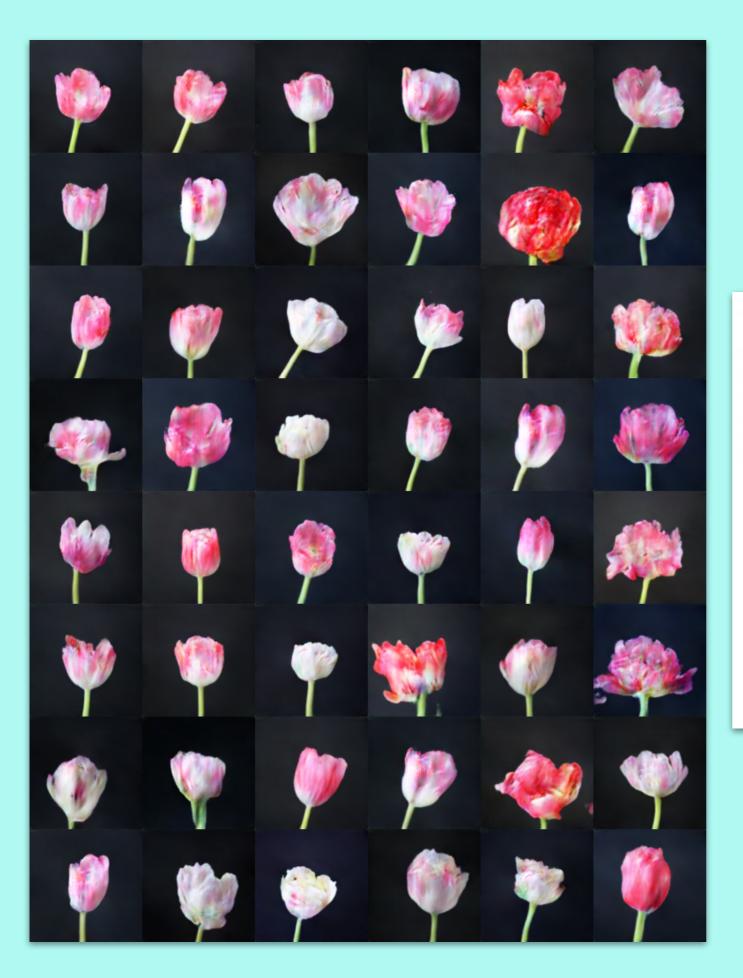
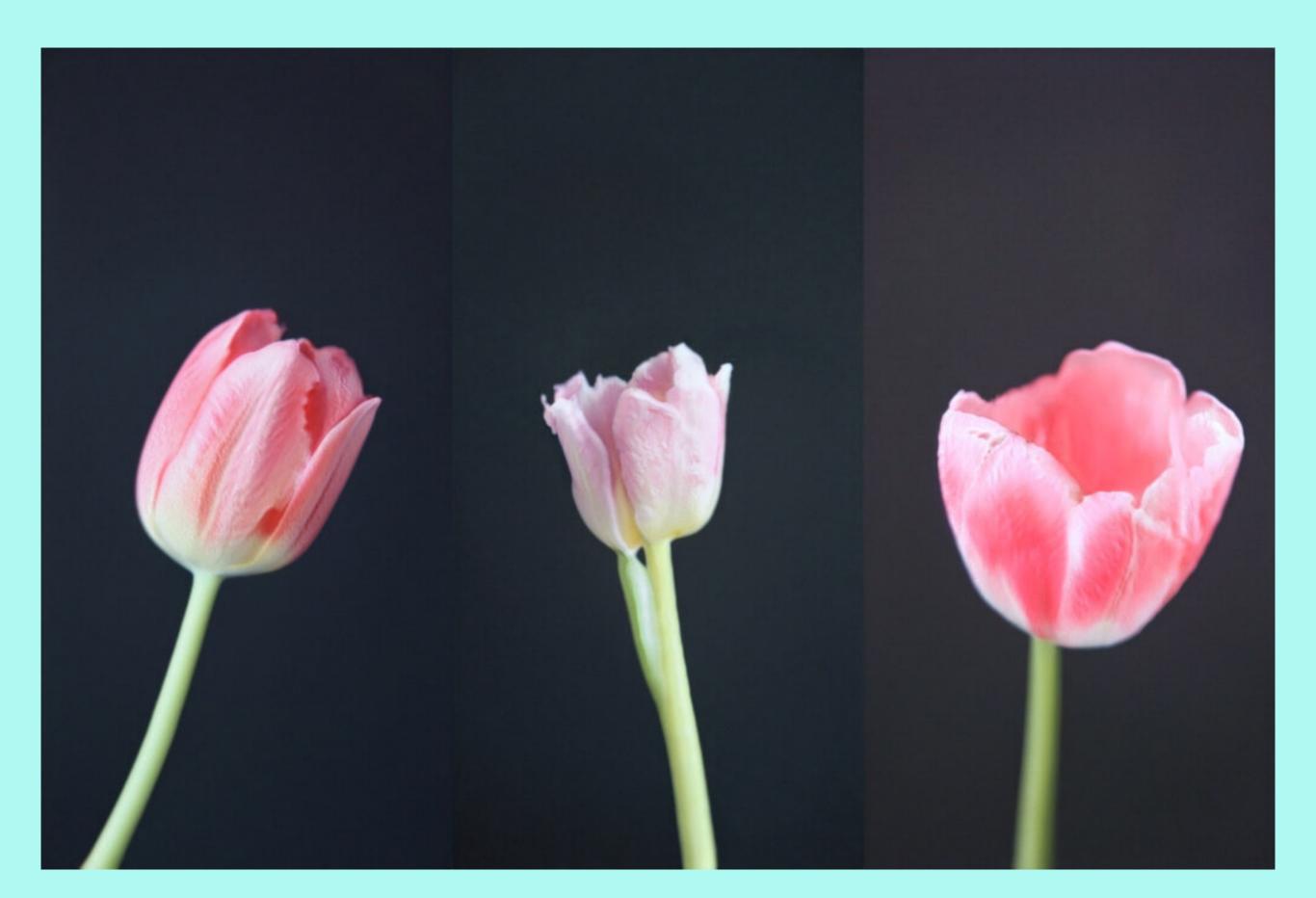
NEURAL NETWORKS & AESTHETICS

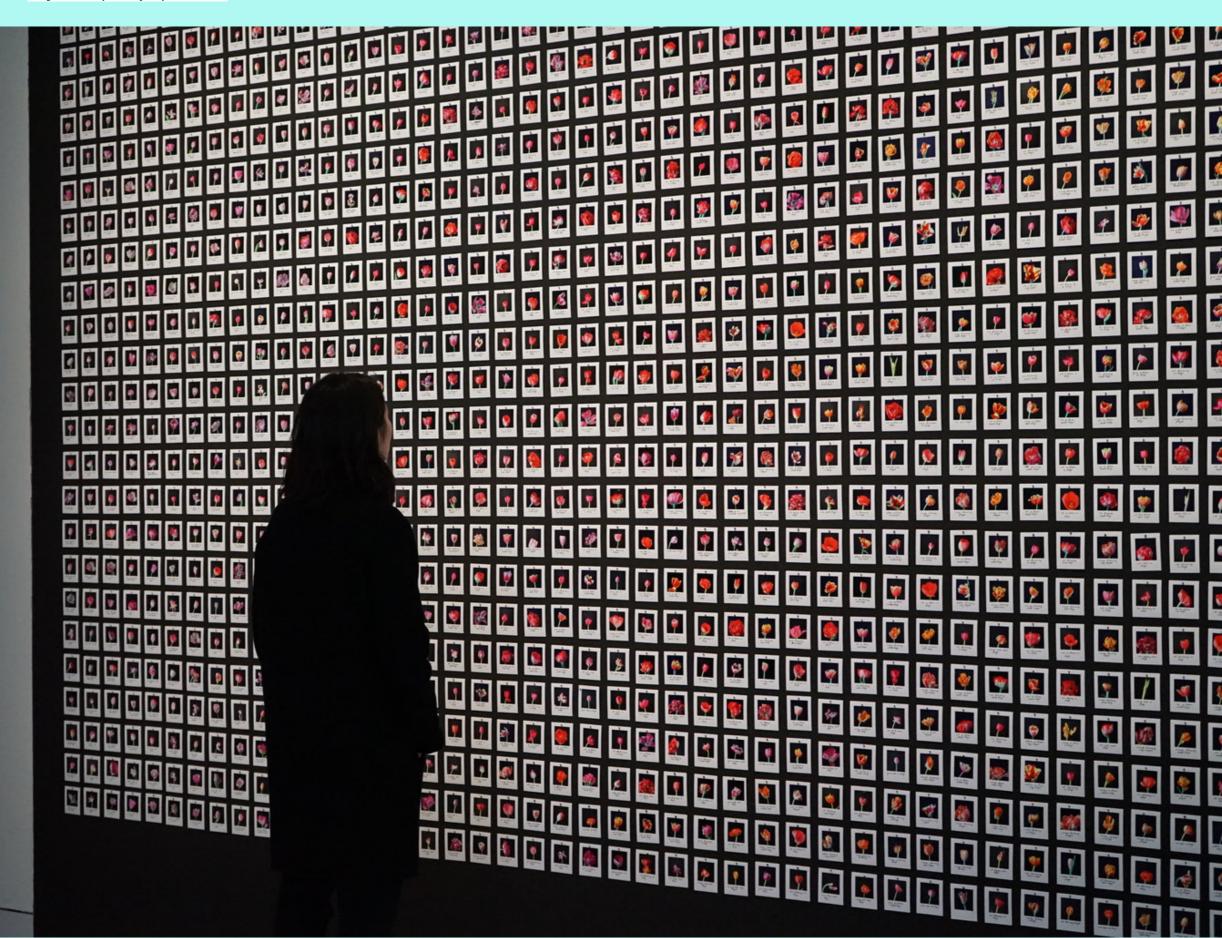
Frieder Nake A Workshop, Summer 2020





Anna Ridler





https://www.youtube.com/watch?v=xuutyyJmHfw

watch about 3 first minutes listen carefully, discuss

get the two short papers by
VINCENT 2019
BODDINGTON 2019
from the compart website, Material.

we'll read at least one of them.

also get the longer paper by INZAUGARAT 2019

"INTELLIGENCE"?

capacity for logic

understanding

self-awareness

learning

INTELLIGENCE?

emotional knowledge

reasoning

planning

creativity

critical thinking

problem-solving

INTELLIGENCE?

ability to perceive or infer information

to retain it as knowledge
(to be applied towards adaptive behaviors within an environment or context)

INTELLIGENCE?

ability to perceive or infer information

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can a computer have or do this?

Neural Networks and Deep Learning is a free online book.

The book will teach you about:

- Neural networks, a beautiful biologically-inspired programming paradigm which enables a computer to learn from observational data
- Deep learning, a powerful set of techniques for learning in neural networks

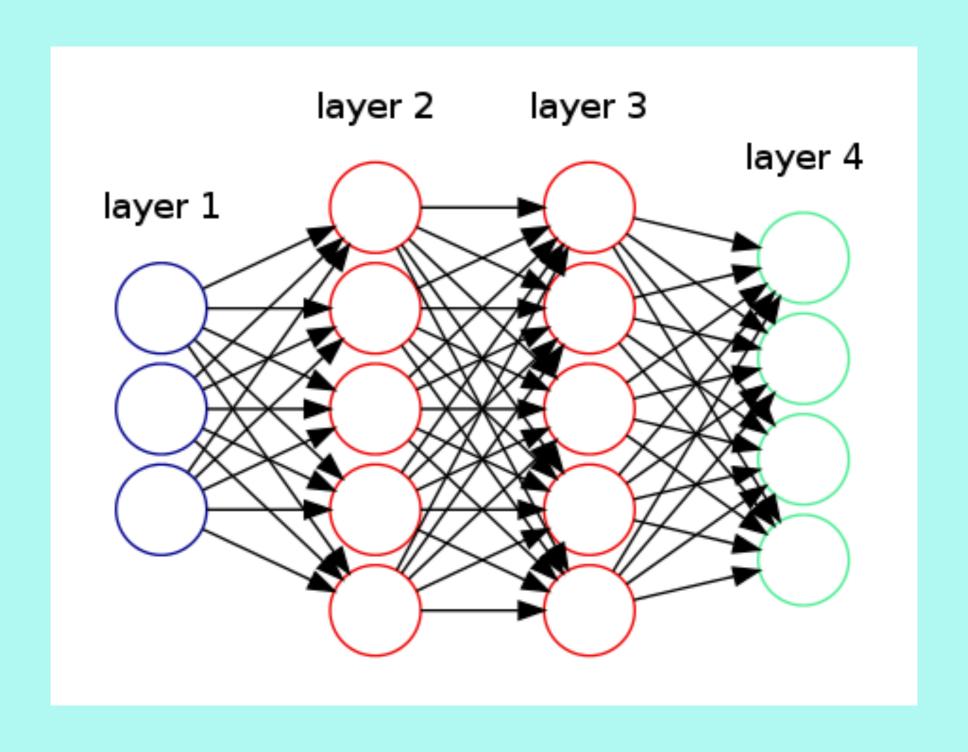
Neural networks and deep learning currently provide the best solutions to many problems

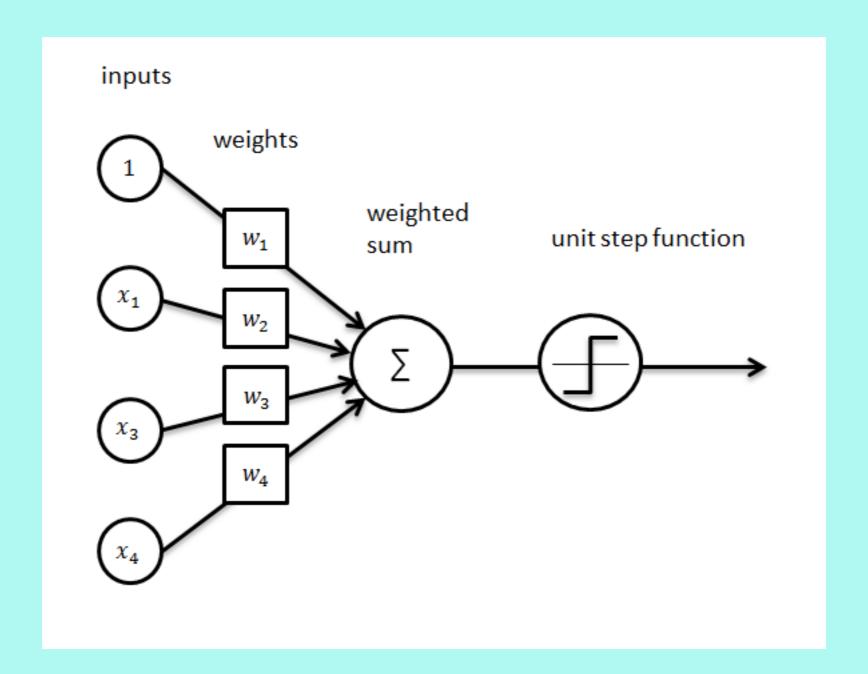
in image recognition, speech recognition, and natural language processing.

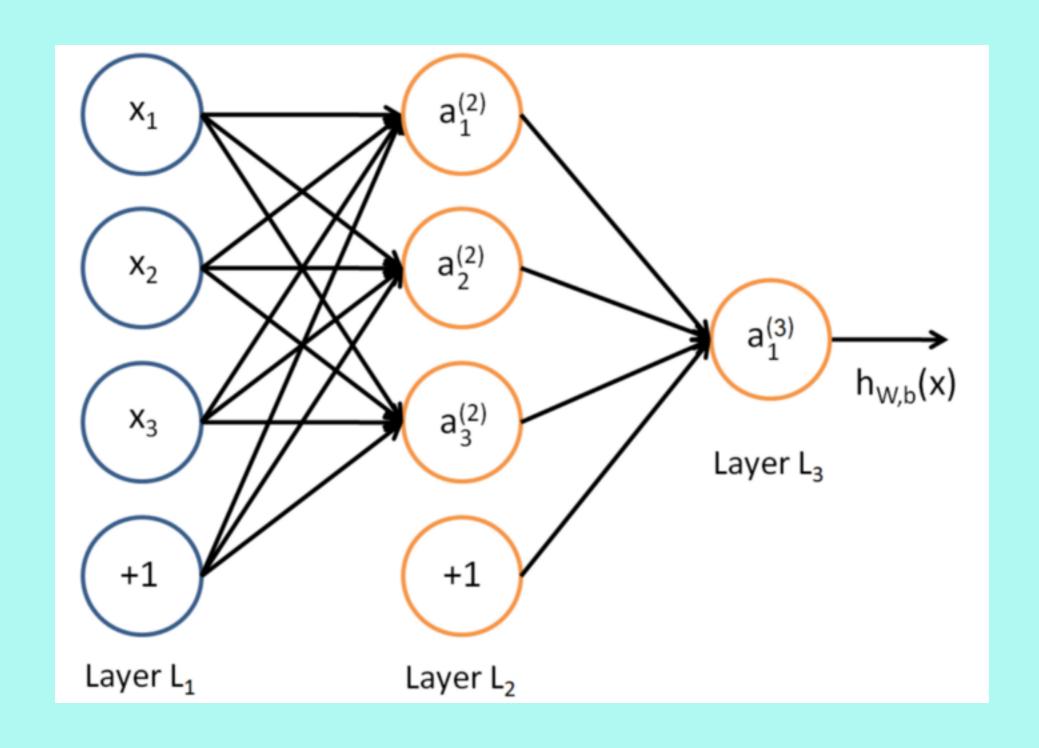
Neural Network

... is a computing system consisting of a number of simple but highly interconnected nodes that are organized in layers.

The nodes process data in reaction to inputs (from outside or inside)







https://www.youtube.com/watch?v=ujBiM9stPHU

very very basic tutorial on the calculation in a neural network