

		Predicted Positive	Predicted Negative
Actual Positive		True Positive (TP)	False Negative (FN)
Actual Negative		False Positive (FP)	True Negative (TN)

Metric	Formula	Meaning
Accuracy	$(TP + TN) / (TP + TN + FP + FN)$	How many predictions were correct overall.
Precision	$TP / (TP + FP)$	Out of predicted positives, how many were real positive?
Recall (Sensitivity, TPR)	$TP / (TP + FN)$	Out of actual positives, how many did we correctly predict?
F1 Score	$2 \times (Precision \times Recall) / (Precision + Recall)$	Harmonic average of precision and recall.
Specificity	$TN / (TN + FP)$	Out of actual negatives, how many did we predict correctly?

Topics for ML

Basic Machine Learning

1. Supervised ML Concepts
2. Unsupervised ML concepts
3. Overfitting, Bias, Validation, Metrics
4. Basic Data Handling skill

IQ and problem-solving