OBJECT DETECTION

- 1) YOLO (YOU only look once)
 - " Object Detection
 - * Object classification [9f image has more than one object, ? Object classification will not work)

Localization - drawing boundary box around object detected

* Intersection over Union method (IoU)

Li computes intersection over union on & bounding blocks

IoU = Size of intersection

Size of Union

correct if IoU > 0:5

Non-Max supression

4 used for cleaning up when multiple bonnes are predicted for same object

4 pick the box with max IOU

* Annchor Boxes
La Used to detect multiple objects in image.
La set of predefined boundary boxes of certain height and width

Region Proposal, find area where Object can be found Retwork (RPN) foreground class - area where object is found background class - area where object is not present

Regressor (refined Bounding) Input Region Region Image Proposal - classifier (object or background) anterest (ROI) Network Pooling gives feature map of anchor boxes which are "Input -> different size of feature maps labelled as foreground class/ (Task -> To reduce all feature maps to same