

	Actual Class	
	1	0
Predicted class	1 True positive	False positive
	False negative	True negative

$$\text{Precision (P)} = \frac{\text{True positive}}{\text{predicted positive}} = \frac{\text{True positive}}{\text{True positive} + \text{false positive}}$$

$$\text{Recall (R)} = \frac{\text{True positive}}{\text{True positive} + \text{false negative}}$$

$$\text{F}_1 \text{ score} = 2 \frac{PR}{P+R}$$