



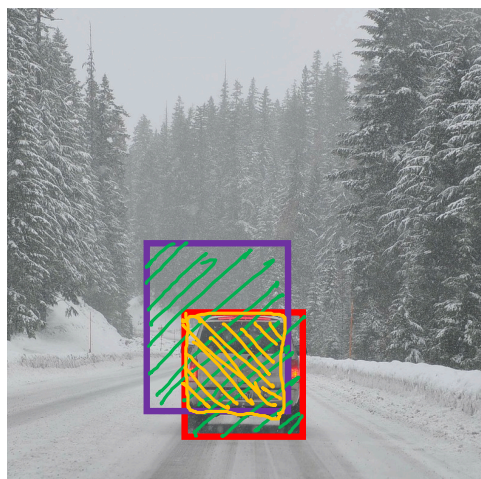
deeplearning.ai

# 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  $\text{IoU} \geq 0.5$  ←

0.6 ←

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