PadhAI: MP Neuron & Perceptron

One Fourth Labs

MP Neuron Evaluation

1. Training Data

	phone 1	phone 2	phone 3	phone 4	phone 5	phone 6	phone 7	phone 8	phone 9	phone 10
Launch (within 6 months) x_1	0	1	1	0	0	1	0	1	1	0
Weight (<160g) x_2	1	0	1	0	0	0	1	0	0	1
Screen Size (< 5.9in) x_3	1	0	1	0	1	0	1	0	1	0
Dual sim x_4	1	1	0	0	0	1	0	1	0	0
Internal mem(>= 64gb, 4gb ram) x_5	1	1	1	1	1	1	1	1	1	0
NFC x_6	0	1	1	0	1	0	1	1	1	0
Radio x_7	1	0	0	1	1	1	0	0	0	0
Battery (>= 3500mAh) x_8	0	0	0	1	0	1	0	1	0	0
Price? (> 20k) x_9	0	1	1	0	0	0	1	1	1	0
Liked (y)	1	1	1	0	0	1	1	1	0	0
Prediction $\hat{y}$	1	1	0	1	1	1	1	0	0	0

2. Test Data

	phone11	phone12	phone13	phone14
Launch (within 6 months) x_1	1	0	0	1
Weight (<160g) x_2	0	1	1	1
Screen Size (< 5.9in) x_3	0	1	1	1
Dual sim x_4	0	1	0	0
Internal mem(>= 64gb, 4gb ram) x_5	1	0	0	0
NFC x_6	0	0	1	0
Radio x_7	1	1	1	0
Battery (>= 3500mAh) x_8	1	1	1	0
Price? (> 20k) x_9	0	0	1	0
Liked (y)	0	1	0	0
Prediction $\hat{y}$	0	1	1	0

3. Accuracy = No. of correct predictions/ Total No. of predictions (¾ = 75% in test set)