

1. Run the perceptron algorithm on the following training data in the order it is provided.

sample	x_1	x_2	label
s_1	-1	-1	-1
s_2	-1	1	1
s_3	1	-1	1
s_4	1	1	1

Table 1: Training data.

$$w = w + yx$$

$$b = b + y$$