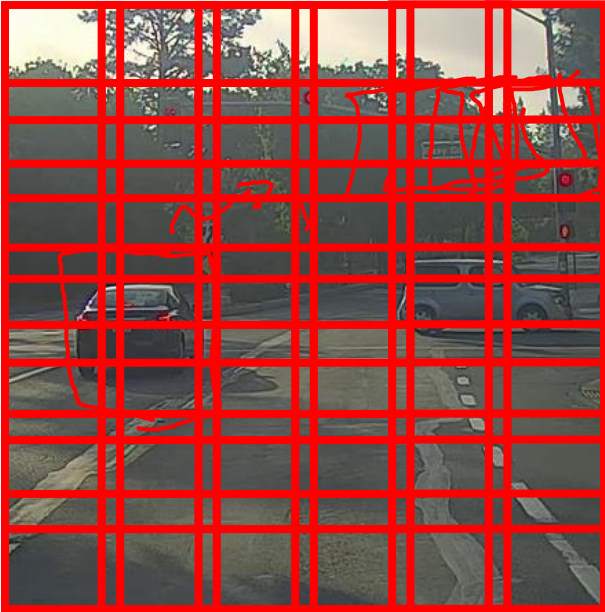
0



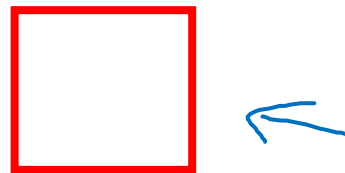
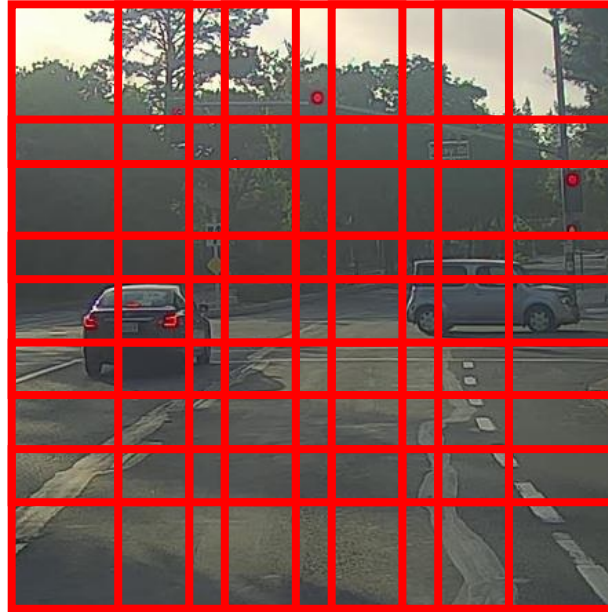
$\rightarrow$  ConvNet  $\rightarrow y$

# Sliding windows detection

→ ConvNet → 0



→ ConvNet



Computation cost

