

# Redes Neurais



INFORMAÇÃO,  
TECNOLOGIA  
& INOVAÇÃO

● **neural networks**  
Search term



● **deep learning**  
Search term

+ Add comparison

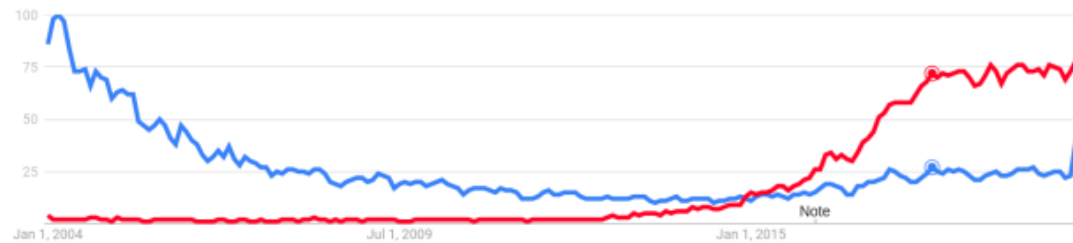
Worldwide ▾

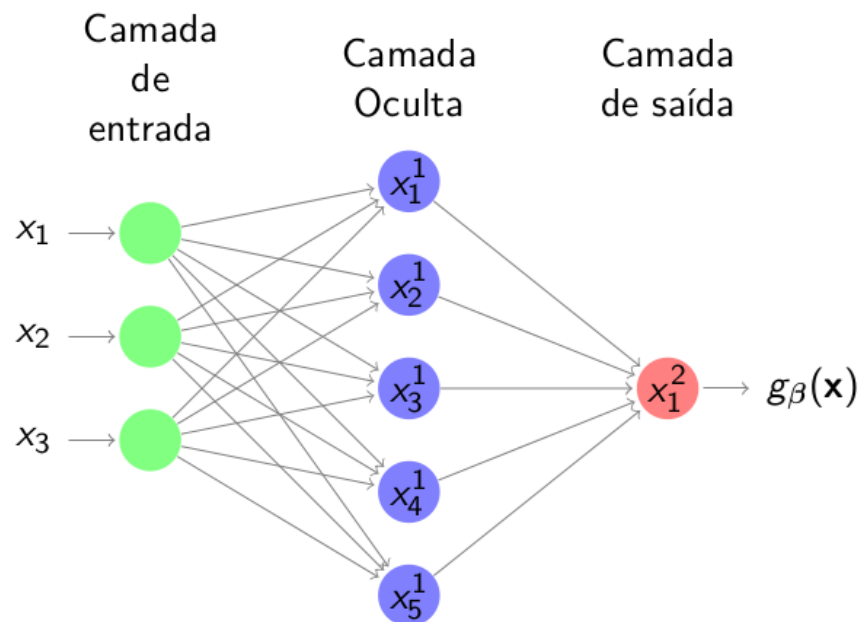
2004 - present ▾

All categories ▾

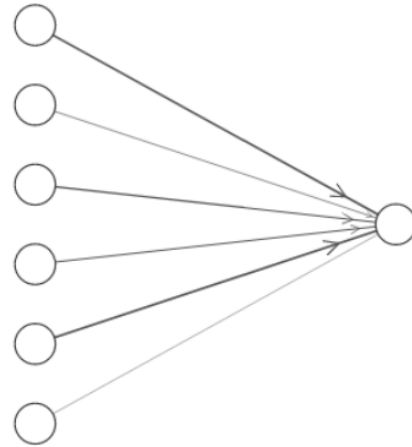
Web Search ▾

Interest over time ?





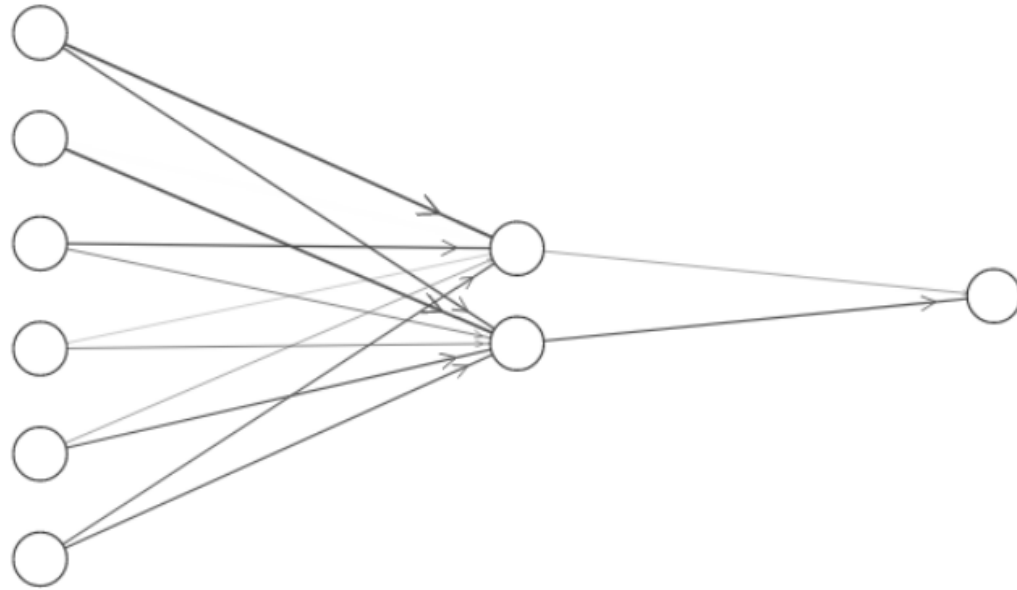
Exemplo de rede neural com uma camada oculta.



Input Layer  $\in \mathbb{R}^6$

Output Layer  $\in \mathbb{R}^1$

$$g(\mathbf{x}) = f \left( \sum_{i=1}^d \beta_i x_i \right)$$



Input Layer  $\in \mathbb{R}^6$

Hidden Layer  $\in \mathbb{R}^2$

Output Layer  $\in \mathbb{R}^1$

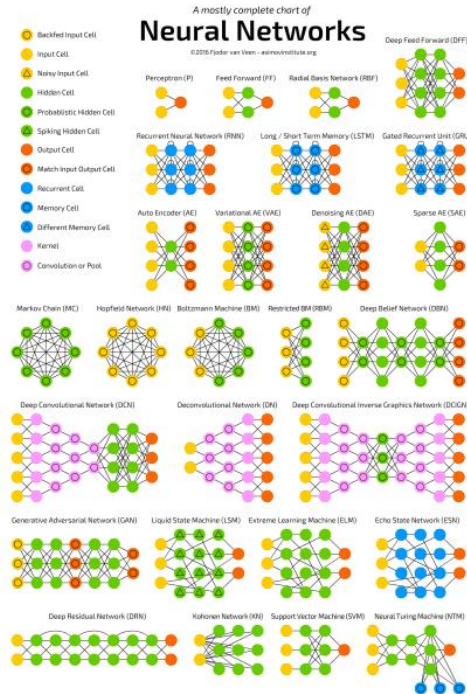


Figura: <https://www.asimovinstitute.org/>



# Amazon

