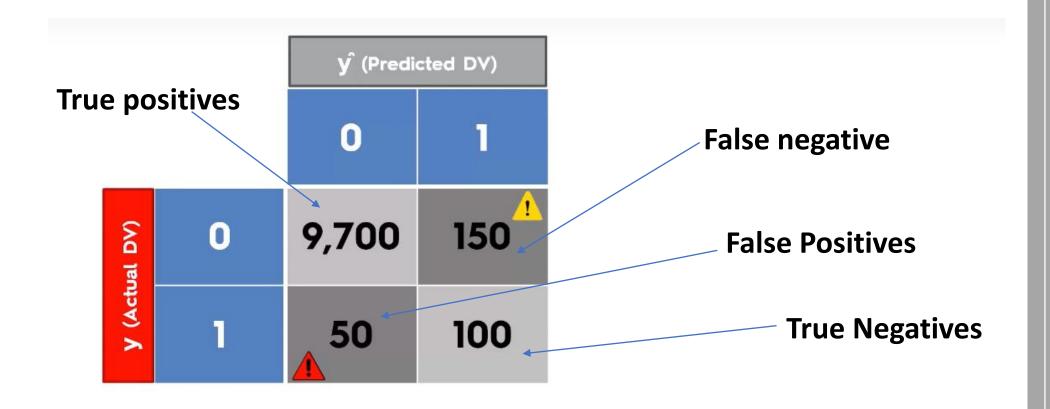
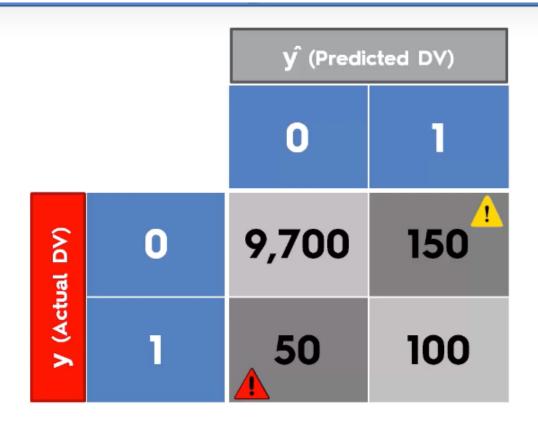


Confusion Matrix



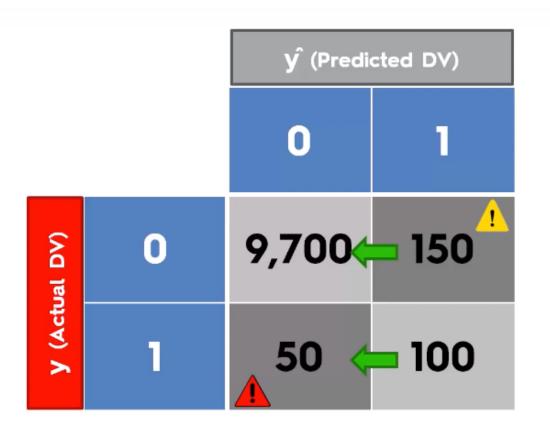


Scenario 1:

Accuracy Rate = Correct / Total AR = 9,800/10,000 = 98%

*This is a confusion matrix when we Are using a machine learning model.

We can calculate the accuracy and the error Rates using the TP, TN, FP and FN.

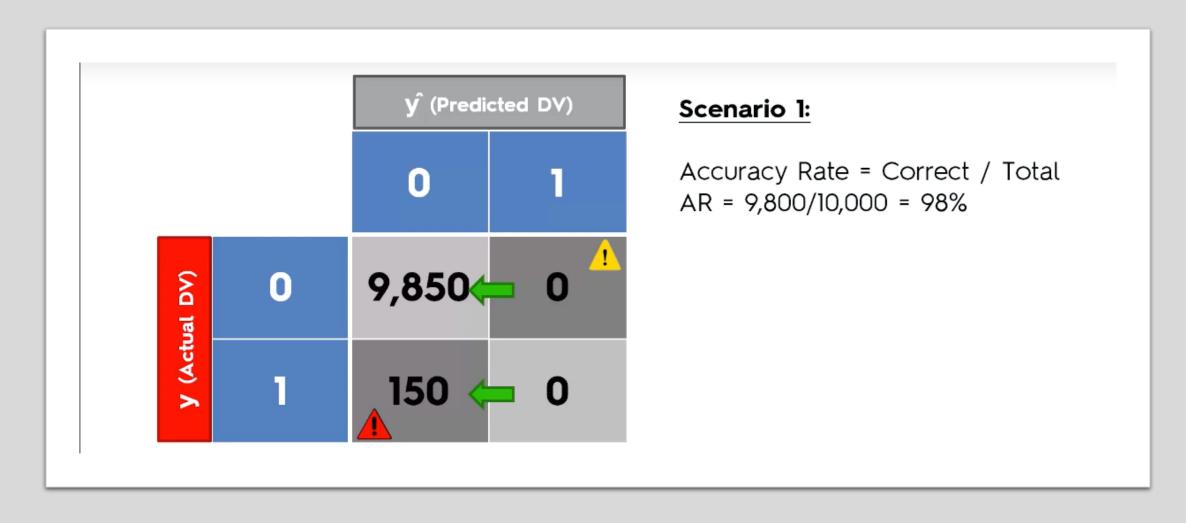


Scenario 1:

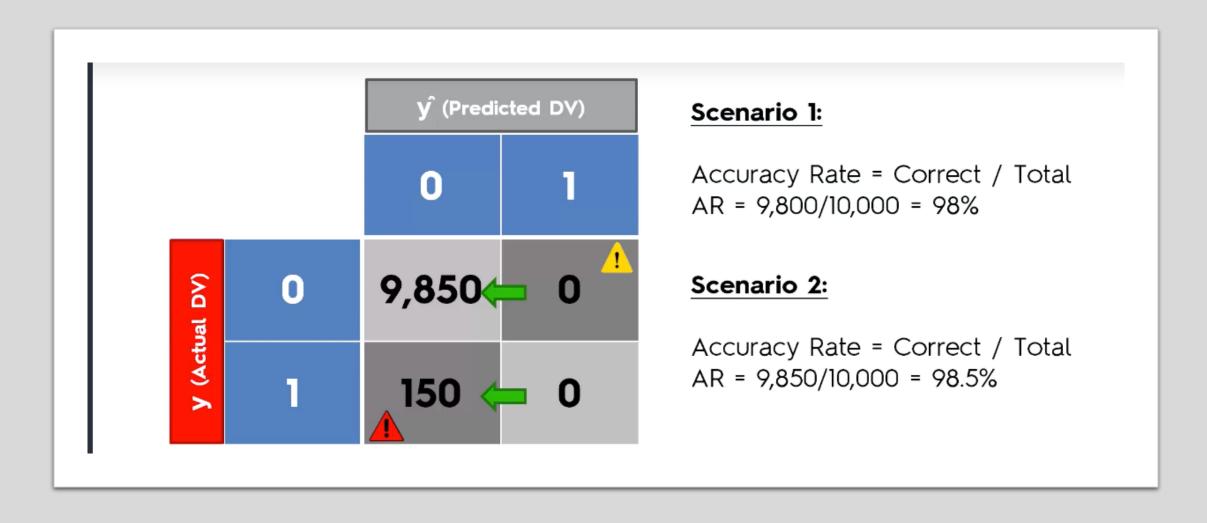
Accuracy Rate = Correct / Total AR = 9,800/10,000 = 98%

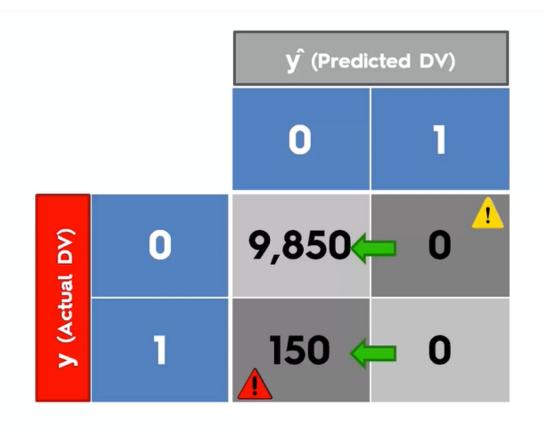
*Let's assume we decide to not use a model And hence we would predict everything as a 0

The new confusion matrix would look like this -



The accuracy of scenario 1 is less than the accuracy of scenario 2, Whereas scenario 2 did not even use a model.





Scenario 1:

Accuracy Rate = Correct / Total AR = 9,800/10,000 = 98%

Scenario 2:

Accuracy Rate = Correct / Total AR = 9,850/10,000 = 98.5%