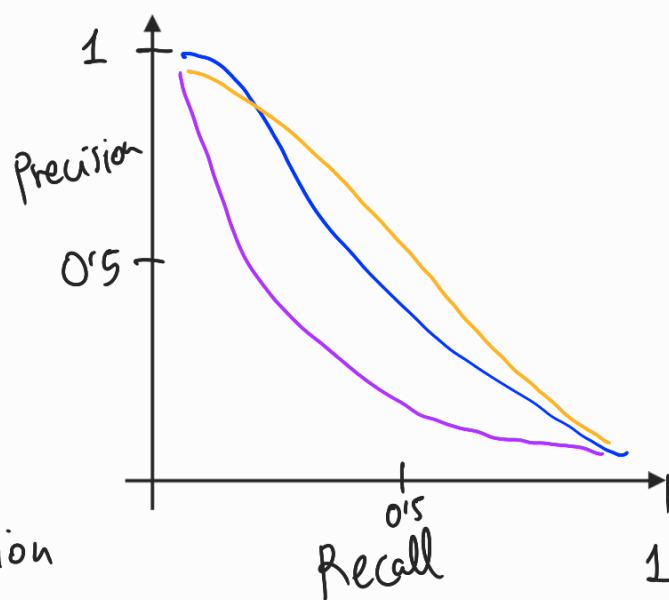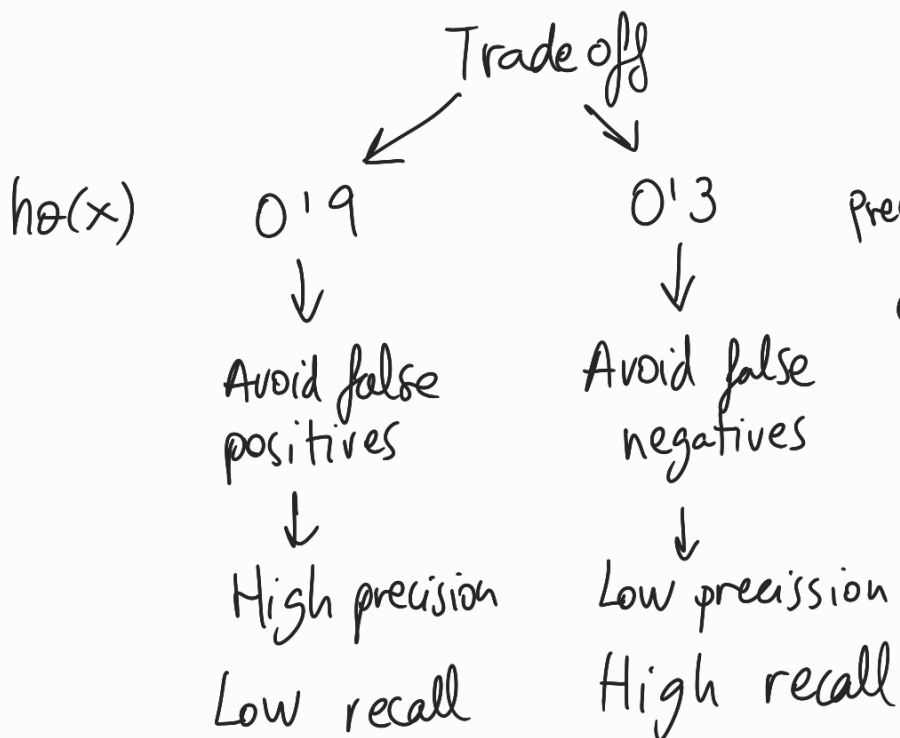Skewed = unbalanced

Precision: $\dfrac{\text{True . positive}}{\text{Predicted positive}} = \dfrac{\text{True positive}}{\text{True positive + False positive}}$

Recall: $\dfrac{\text{True positive}}{\text{True positive + False negative}}$

Trade off

$h_\theta(x)$ 0'9   0'3

↓   ↓

Avoid false   Avoid false
positives   negatives

↓   ↓

High precision   Low precission

Low recall   High recall

F_1 score $= 2\ \dfrac{\text{Precision} \cdot \text{Recall}}{\text{Precision} + \text{Recall}}$; Combines both, but to

maximize it, because of the numerator they have to be very close.