mAP: 各类AP的手物值

AP: PR曲线下面积

PR曲线: Precision—Recall 由各

Precision: TP | Recoll: TP+FN

TP= IOU >as 数是 (同- Ground Truth 讲法)

Fp: IOU < OIS 梳测框 或是松滩则目-GT多字长洲框数是

FN: 没有检测到 GT数量

· VOC 2do 之前, 选取当 Recall>= 0,0.1,0.2 -- 1共114点 & Precision最大值, 处后AP就是区114 Precision 平均值

最大值, 些后计算 PR 曲线下面矩件为AP值

对 Aeroplane类别, 网络有以下核性, (BB, ABG Bounding Box 序号, IOV >OL, GT=1对为TP 论意外核则现象GT电影, 第1的TP.

BB | confidence | GT 11 TP 了氨复统训,第件为TP, 其它为于P 10 FP 11 TP TP -5 FP -5 10FP FN=2 (階級里括例到54GT外、AMZ有24GT设施指例到)

被 Consider ce 版学 计学 PR

1. 1 272 GT 7- 16 (4 GT 13

precision=1.00 and recall=0.14 precision=1.00 and recall=0.29 precision=0.66 and recall=0.29 precision=0.50 and recall=0.29 precision=0.40 and recall=0.29 precision=0.50 and recall=0.43 precision=0.43 and recall=0.43 precision=0.38 and recall=0.43 precision=0.44 and recall=0.57 rank=10 precision=0.50 and recall=0.71

在in/3/88 没有统例到 FN=6 Atimism Rank= , TP=1 FP=0  $PVE = \frac{1}{1+0} = | Vecall = \frac{1}{1+6} = 0.16$ FN=5 Rank= 2, Tp= 2 Fp=0  $pve = \frac{2}{2+0} = 1$   $vecoll = \frac{2}{2+1} = 0.79$ FN=J Rank=3, TP=2 FP=1 pre = = = = 0.66  $|\text{vecal}| = \frac{2}{2t5} = 0.29$ FN=3 Rank=4, Tp=2 Fp=2 recoll = 2+x = 0.9 pre = = = 05

TP=Z FP=3 FN=T  $pre = \frac{2}{2t3} = 0.4$   $recall = \frac{2}{2t5} = 0.29$ 

Rank= 6 Tp= 3 Fp=3 FN=4 pre = 3 = 05 recall = 3 = 0.43

取完都Recorl 点, Telo 之可只取时运 新对上建PR值, VOC 2010及以后方法, Revall>= 0, 0.14,039. 0.43,057,071,1 bend precision at the: 1 1 0.5 0.5 0

知时, A exoplane 美剧 Ap:

(0,14-0) x + (0,29-0,14)x) + (0,43-0,29) x0.5 + (0,57-0,43) x0.5 + (0.71-0,57)x0.5 + 11-0.71)x0=0.5