

3agare 42

Model 11
382003-2

i	$y^{(i)}$	$q(u^{(i)})$
1	1	0.82
2	0	0.75
3	1	0.66
4	1	0.5
5	0	0.23
6	0	0.15
7	0	0.11
8	1	0.1
9	0	0.09

$$FPR = \frac{FP}{FP+TN} = \frac{1}{5}$$

$$FNR = \frac{FN}{FN+TP} = \frac{1}{4}$$

$$TNR = \frac{TN}{FP+TN} = \frac{4}{5}$$

$$TPR = \frac{TP}{TP+FN} = \frac{3}{4}$$

$$\text{Accuracy} = \frac{TP+TN}{TP+TN+FP+FN} = \frac{4}{9}$$

$$\text{error} = \frac{FP+FN}{TP+TN+FP+FN} = \frac{2}{9}$$

$$AUC = 0.7$$

$$F1 = \frac{2 \cdot \text{recall} \cdot \text{precision}}{\text{recall} + \text{precision}} = 2 \cdot \frac{\frac{3}{4} \cdot \frac{3}{4}}{\frac{6}{4}} = \frac{3}{4}$$

