

Confusion Matrix

		Predicted →	
Actual →	Positive	TP True Positive ✓	FP False Positive ✗
	Negative	FN False Negative ✗	TN True Negative ✓

True Positive (TP)

Correctly predicted positive cases

False Positive (FP)

Incorrectly predicted as positive

Type I Error

False Negative (FN)

Incorrectly predicted as negative

Type II Error

True Negative (TN)

Correctly predicted negative cases



Foundation: All classification metrics derive from these four components