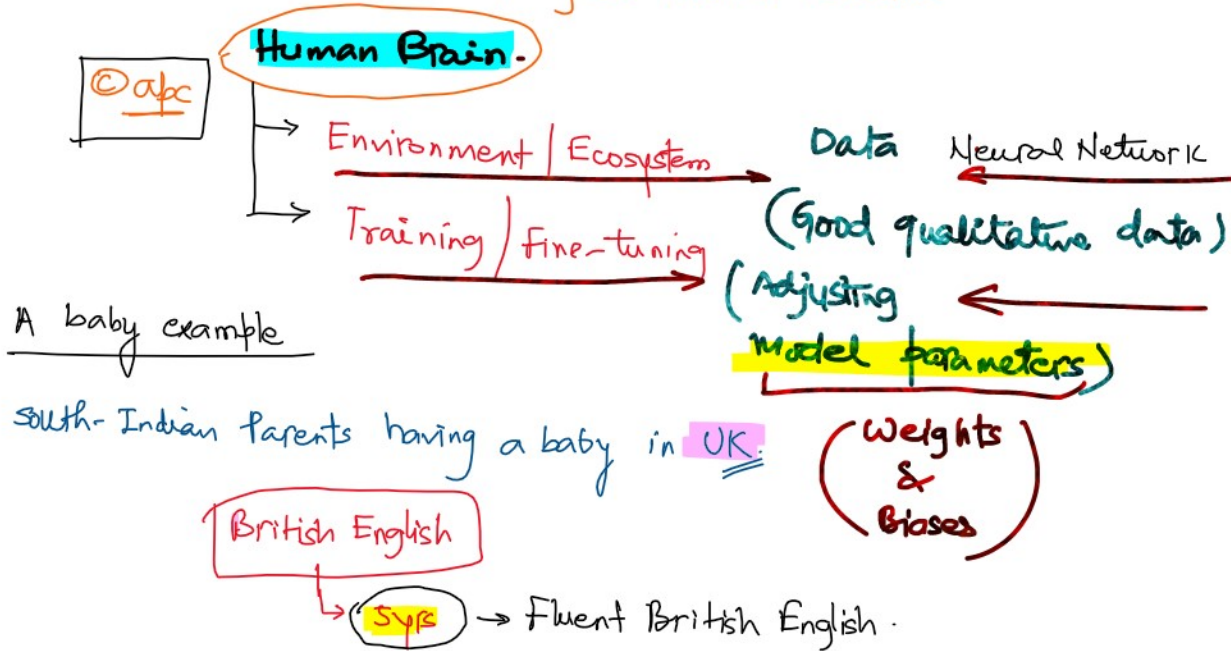


Connecting dots b/w Human Brain & Neural Network

24 November 2024 20:01

What's the intuition behind Neural Network ?

What's the most sophisticated algorithm in the world?
& ↓ complex thing ↔ Neural Network.



(Due to environment / surroundings)

car-driving / 'learning anything new'

- Directly going behind the steering
- Enroll yourself to car driving school

Swimming
French / German
Fly an airplane



Cat (circled in red) Baby: its a cat.
↓
A baby observes **cat's face**.



A baby observes cat's face,
and try to learn edges and
patterns of cat thru their eyes



→ CAT



→ Dog



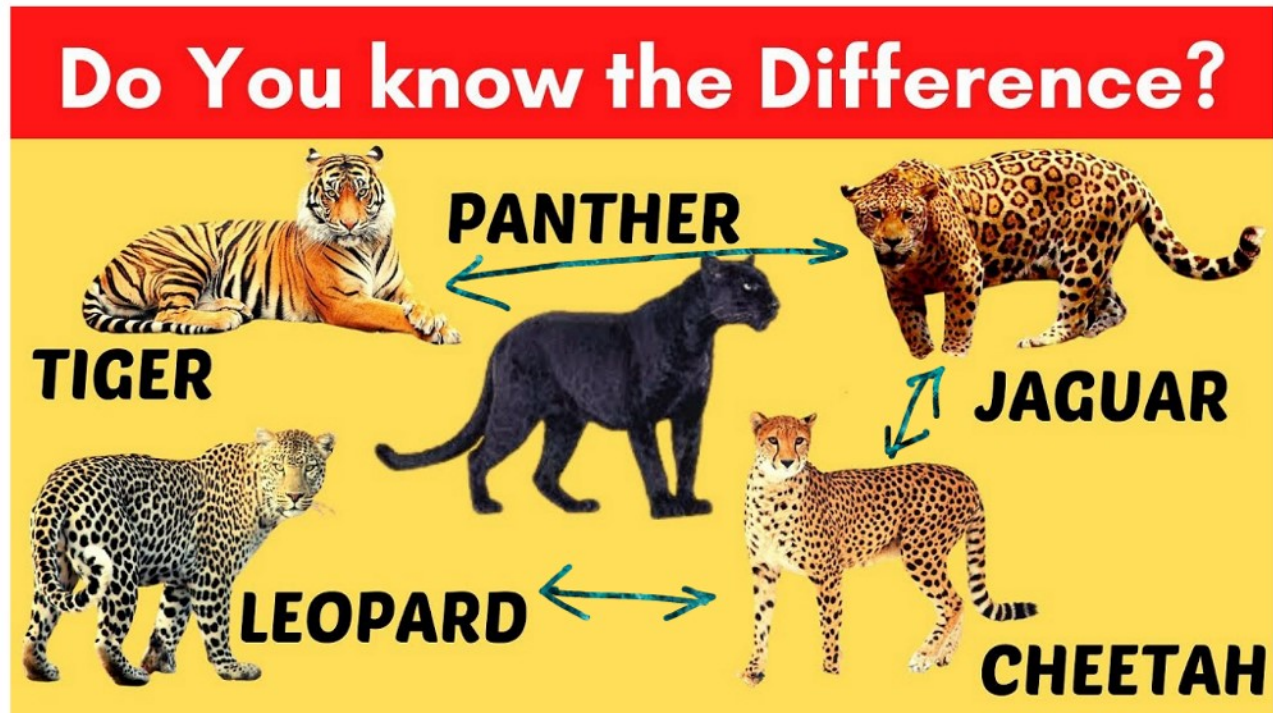
→ Baby, what's this??

→ (Flamingo)

- is a rare bird

Note: Most of us are not able to recognize this bird
as the flamingo.

Note: Most of us are not able to recognize this bird as there is **limited training** or **no training**



How does your brain respond to the pain??

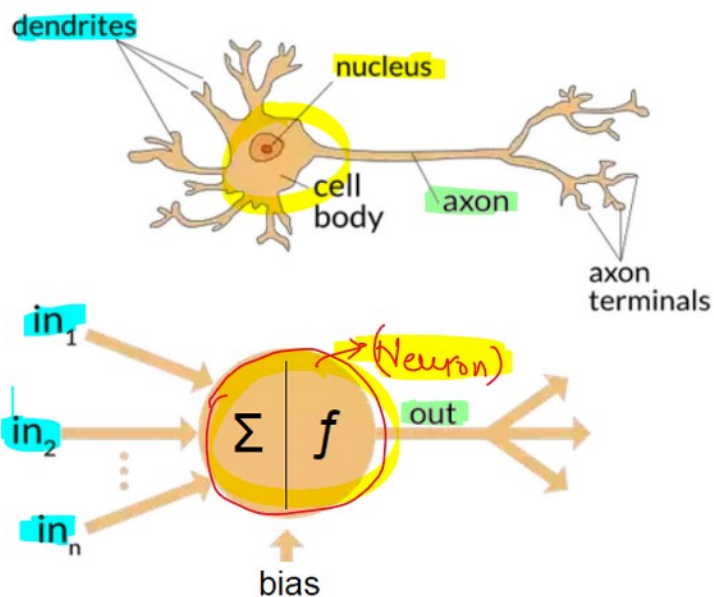
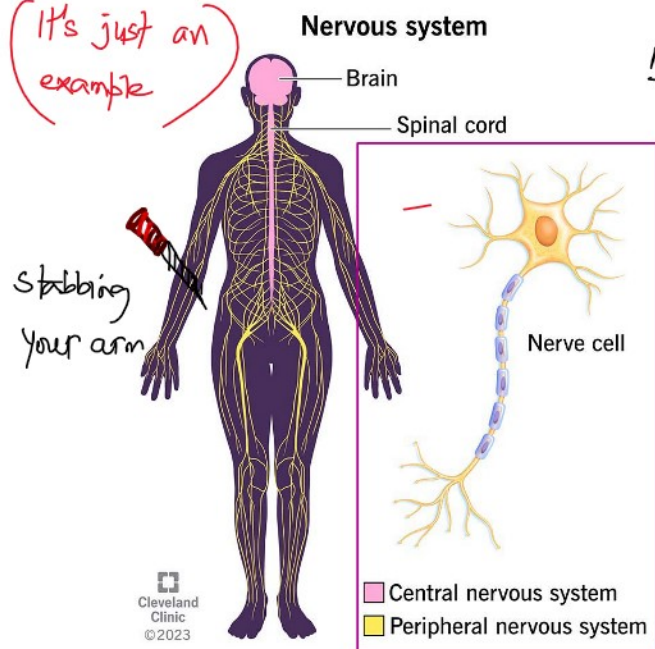
[How does your brain respond to pain? - Karen D. Davis](#)



To feel the pain, nociceptors transmit pain signal from periphery to the brain.

(It's just an example)

MARCOS



Neural N/w Simple model

Just for reference

Biological Nervous System

Artificial Neural Network

Neuron

Processor Element

Dendrite

Addition Function

Cell Body

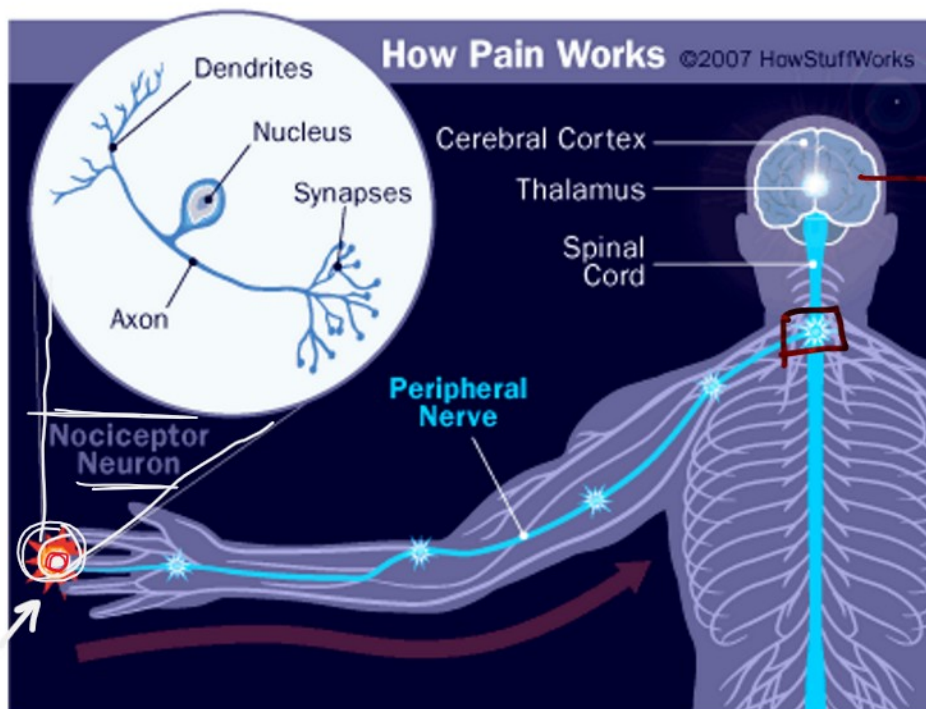
Transfer Function

Axons

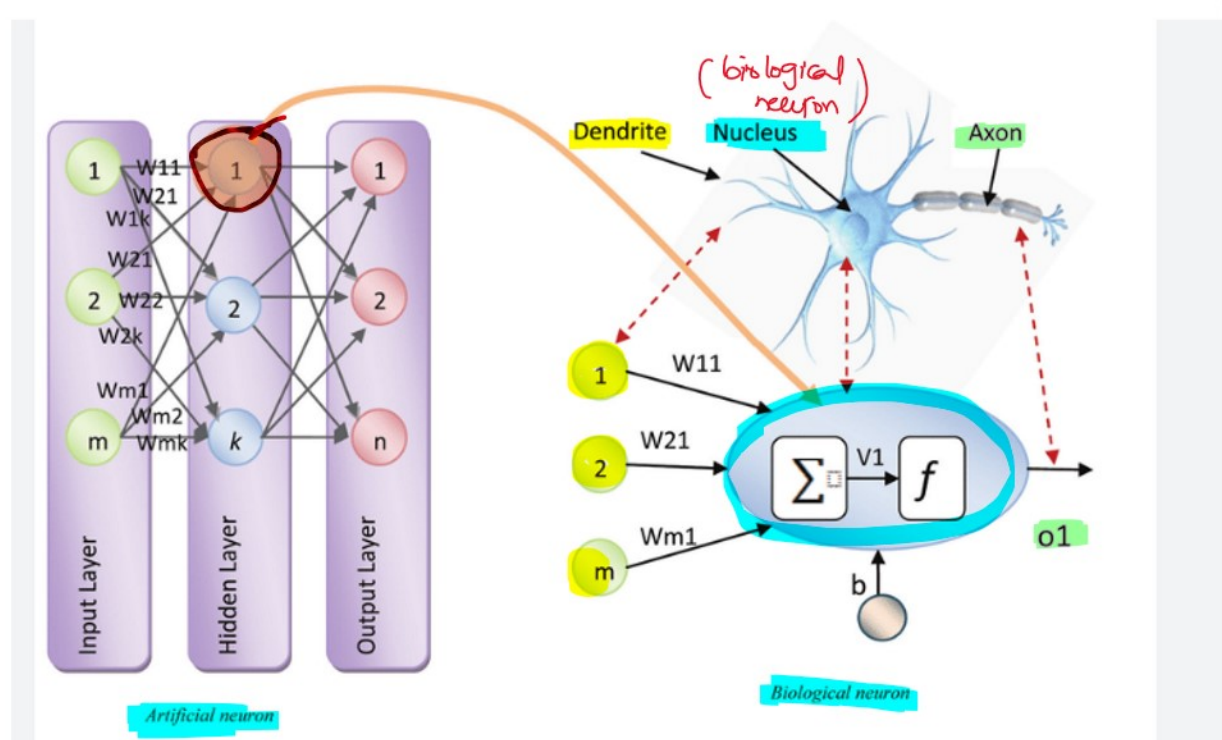
Artificial Neuron
Outputs

Synapses

Weights



~



Very simple Neural Network
Architecture

