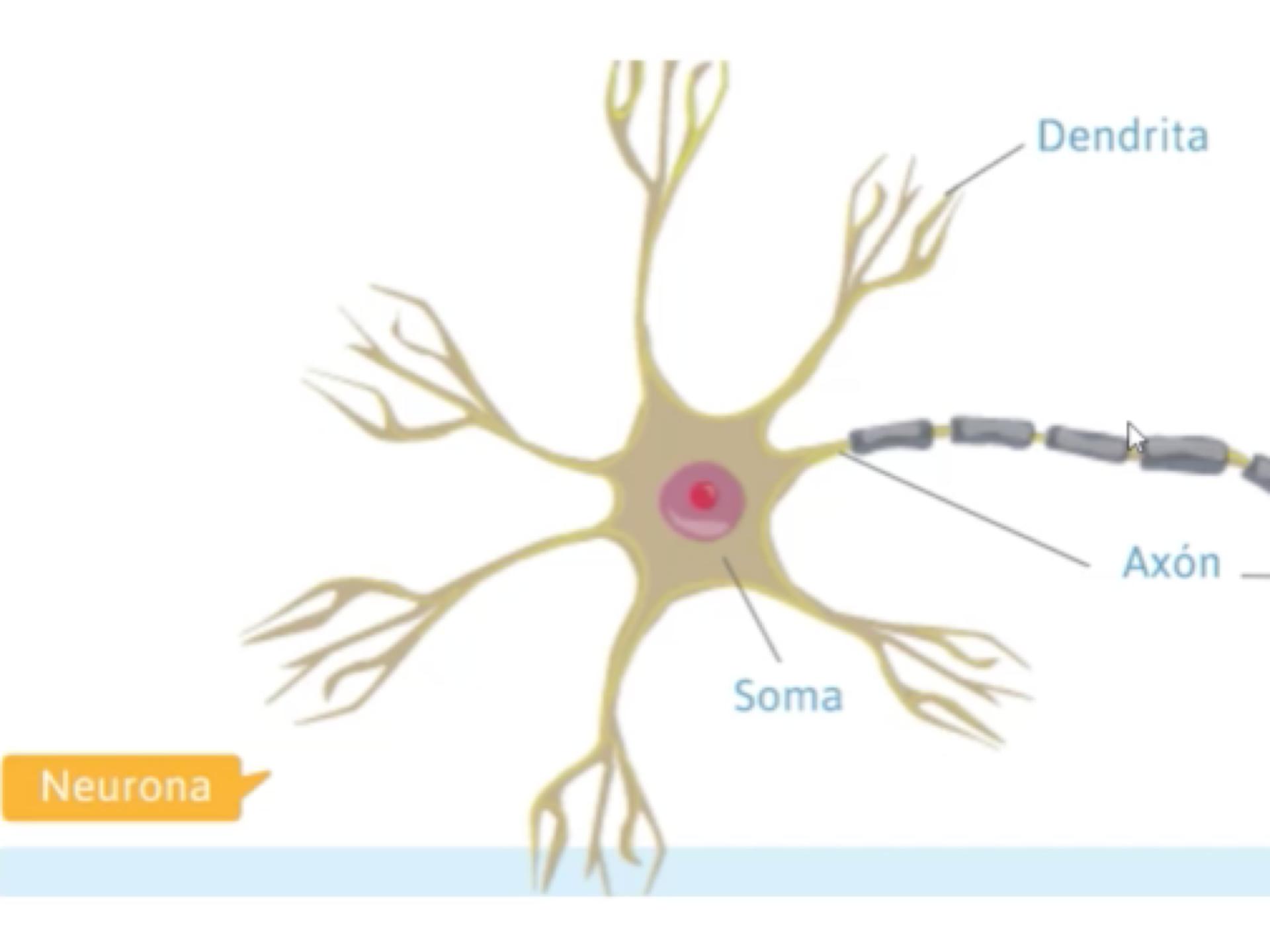
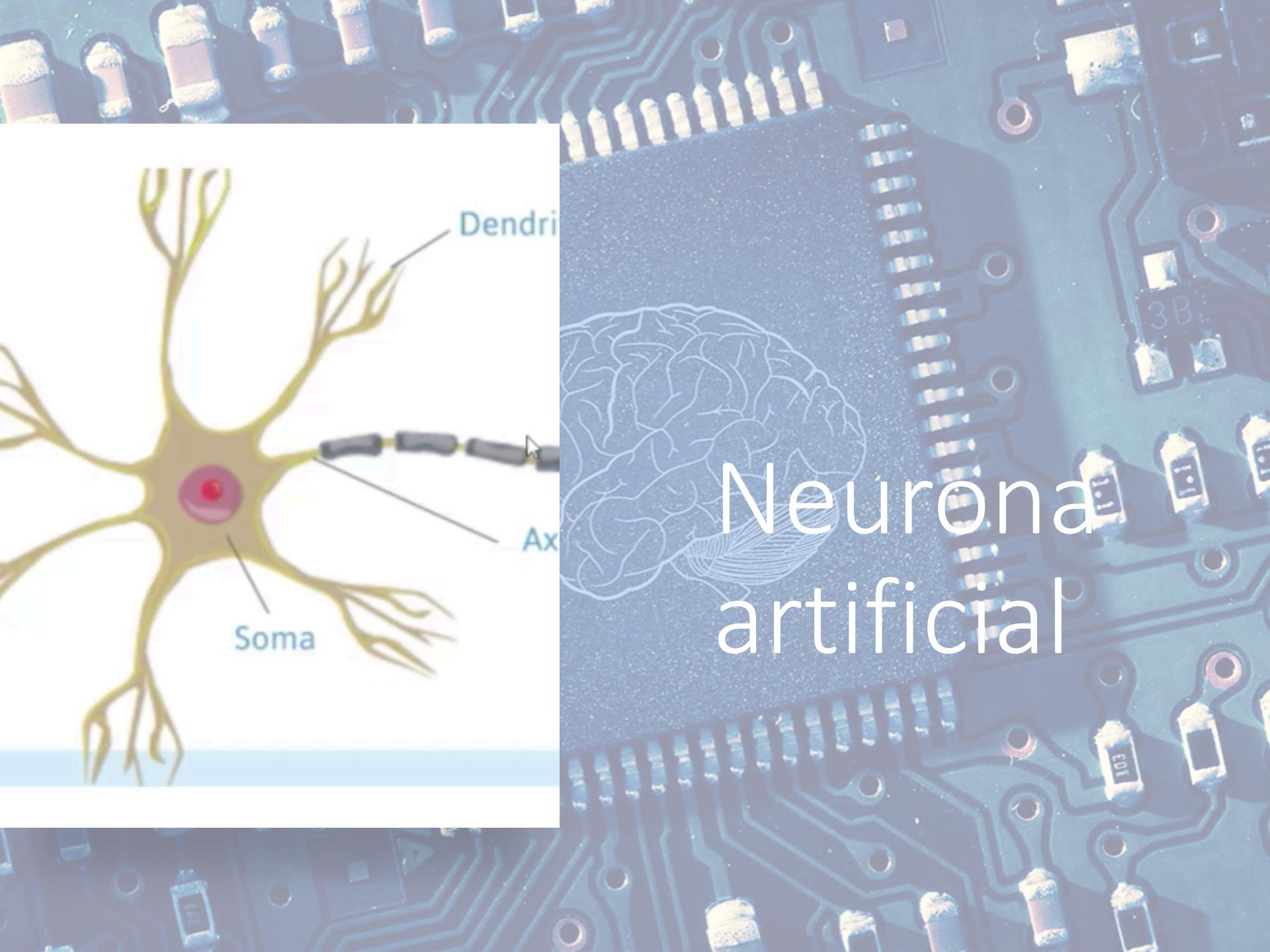


REDES NEURONALES

Minería de datos

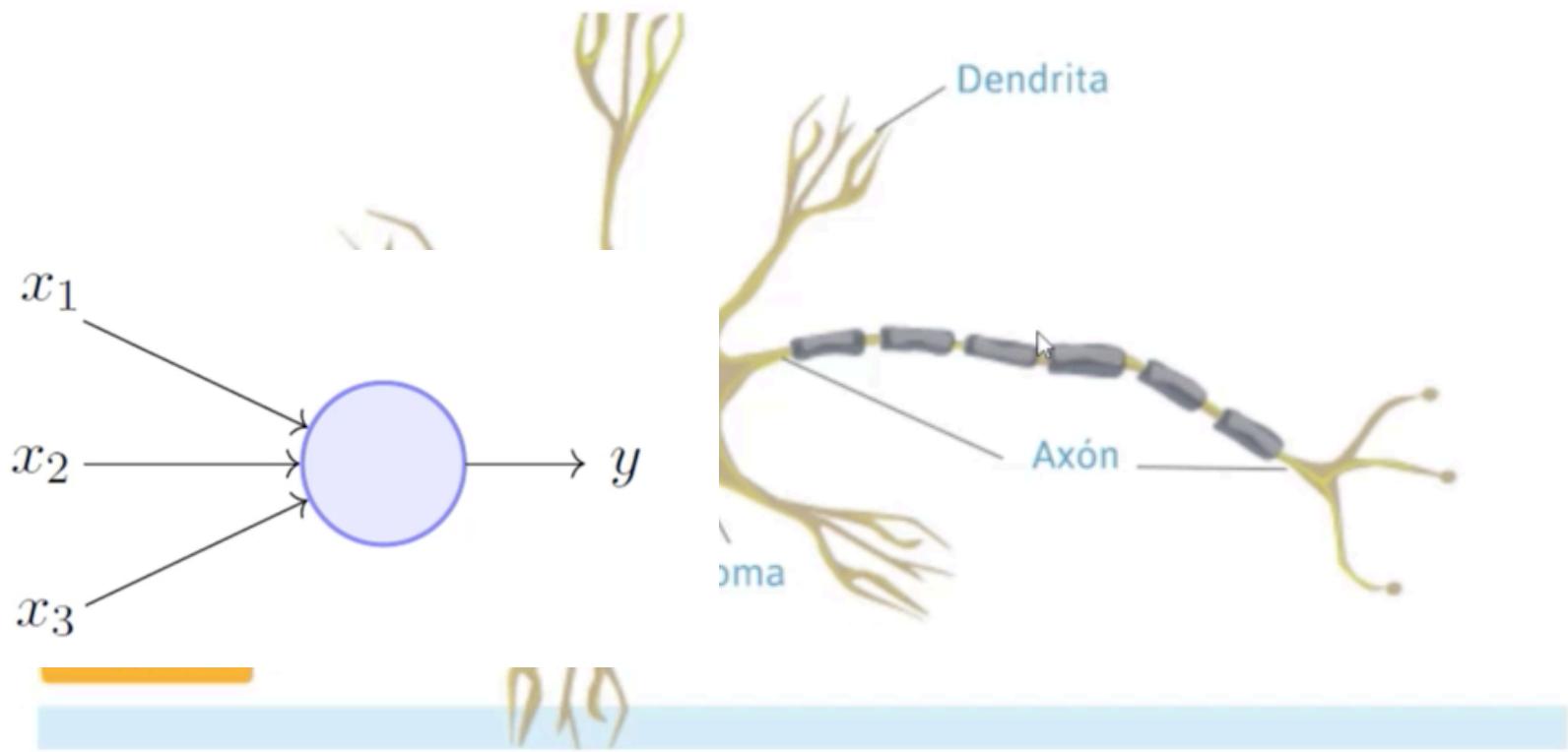




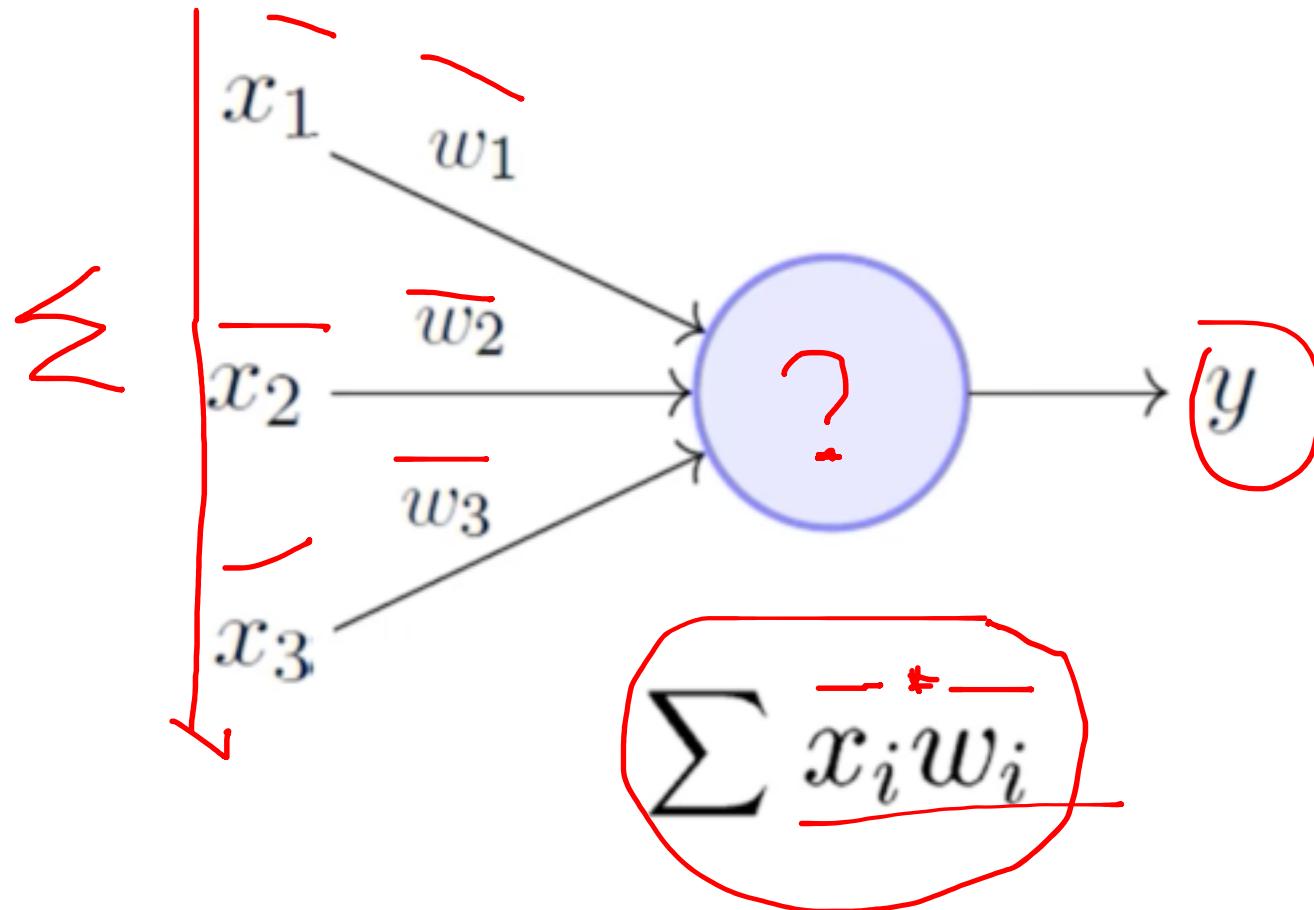
Neurona
artificial

Aprendizaje supervisado

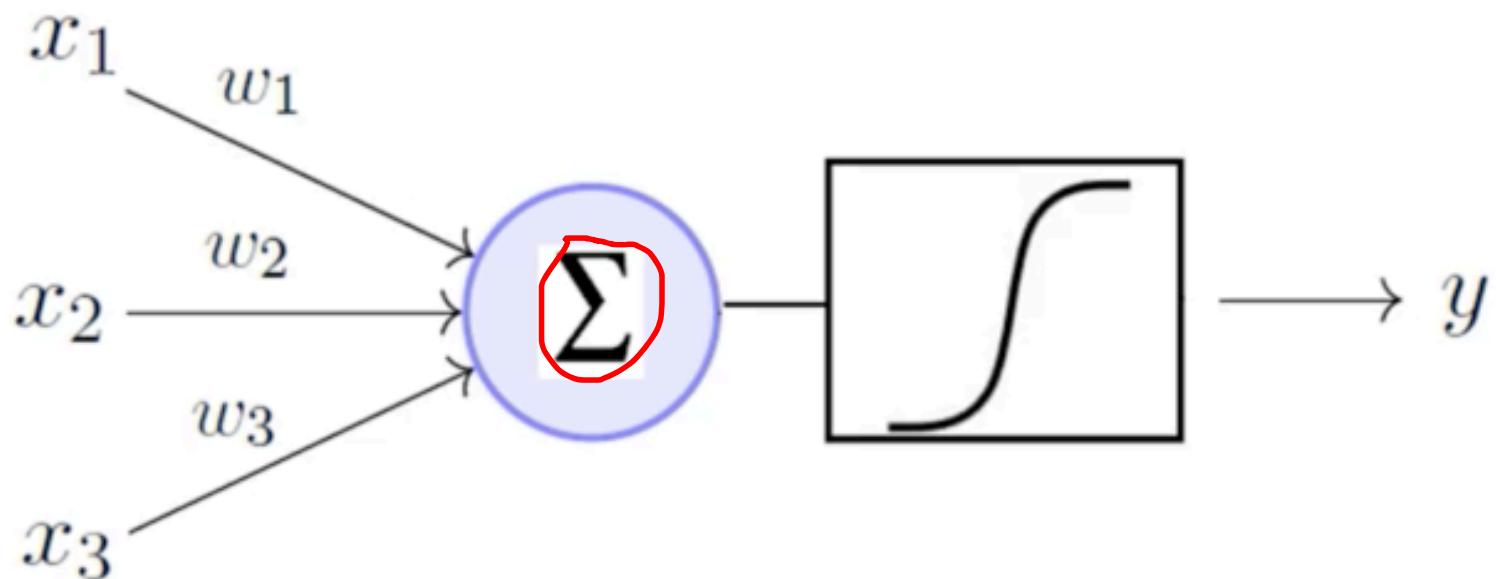
Similitud



Pesos



Funciona de activación



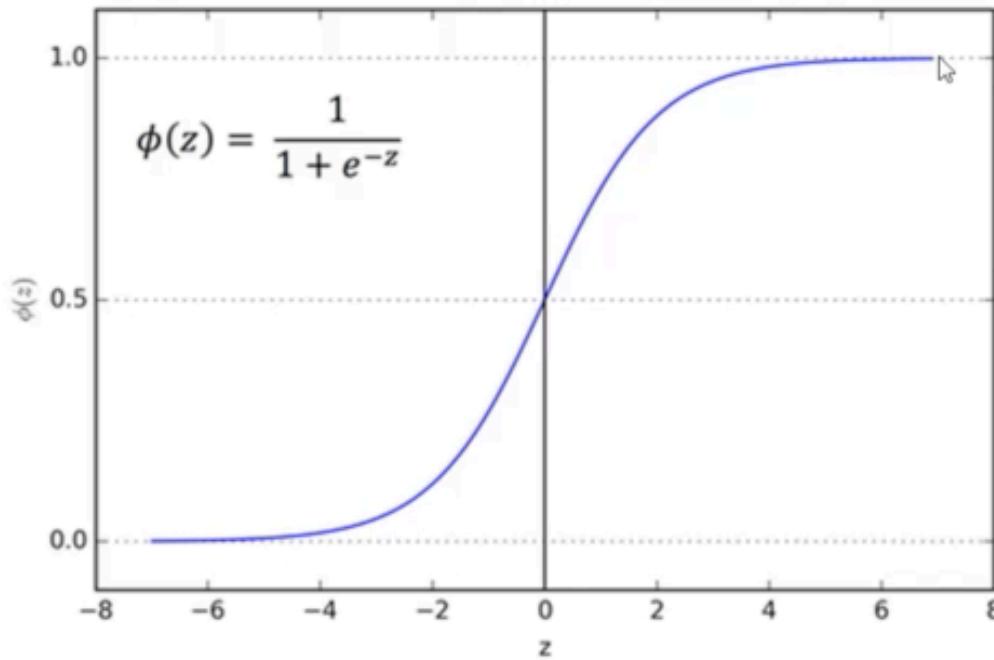
$$\sum x_i w_i$$

Euler

- $e = 2.718281\dots$



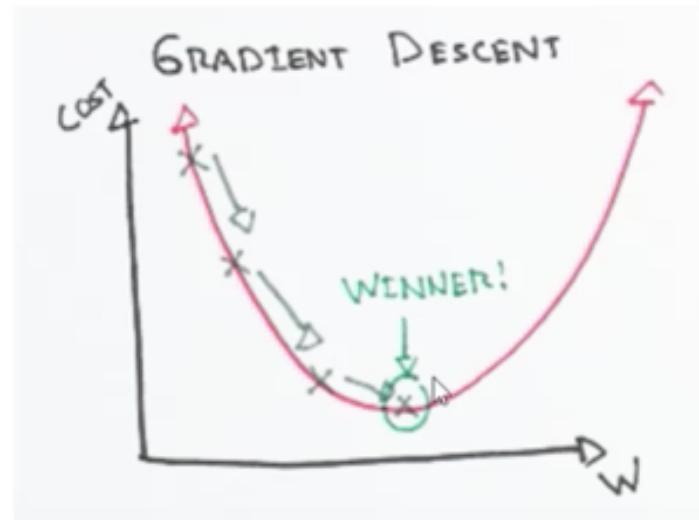
Sigmoide



$$FA = \frac{1}{1 + e^{-\sum xiwi}}$$

Función de costo o error

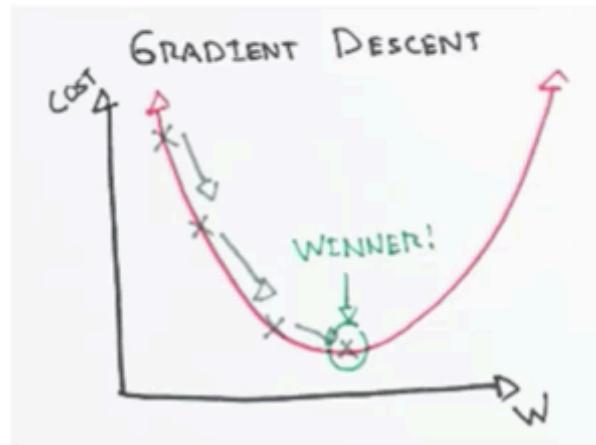
$$\sum \frac{1}{2} (\text{Salida} - \text{FA})^2$$



Ajuste de pesos

$$\text{Gradiente} = y^*(1-y)$$

- Encontrar el mínimo de una función



$$\text{Ajuste de pesos} = \text{Entrada} * \text{Error} * \text{Gradiente}$$

Épocas - Iteraciones

