



Connecting Neuroscience and Machine Learning

Don't get Eaten by the Tiger

Neuroscience of Decision Making

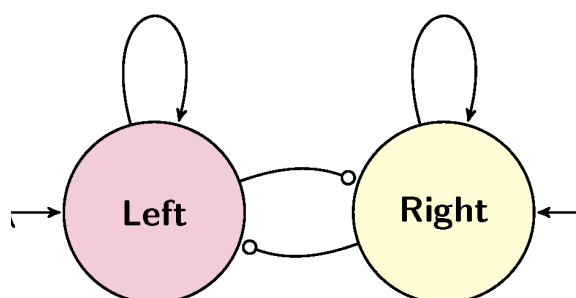
The Neuron

What is the basic **unit of information** for a neuron?

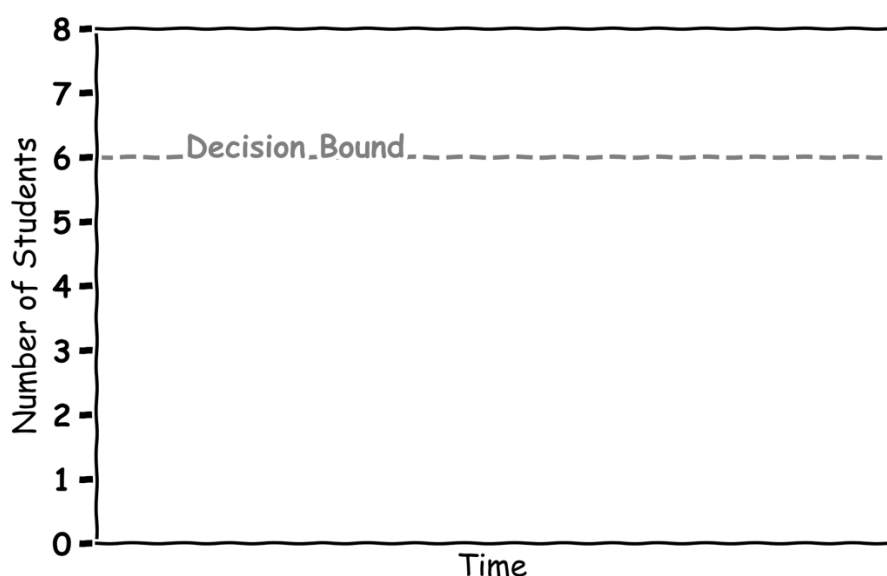
How do we **encode** it mathematically?

Two Populations of Neurons

Label the graph:



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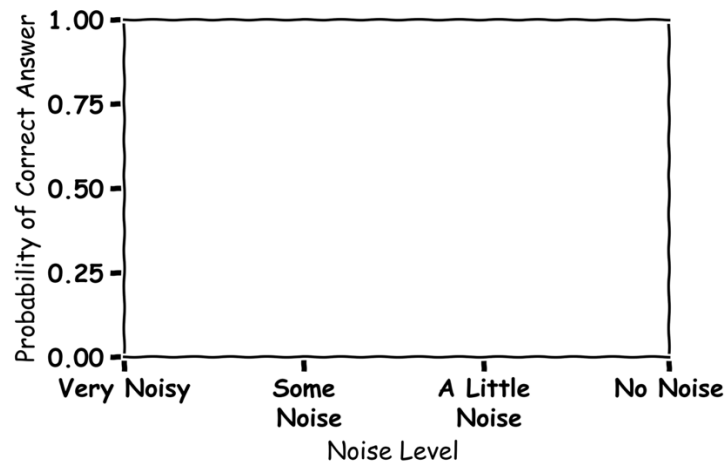


Making Decisions

Label the graph:

Where is the **50-50 chance line**?

Fill in the graph with your answers:



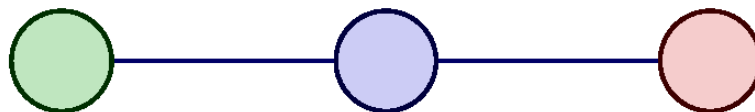
Machine Learning of Decision Making

The Algorithm

What is an **algorithm (AI)**? Give an **example**?

The Node

Label the graph:



What does an **Artificial Neural Network** learn?

How are you **smarter than AI**?