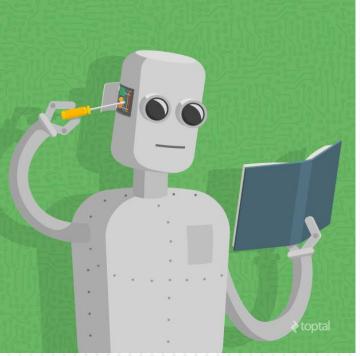


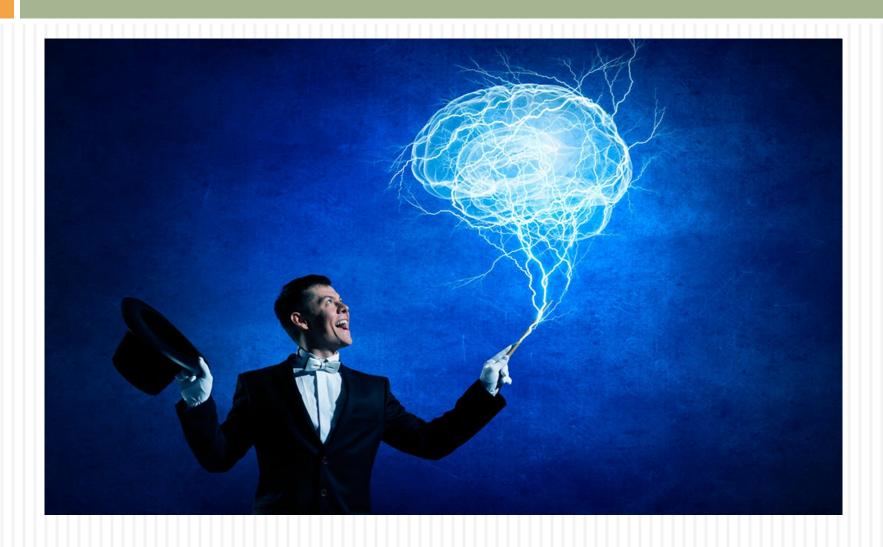
Luis Orellana Altamirano

¿Qué es?

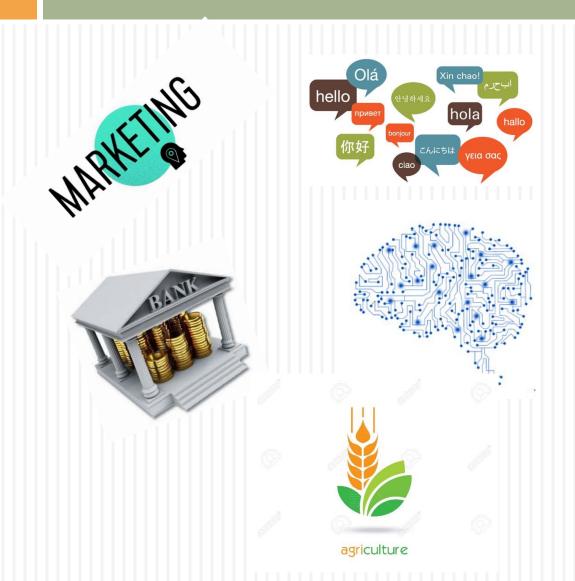




\$Magia?

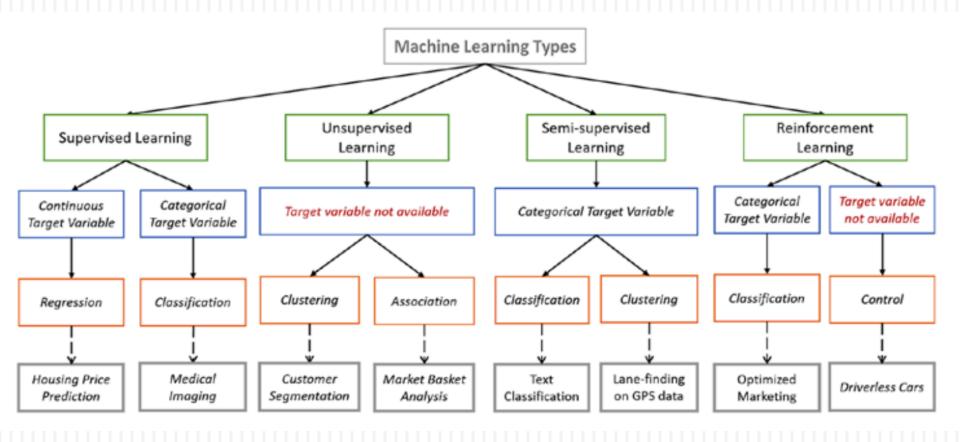


Aplicabilidad

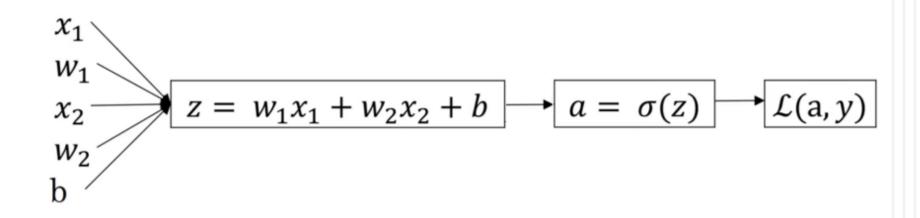




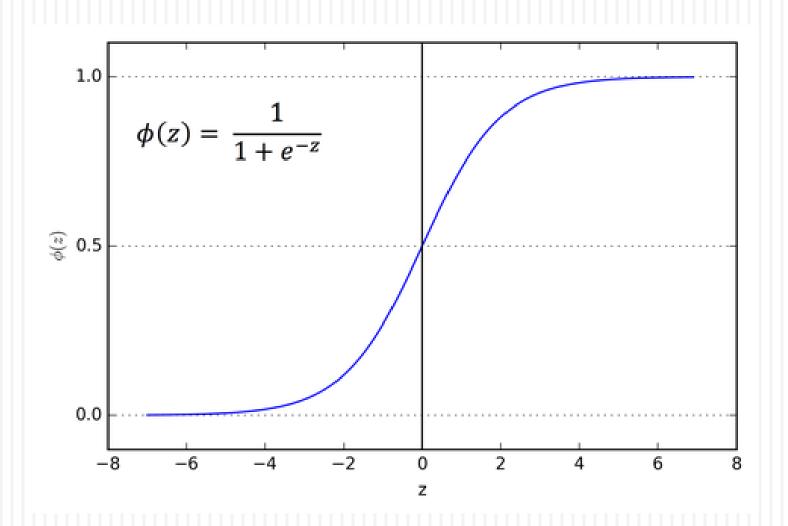
Modelos



Regresión Logística

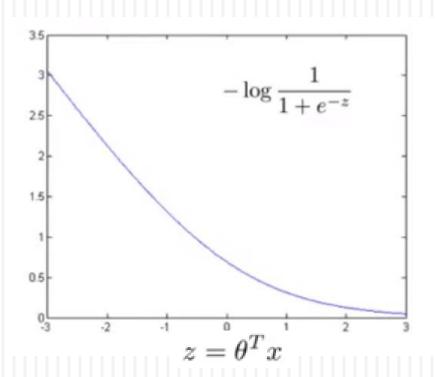


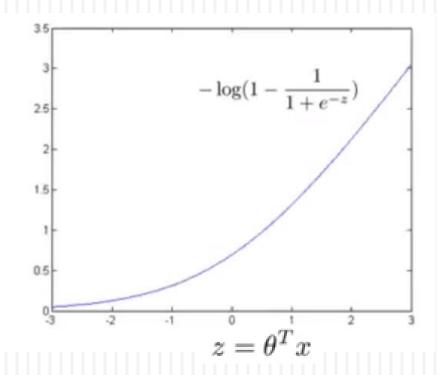
Probabilidad



Funcion de Costo (Error)

$$Cost(h_{\theta}(x), y) = -y \log \frac{1}{1 + e^{-\theta^T x}} - (1 - y) \log(1 - \frac{1}{1 + e^{-\theta^T x}})$$



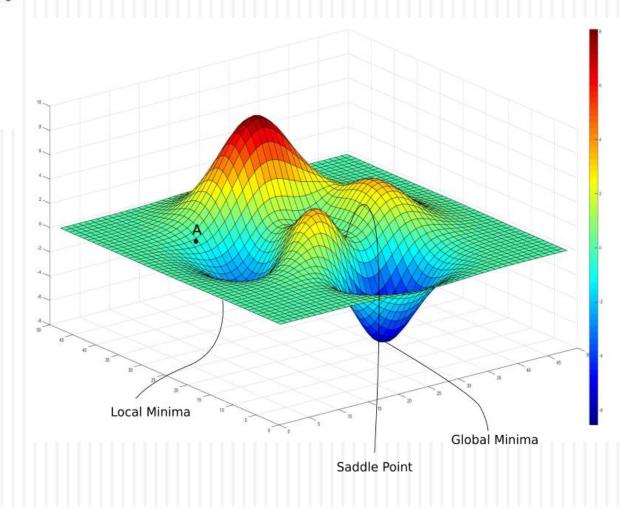


Gradiente Descendente

Repeat until convergence {

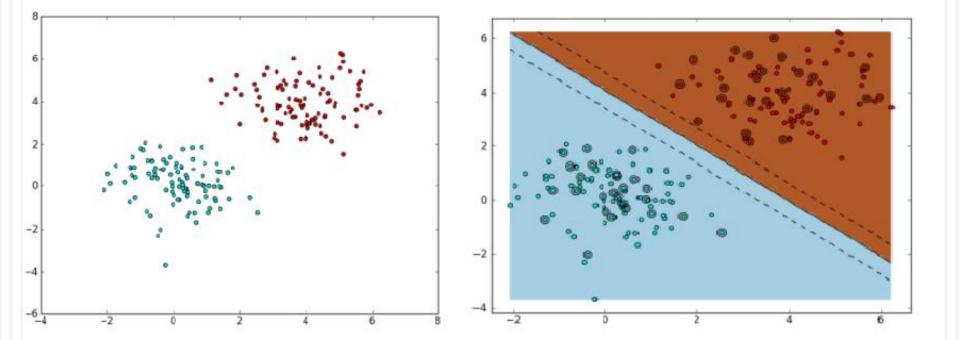
$$\theta_j \leftarrow \theta_j - \alpha \frac{\partial}{\partial \theta_j} J(\theta)$$

}

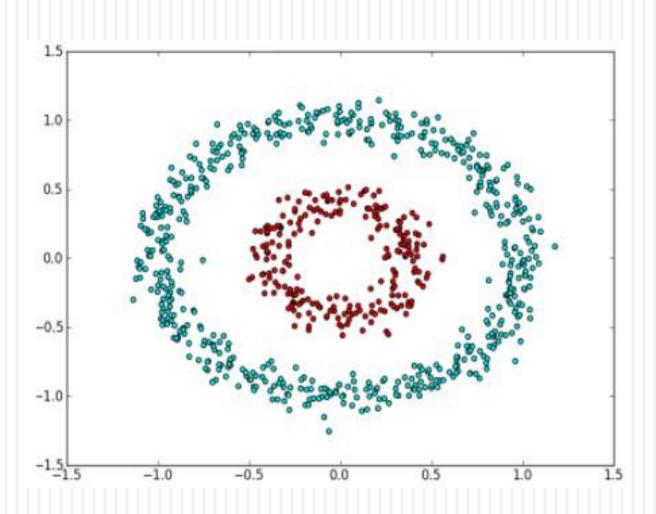


Separación de Clases



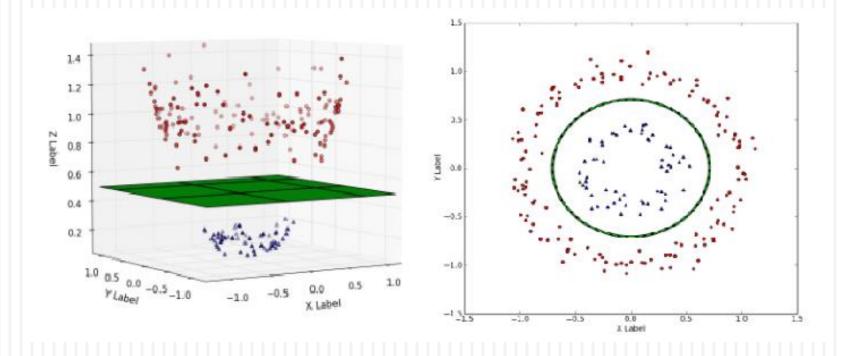


Onessis



Espacio de Hilbert

$$T([x_1, x_2]) = [x_1, x_2, x_1^2 + x_2^2]$$



¿Para que Sirve?

Predecir con antelación si un cliente que solicita un préstamo a un banco va a ser un cliente moroso.

> Predecir si una empresa va a entrar en bancarrota.

Predecir de antemano que un paciente corra riesgo de un infarto.

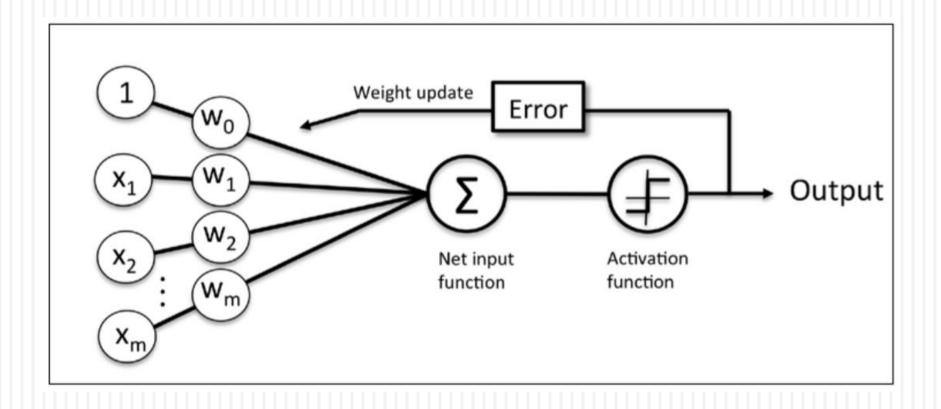
Hands On



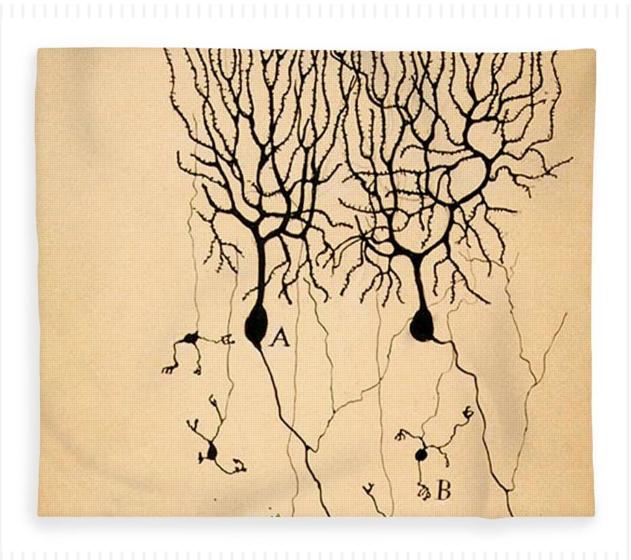




Recuento



Neurona Biológica



Deep Learning

