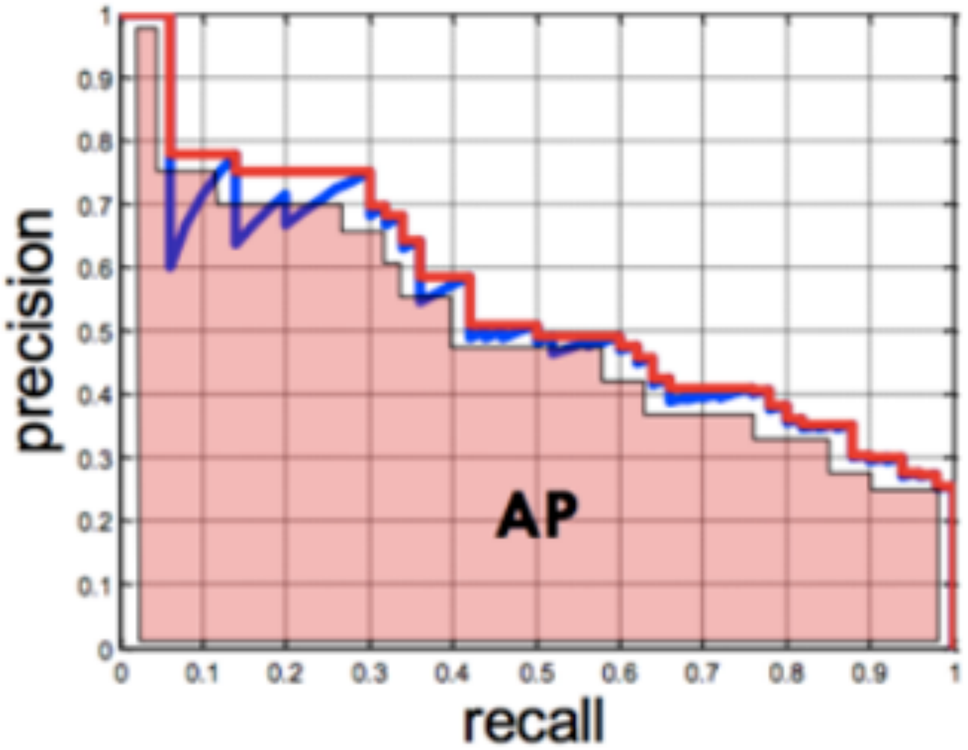
3. Why those datasets & their evaluation criterion? AP

- mAP or AP:

$$\mathrm{AP} = \frac{1}{10} \sum AP^{IoU}$$

$$IoU \in \{0.5, 0.55, 0.6, \ldots, 0.9, 0.95\}$$

$$\mathrm{AP}^{IoU} = \frac{1}{11} \sum_{r \in \{0, 0.1, \ldots, 1.0\}} p(r)$$



https://sites.google.com/site/hyunguk1986/personal-study/-ap-map-recall-precision

3. Why those datasets & their evaluation criterion? SBD & |DiC|

- Symmetric Best Dice & Difference in Count

$$BD(L^a, L^b) = \frac{1}{M} \sum_{i=1}^{M} \max_{1 \le j \le N} \frac{2\,|L_i^a \cap L_j^b|}{|L_i^a| + |L_j^b|}$$

$$SBD(L^{ar}, L^{gt}) = \min\{BD(L^{ar}, L^{gt}), BD(L^{gt}, L^{ar})\}$$

gt: Ground Truth
ar: Algorithm Result

$$|DiC| = |\#L^{ar} - \#L^{gt}|$$