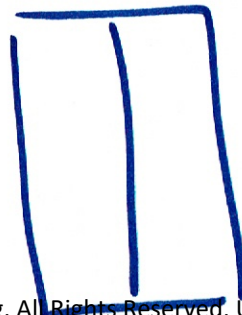


- Confusion Matrix ←
- ROC Curves, Gini Coefficient ←
- Gain and Lift Chart ←
- Kolomogorov-Smirnov (K-S) chart ←
- Concordance-Discordance ratio ←
- Root Mean Square Error, Mean Absolute Error ←



P	A	
1	1	→ TP
0	0	→ TN
1	0	→ FP
0	1	→ FN

- $$\frac{F_P + F_N}{T_P + F_P + F_N + T_N}$$

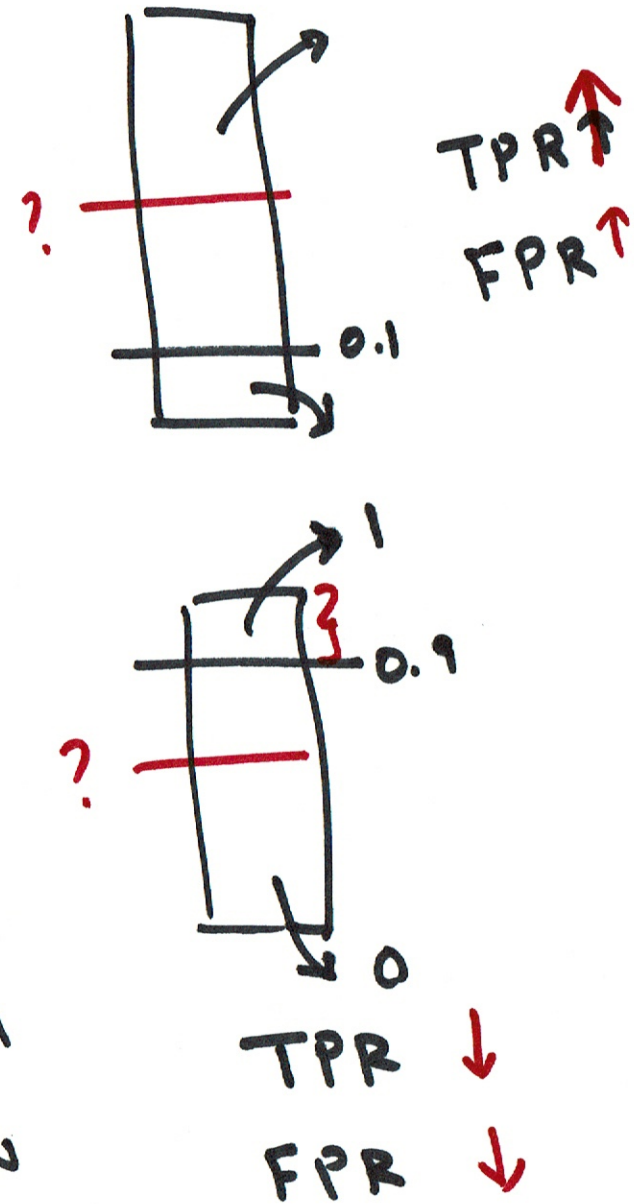
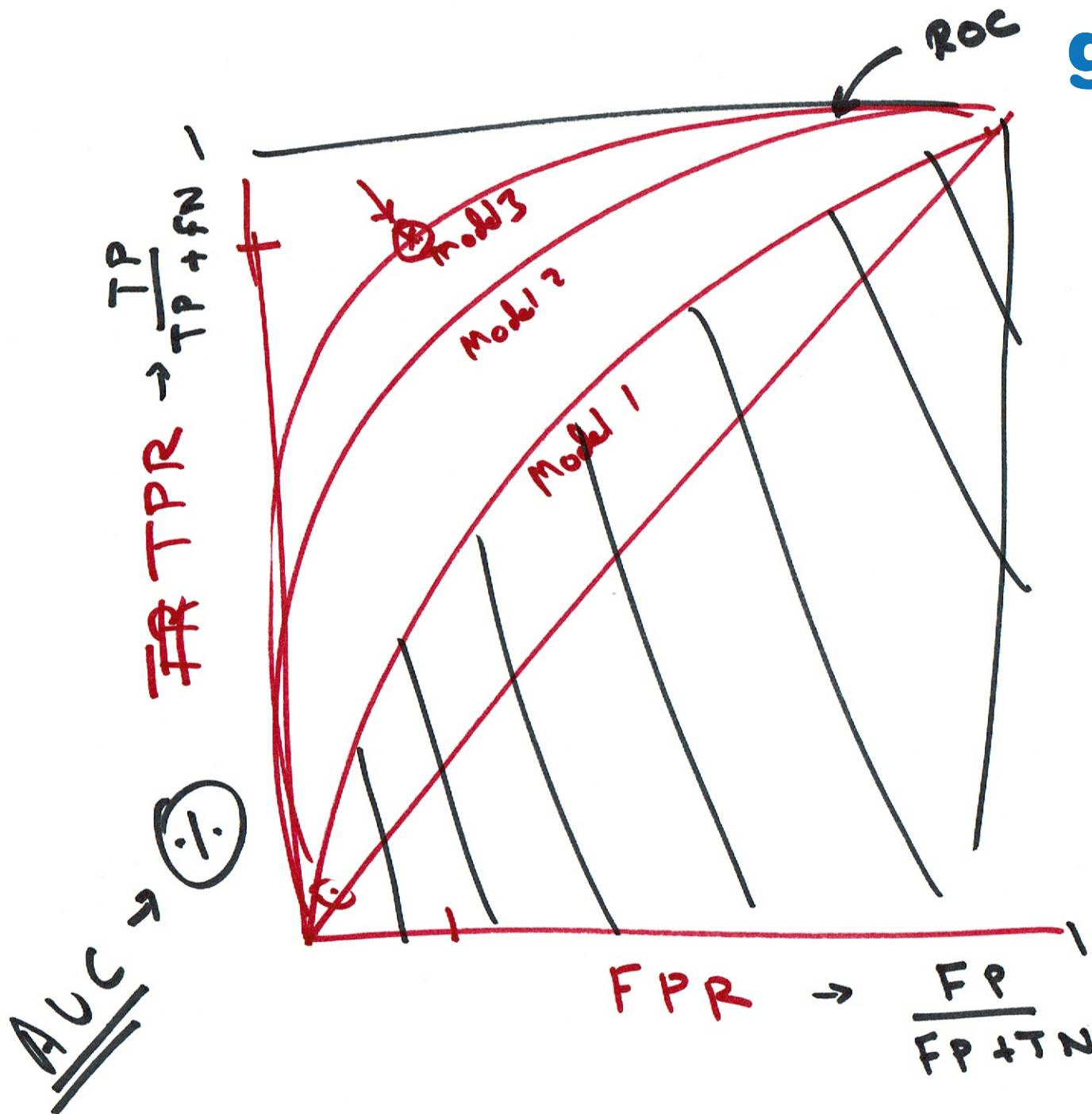


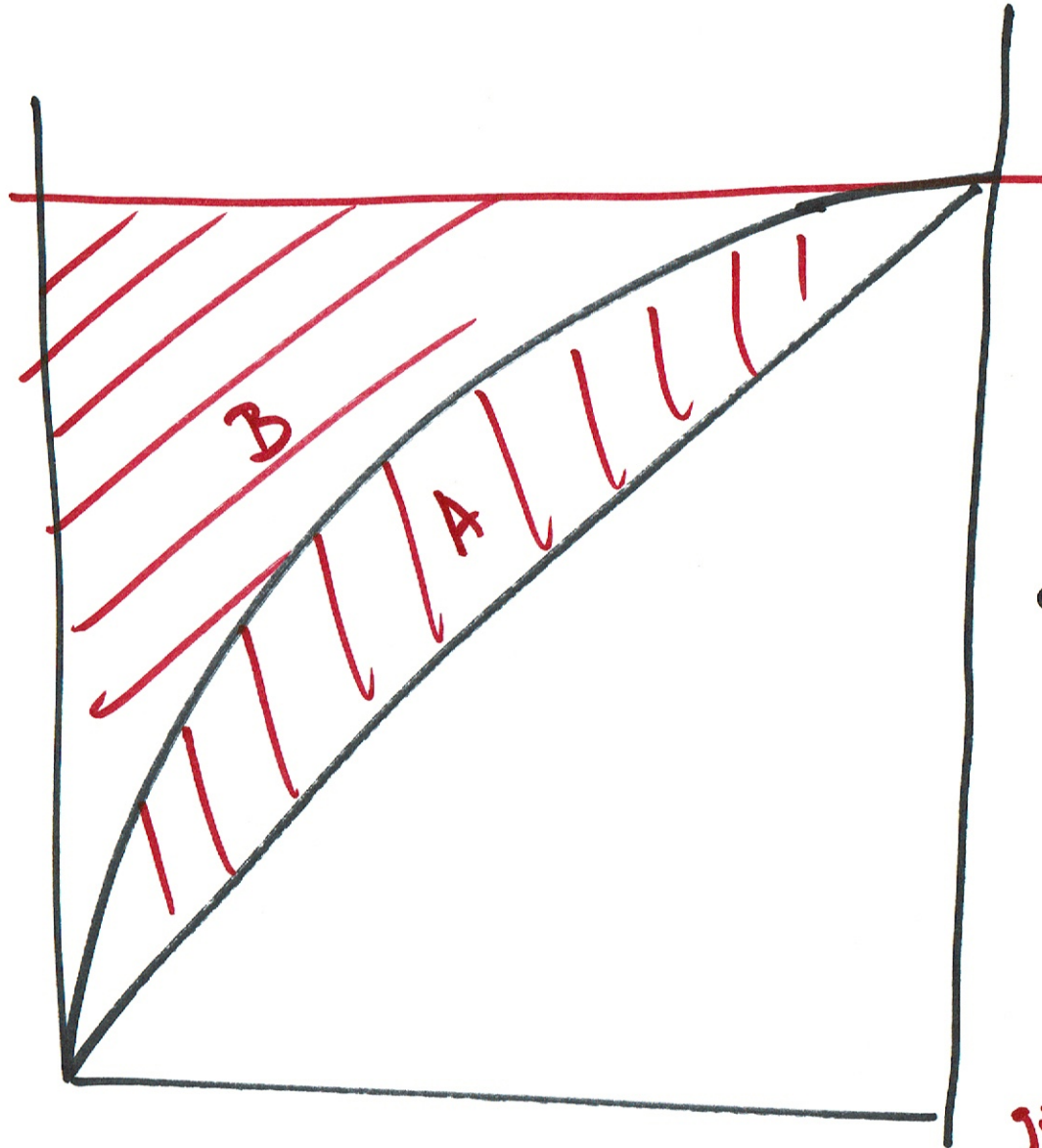
- $$\frac{TP}{TP + FN}$$

$$\frac{TN}{TN + FP}$$

The diagram shows a handwritten table representing a neural network layer. The first column is labeled 'P' (Inputs) and the second column is labeled 'A' (Weights). The table has 5 rows and 4 columns. The first column contains decimal values: 0.9, 0.51, 0.3, 0.8, and 0.3. The second column contains binary values: 1, 0, 1, 1, and 0. The third and fourth columns also contain binary values: 1, 1, 0, 1, 0 and 1, 0, 0, 1, 0 respectively. To the left of the first column, four arrows point to the first four rows. Above the table, a circled 'P' is connected by a curved arrow to a circled '0.3' (with a small '1' below it), which is then connected by another curved arrow to '0.75' (with a small '4' below it). Below the table, three curved arrows point from the bottom of the second, third, and fourth columns to a single point.

	P	A		
→	0.9	1	1	1
→	0.51	0	1	0
→	0.3	1	0	0
→	0.8	1	1	1
	0.3	0	0	0





~~AC~~

AUC

$$\text{gini coeff} = \frac{A}{A+B}$$

$$A = \text{AUC} - 0.5$$

$$A+B = 0.5$$

$$\text{gini coeff} = \frac{\text{AUC} - 0.5}{0.5}$$

$$\boxed{Gini = 2\text{AUC} - 1}$$

