Confusion Matrix

From our confusion matrix, we can calculate five different metrics measuring the validity of our model.

1. Accuracy (all **correct**/ all) = TP + TN / TP + TN + FP + FN
2. Misclassification (all **incorrect** / all) = FP + FN / TP + TN + FP + FN
3. Precision (**true**positives /**predicted** positives) = TP / TP + FP
4. Sensitivity aka Recall (**true** positives / all **actual** positives) = TP / TP + FN
5. Specificity (**true** negatives / all **actual** negatives) =TN / TN + FP