

Confusion Matrix

	\hat{y} (Predicted)	
	0	1
y (Actual)	0	85
	1	15
	40	150

Type II Error

Accurate

(Type I Error)

1. Accuracy rate = $\frac{\text{Correct}}{\text{Total}}$

AR = $\frac{85}{100}$

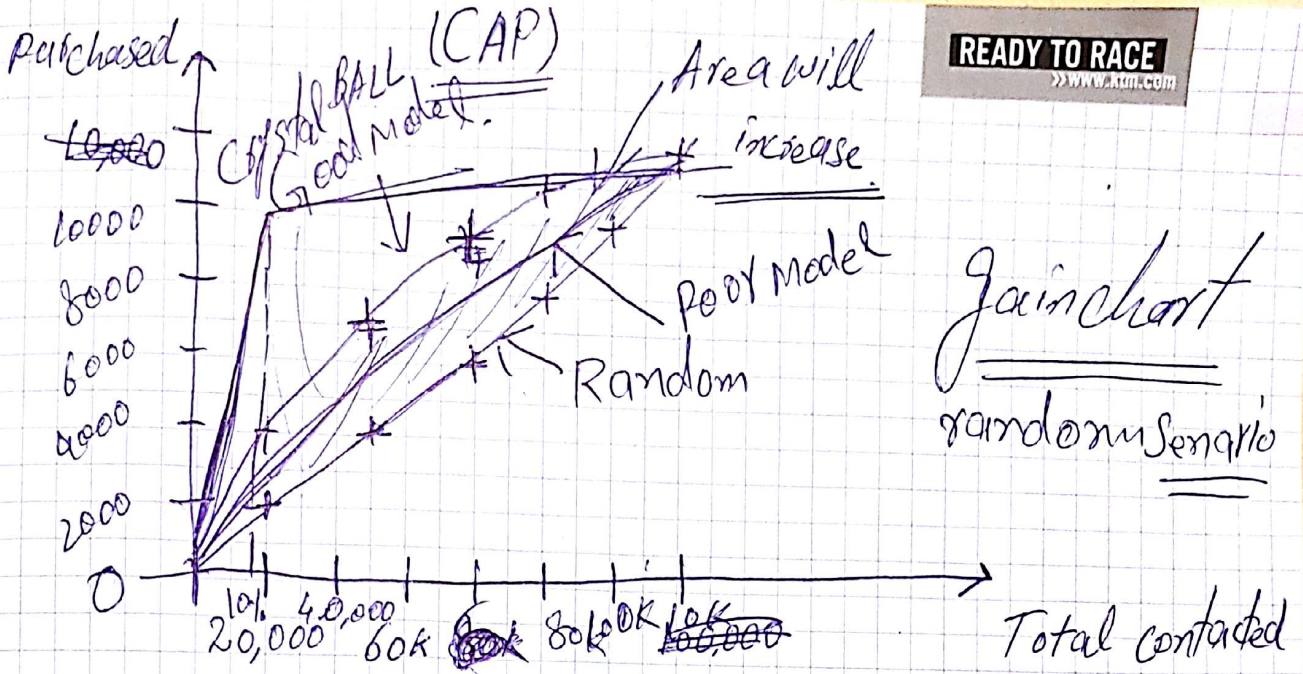
2. Error Rate = $\frac{\text{Wrong}}{\text{Total}}$

ER = $\frac{15}{100} = 15\%$

Accuracy Paradox:

	\hat{y}
	0 1
y (Actual)	0
	1

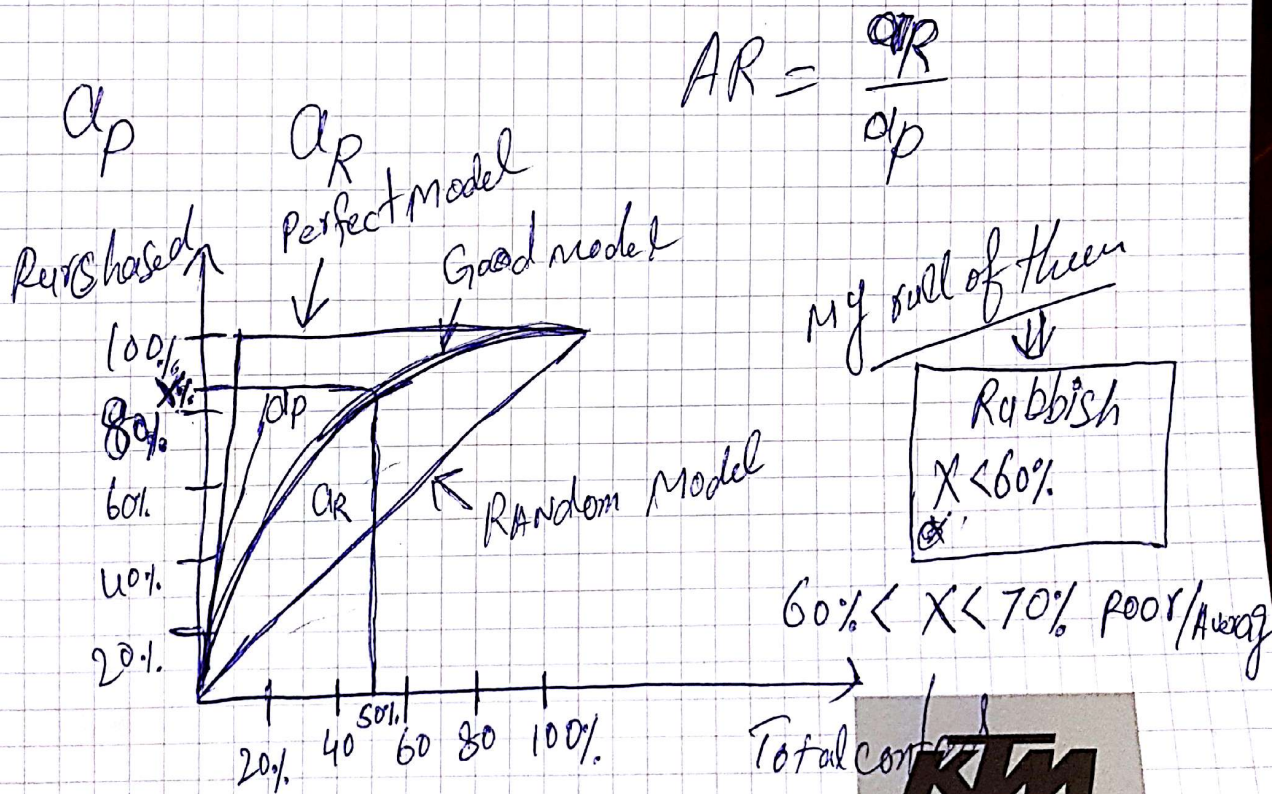
CAP Curve



CAP = Cumulative Accuracy Profile

ROC = Receiver Operating Characteristic

CAP CURVE ANALYSIS



Overfit or Forward looking

PARAMETERS

Too Good

70% < X < 90% Good

90% < X < 100%