Harvard

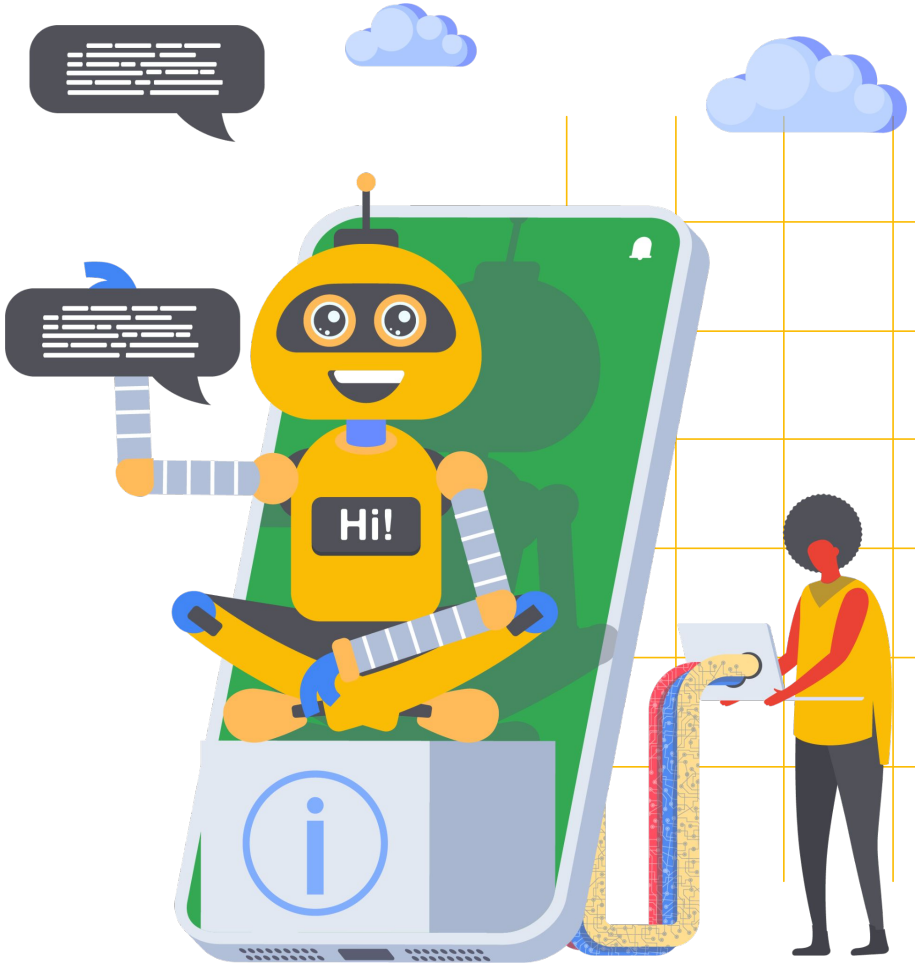
Yá’át’ééh 👋

CRESTLEX 3.0

CReating **E**ffective **ST**em
Learning **EX**periences

with Navajo Tech

Harvard



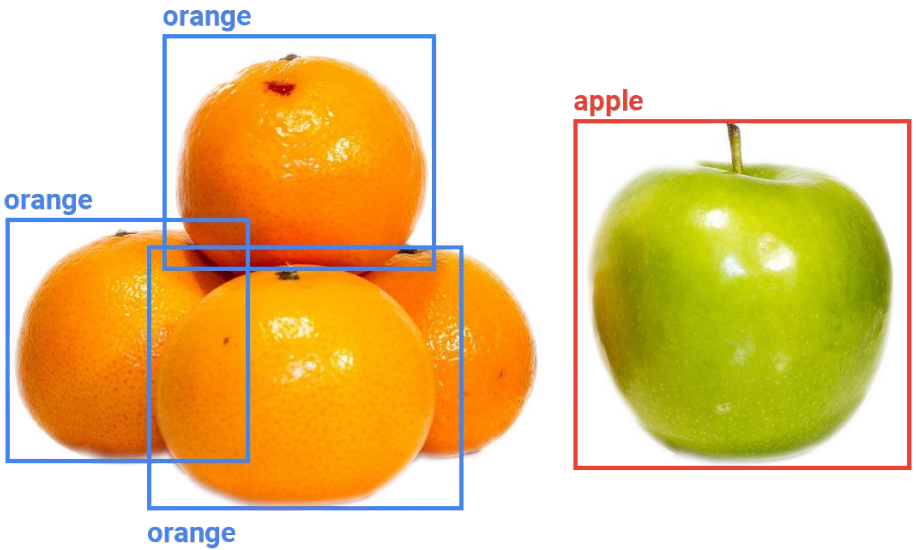
How ML works?

with Professor VJ

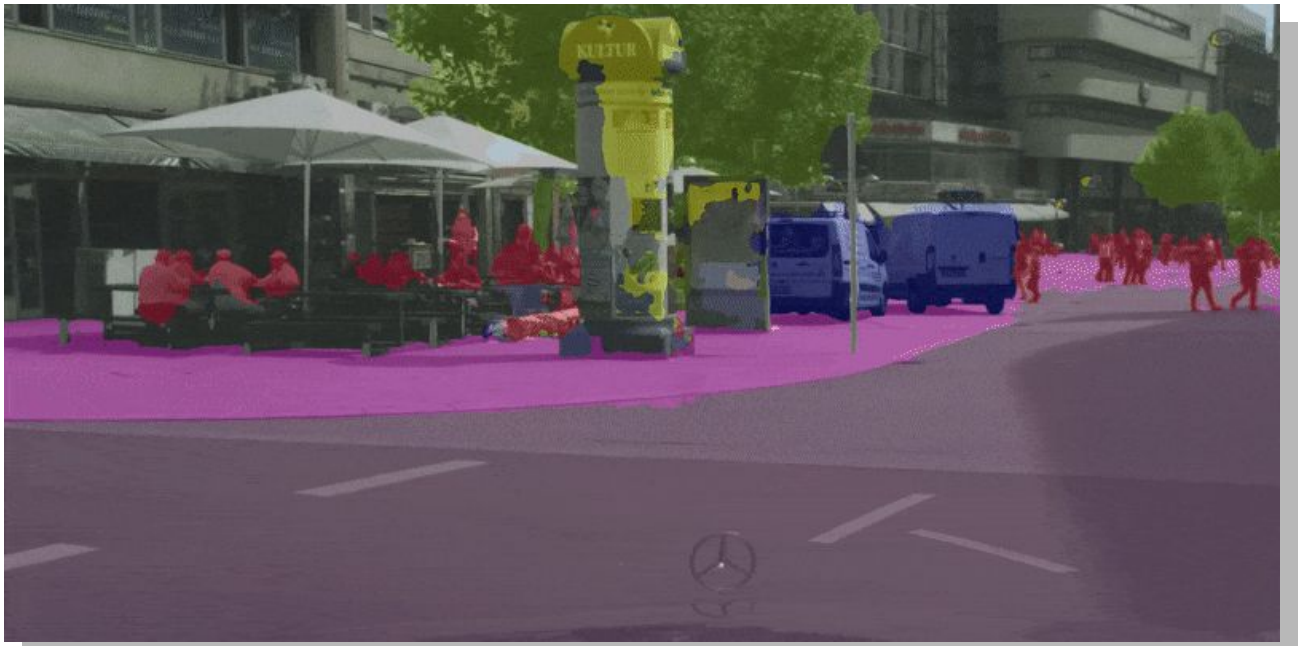
Review what we've learned

Machine learning provides a computer with data, **rather than explicit instructions**. Using these data, the computer learns to **recognize patterns** and becomes able to execute tasks on its own.

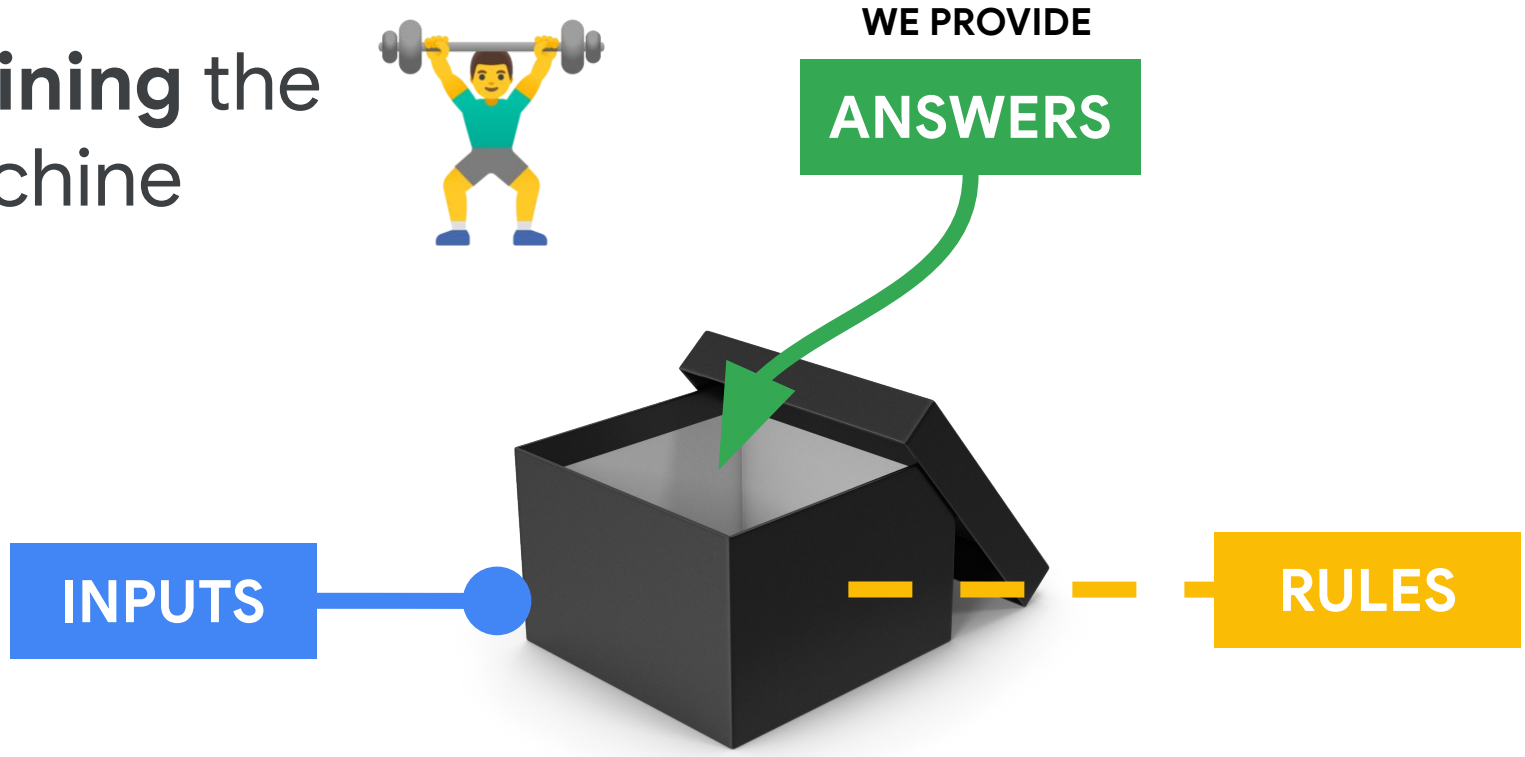
Object Detection



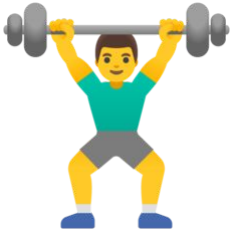
Segmentation



Training the machine

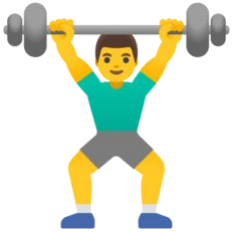


Training the machine



Make a Guess!

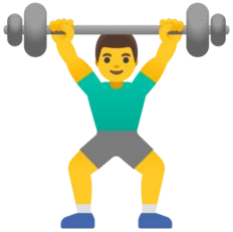
Training the machine



Make a Guess!

Check and count mistakes

Training the machine

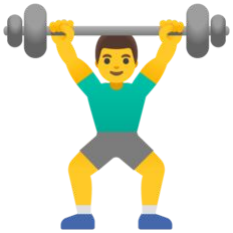


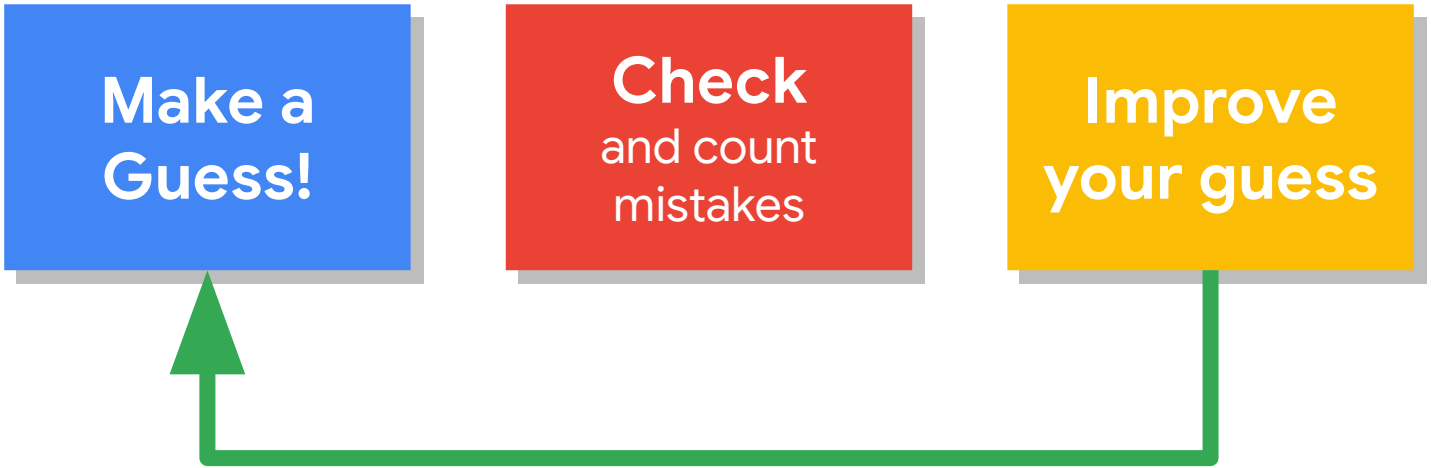
Make a Guess!

Check and count mistakes

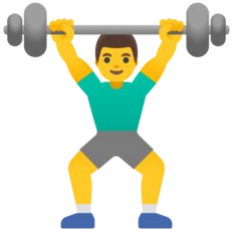
Improve your guess

Training the machine





Training the machine

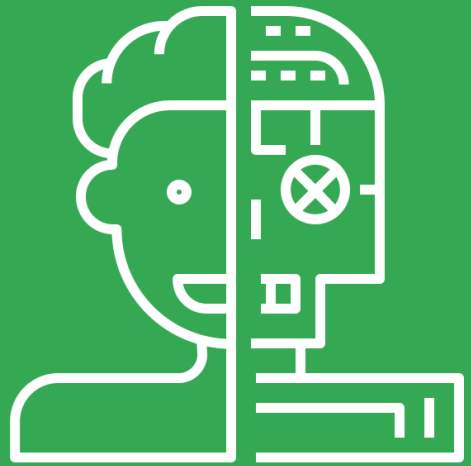


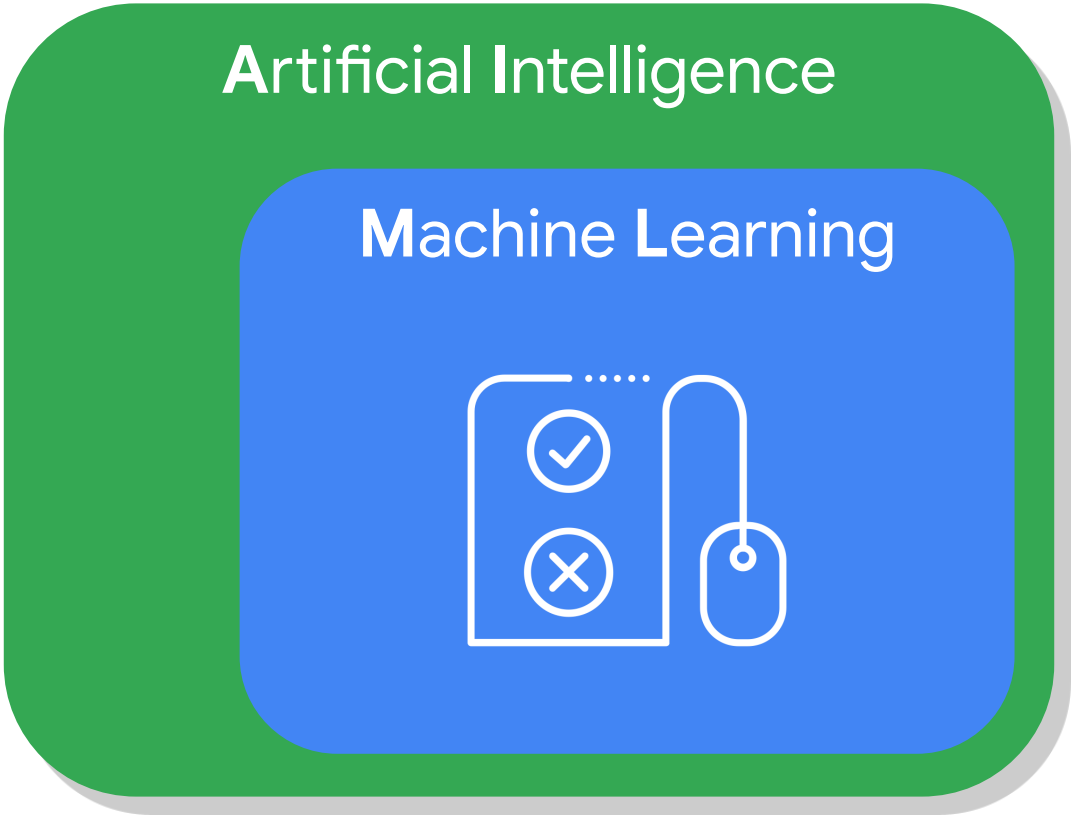
Make a Guess!

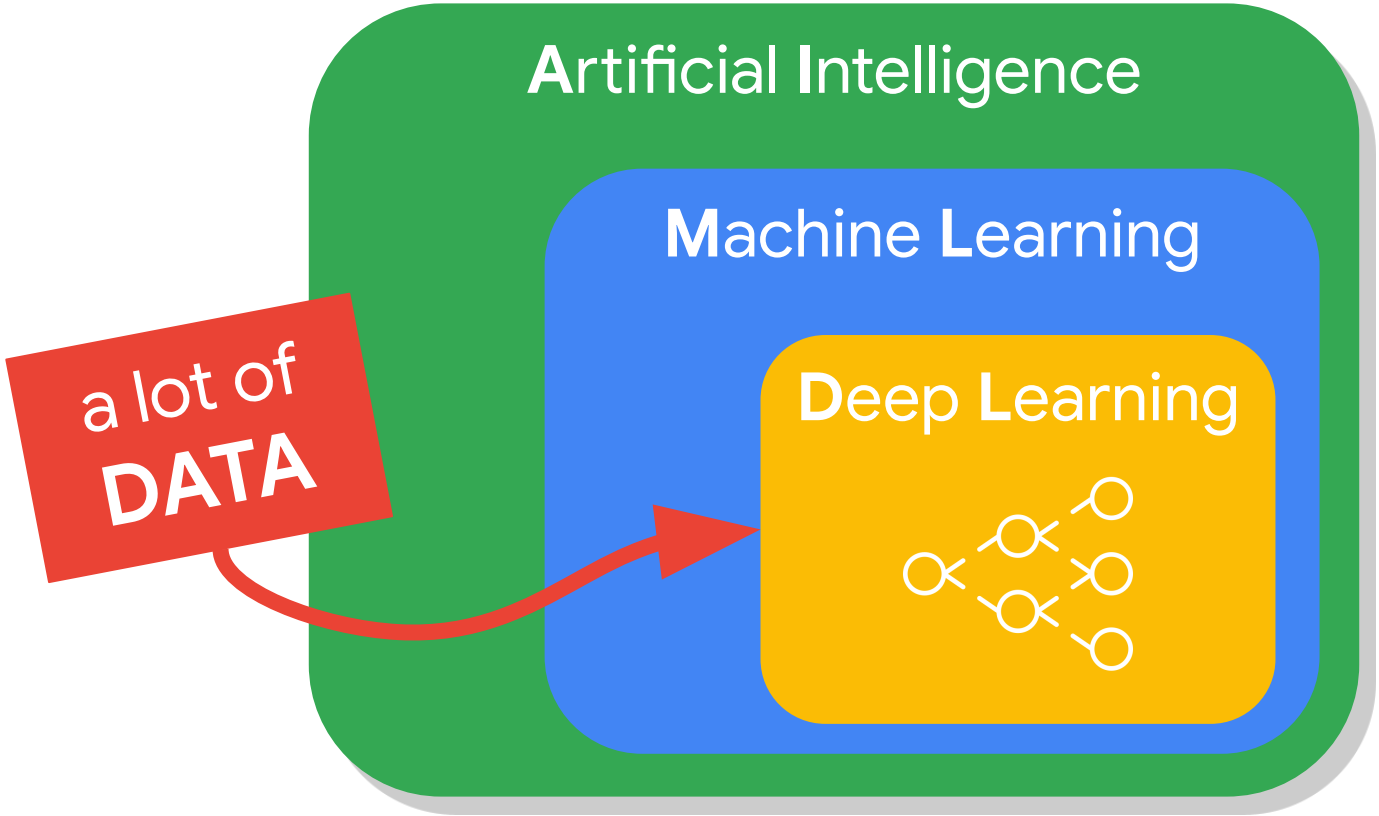
Check and count mistakes

Improve your guess

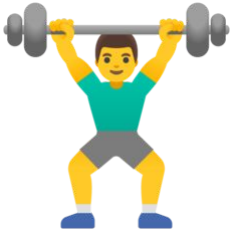
Artificial Intelligence



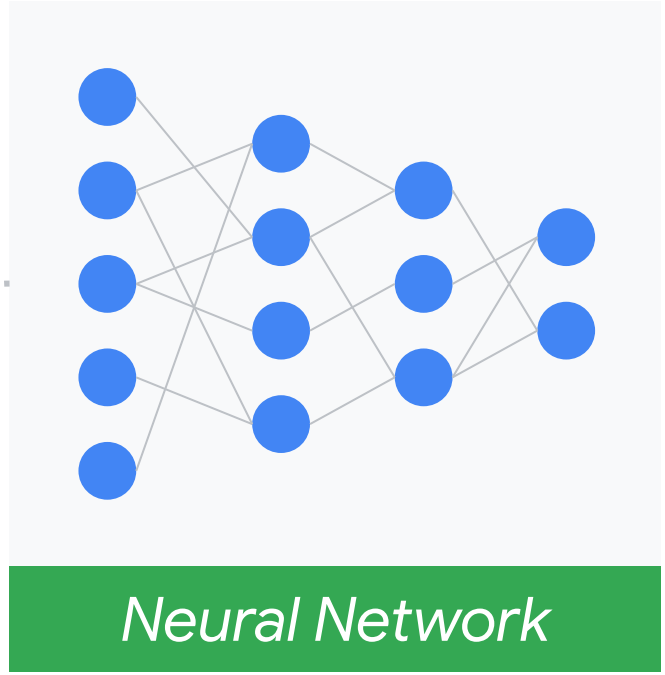

Artificial Intelligence
Machine Learning


Artificial Intelligence
Machine Learning
Deep Learning
a lot of
DATA

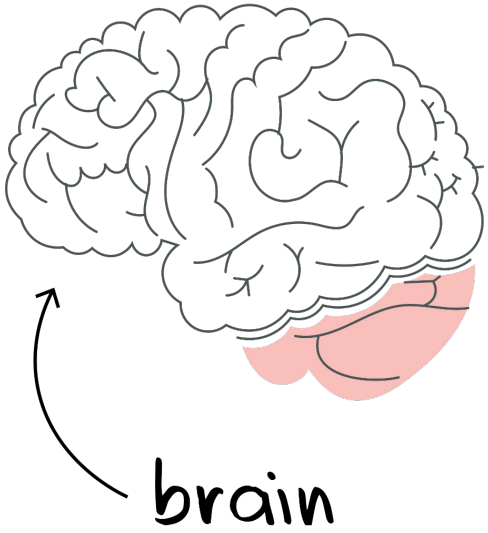
Training the machine



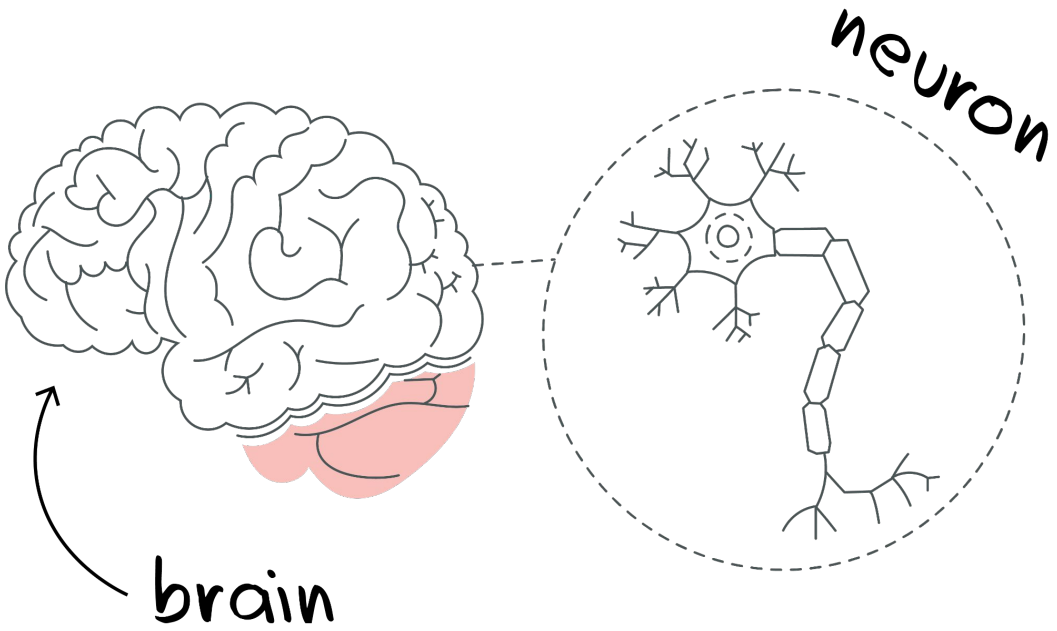
Make a Guess!



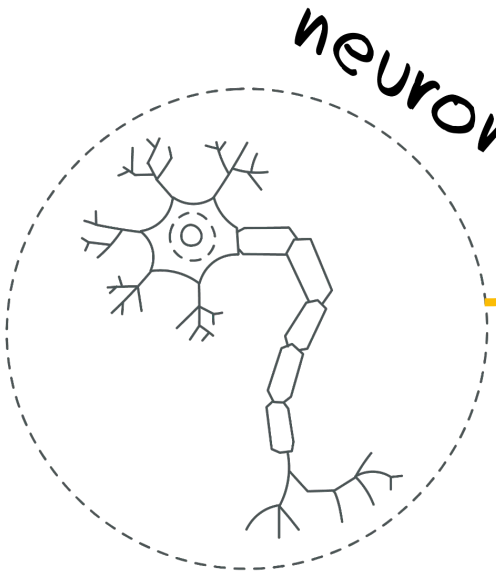
Neural network

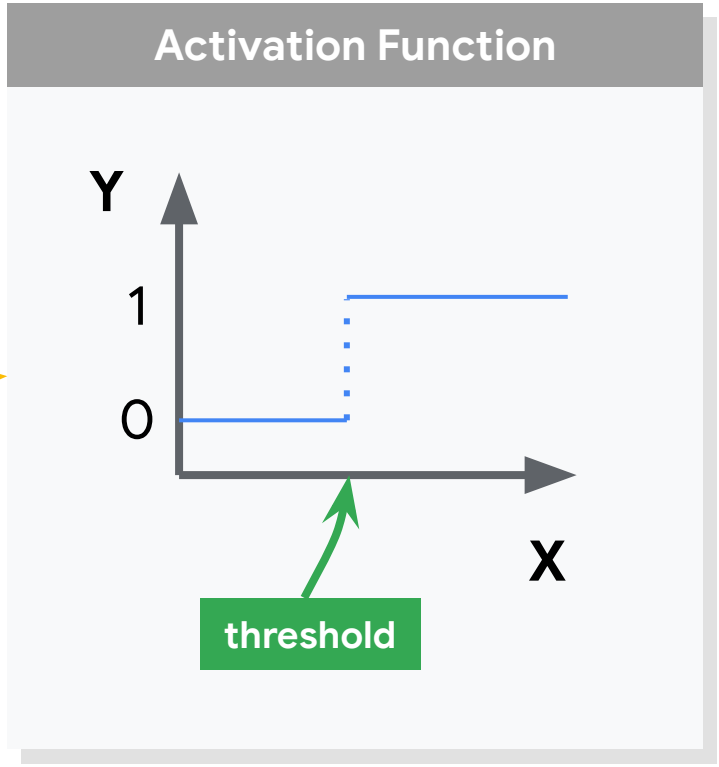


Neural network

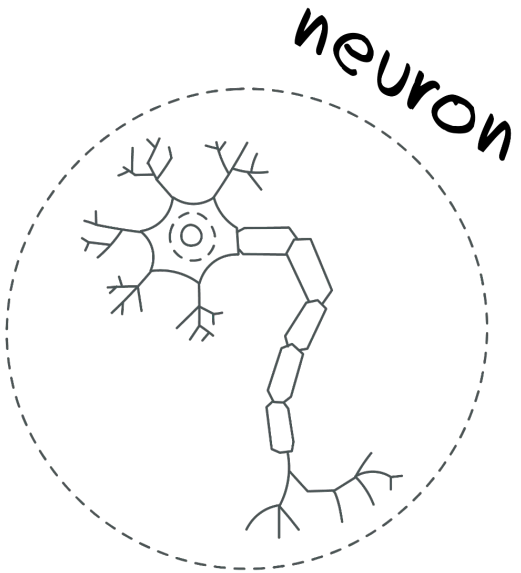


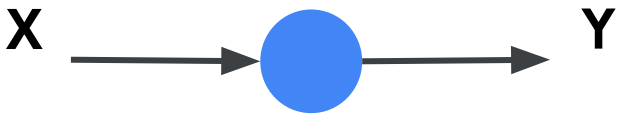
Neural network





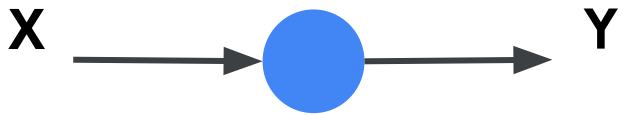
Neural network



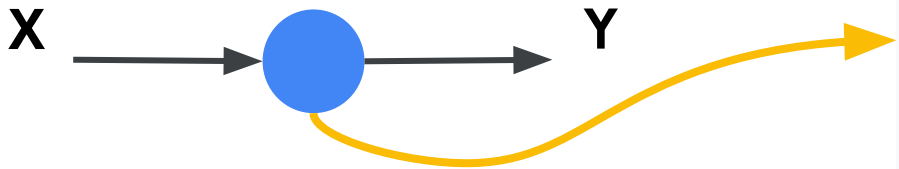


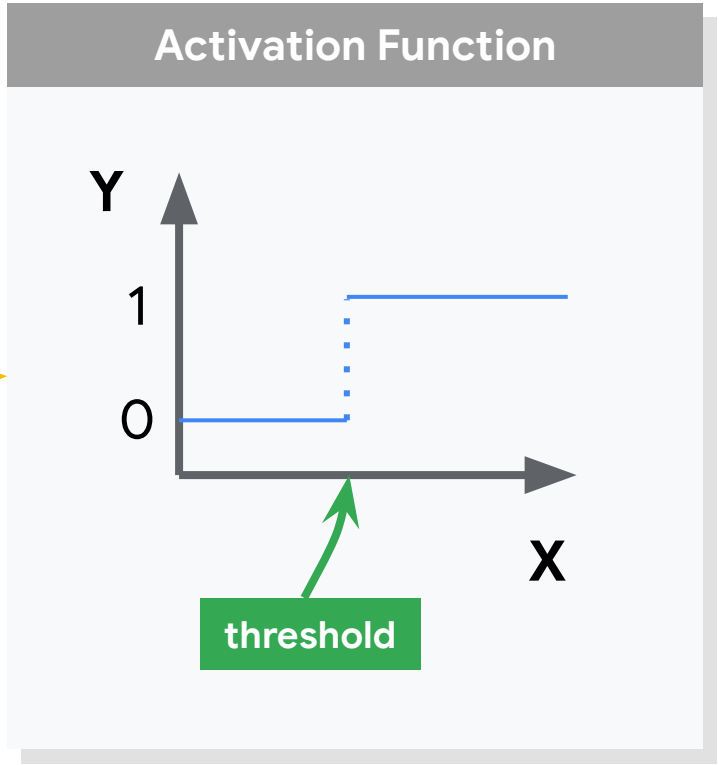
artificial

Neural network

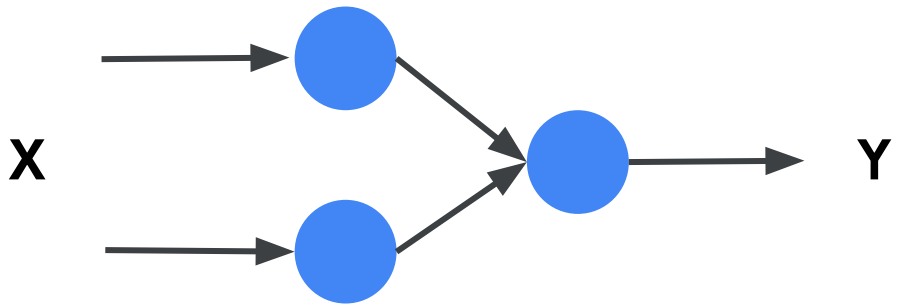


Neural network

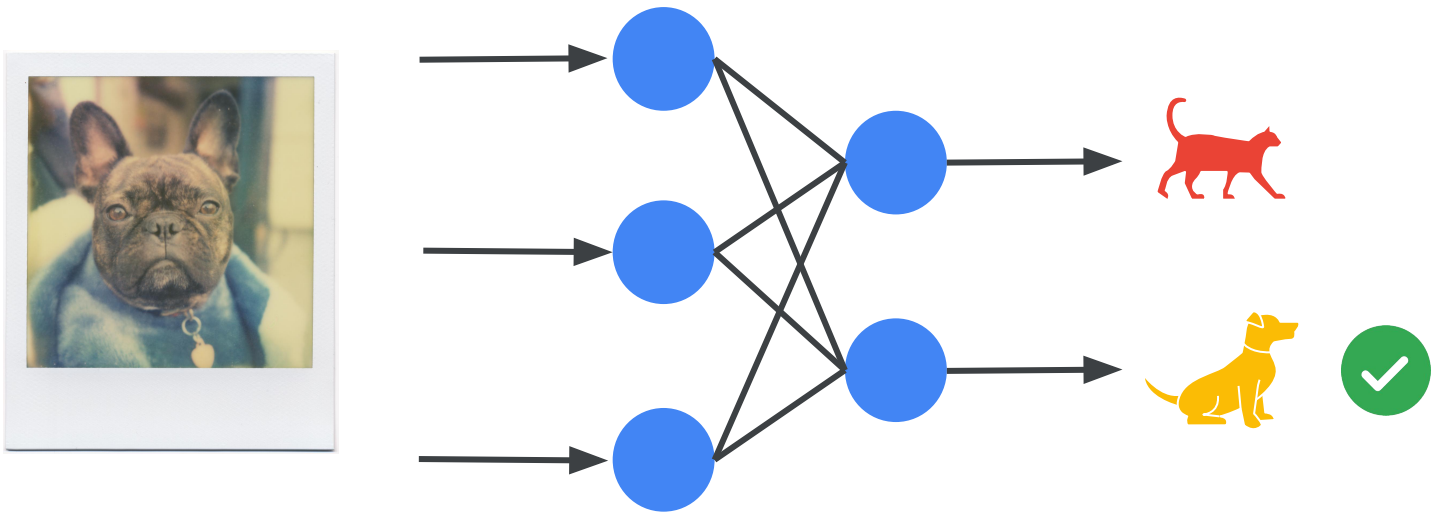




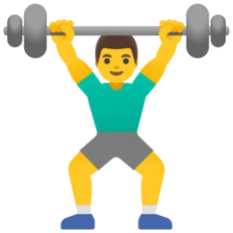
Multi-layer
neural network

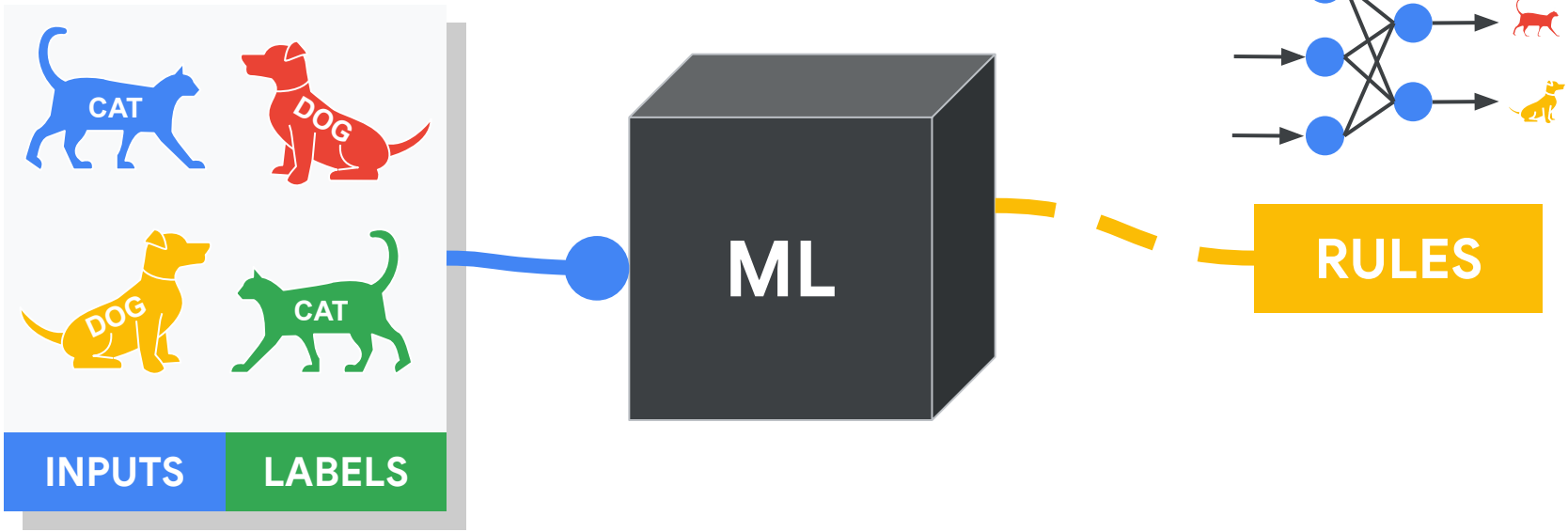


Deep Learning with **Neural Networks**



Training the machine





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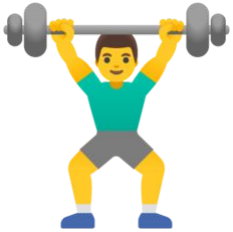
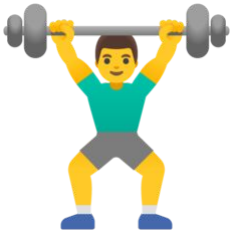


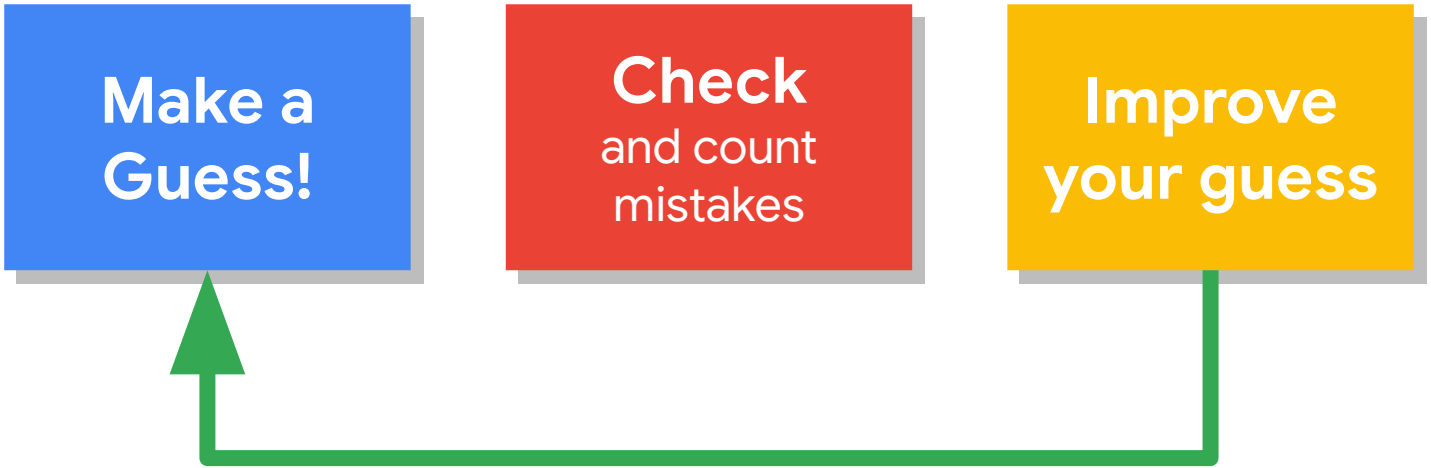
Make a Guess!

Check and count mistakes

Improve your guess

Training the machine





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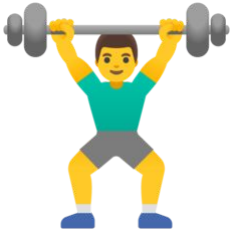

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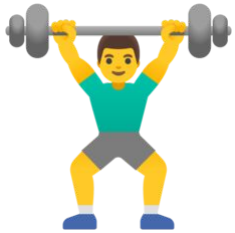

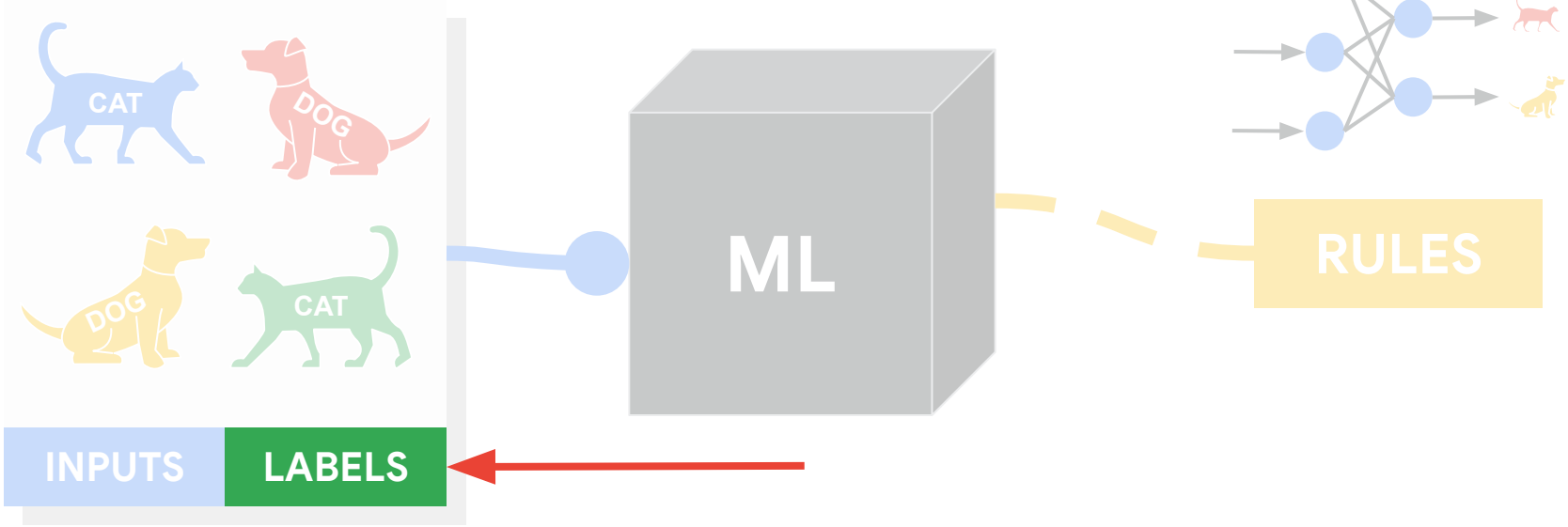

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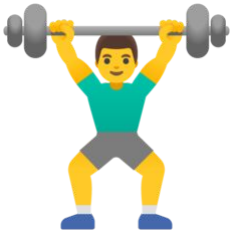
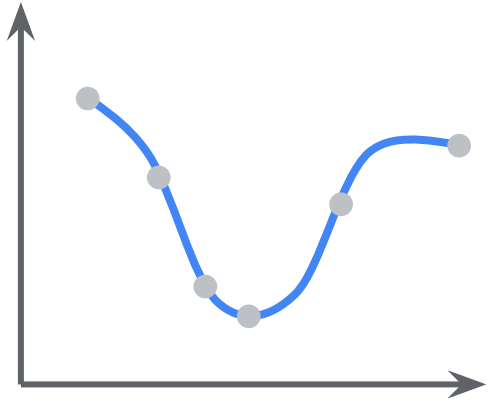


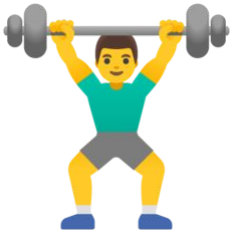
Loss
number of mistakes

Check
and count mistakes



Improve your guess

Training the machine



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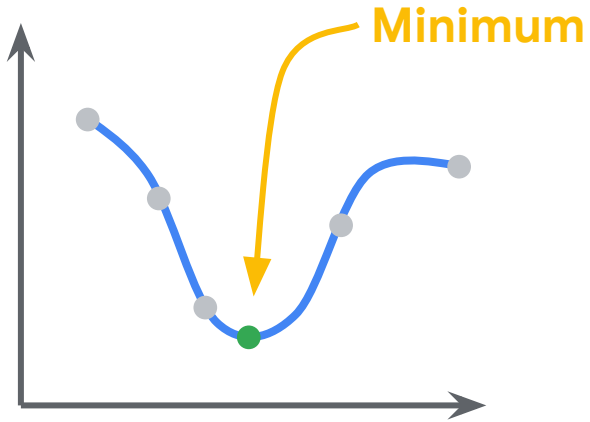
Improve your guess