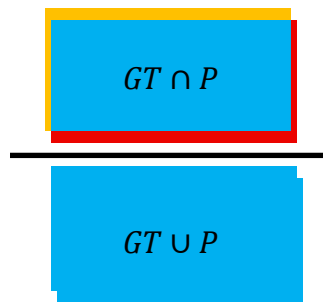Ground Truth Box & Mask
(GT − Box & GT − Mask)

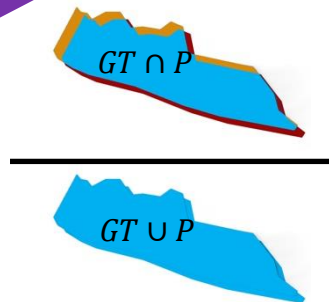Predicted Box & Mask
(P − Box & P − Mask)

$$IoU = \frac{area(GT \cap P)}{area(GT \cup P)}$$

$$\frac{GT \cap P}{GT \cup P}$$

Box IoU

$$\frac{GT \cap P}{GT \cup P}$$

Mask IoU