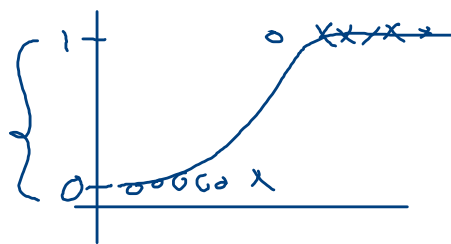
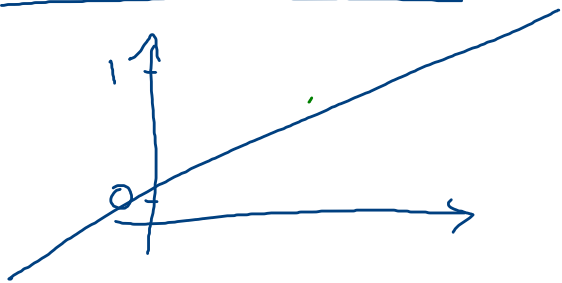
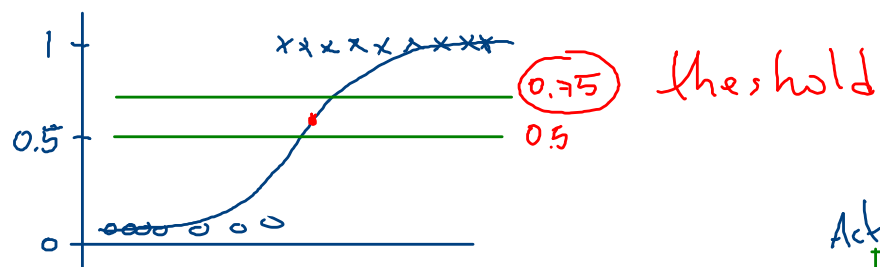


Regresión Logística



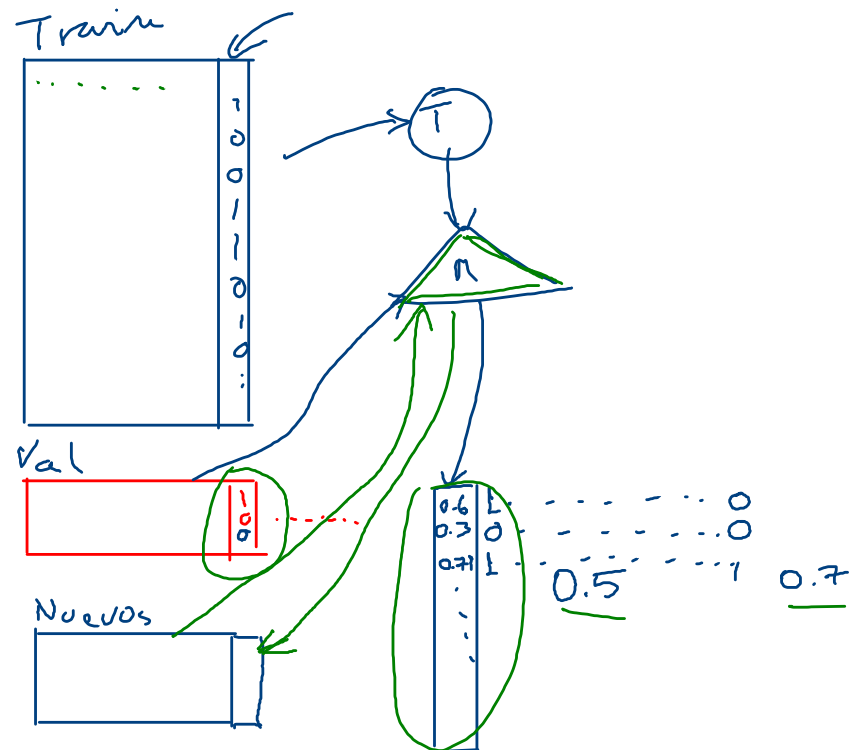
función
logística



	Predicho		
	1	0	
Actual	1	3	4
	0	2	9

0.4

Actual		Predicted
1	—	0
0	—	1
1	—	1
1	—	0
0	—	0
1		1
0		1
1		0
0		0



$$\log\left(\frac{p(x)}{1-p(x)}\right) = \beta_0 + \beta_1 x$$

$$\frac{p(x)}{1-p(x)} = e^{\beta_0 + \beta_1 x}$$

$$p(x) = (1-p(x)) e^{\beta_0 + \beta_1 x}$$

$$p(x) = e^{\beta_0 + \beta_1 x} - p(x) e^{\beta_0 + \beta_1 x}$$

$$p(x) + p(x) e^{\beta_0 + \beta_1 x} = e^{\beta_0 + \beta_1 x}$$

$$p(x) (1 + e^{\beta_0 + \beta_1 x}) = e^{\beta_0 + \beta_1 x}$$

$$p(x) = \frac{e^{\beta_0 + \beta_1 x}}{1 + e^{\beta_0 + \beta_1 x}}$$

