deeplearning.ai

Object Detection

Object

detection

Car detection example

Training set:

x   y

1

1

1

0

0

ConvNet → y
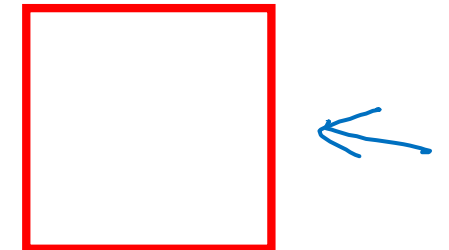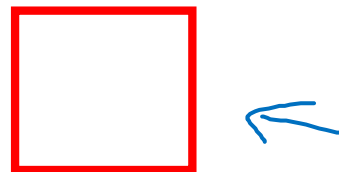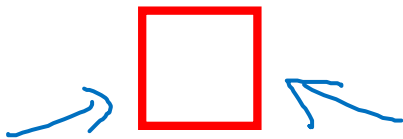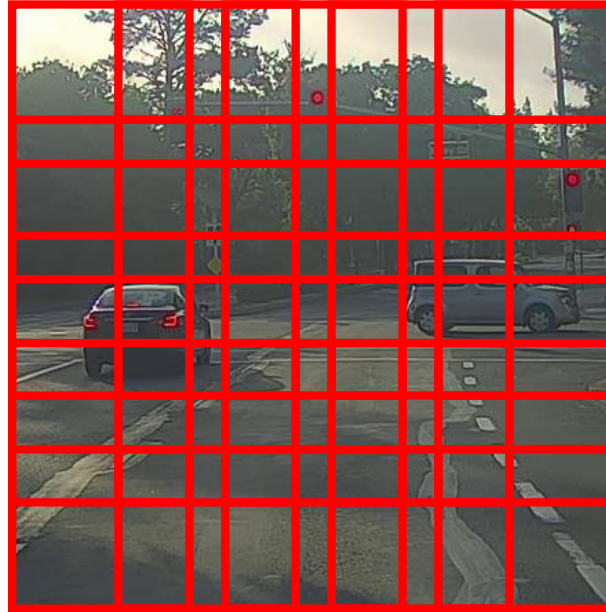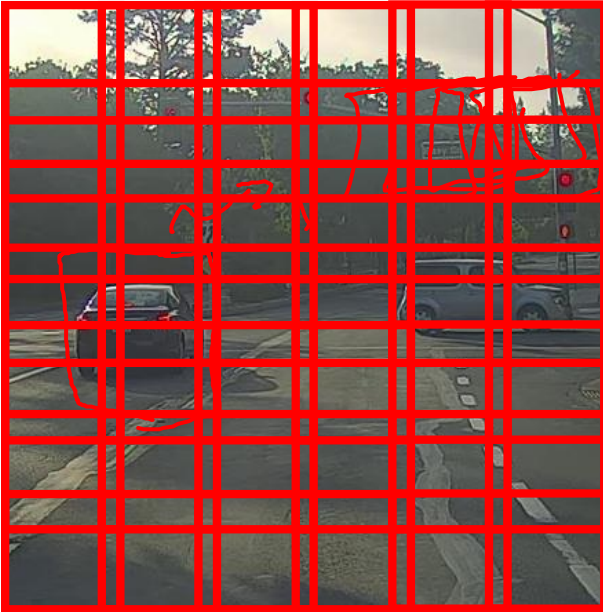
Sliding windows detection

Disadvantage: Computational Cost
If the stride is too big, then the algorithms may fail to detect the object, or fail to accurately report the location of the object

→ ConvNet → 0

→ ConvNet

Computation cost

If the stride is too small, then it will be computationally very expensive.

Andrew Ng