

x_1

x_2

x_3



A diagram of a single-layer perceptron model. On the left, three input labels x_1 , x_2 , and x_3 are arranged vertically. Arrows from each label point towards a central light blue circle. Inside the circle is the mathematical expression $\sigma(\sum_i w_i x_i + b)$. An arrow points from the right side of the circle to the right, representing the output.

$$\sigma(\sum_i w_i x_i + b)$$