

# Evaluation Matrices for Classifier Models

## PREDICTIVE VALUES

POSITIVE (1)    NEGATIVE (0)

ACTUAL VALUES

POSITIVE (1)

**TP**

**FN**

NEGATIVE (0)

**FP**

**TN**

Confusion  
Matrix

# Calculating Accuracy

- $\text{Accuracy} = (\text{TP} + \text{TN}) / (\text{TP} + \text{TN} + \text{FP} + \text{FN})$

# Calculating Precision

- Precision =  $TP / (TP + FP)$

# Calculating Recall

- $\text{Recall} = \text{TP} / (\text{TP} + \text{FN})$

# Calculating F – Measure

- $F = (2 \times \text{Precision} \times \text{Recall}) / (\text{Precision} + \text{Recall})$
- Higher the F measure better the model