



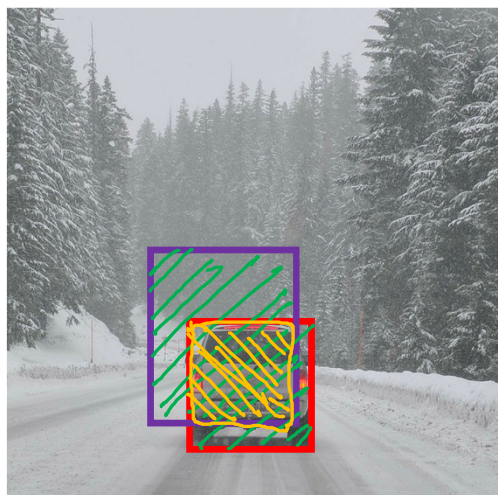
deeplearning.ai

# Object Detection

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**Intersection  
over union**

# Evaluating object localization



Intersection over Union (IoU)

$$= \frac{\text{size of } \text{yellow box}}{\text{size of } \text{green box}}$$

“Correct” if IoU  $\geq$  0.5  $\leftarrow$

0.6  $\leftarrow$

More generally, IoU is a measure of the overlap between two bounding boxes.