

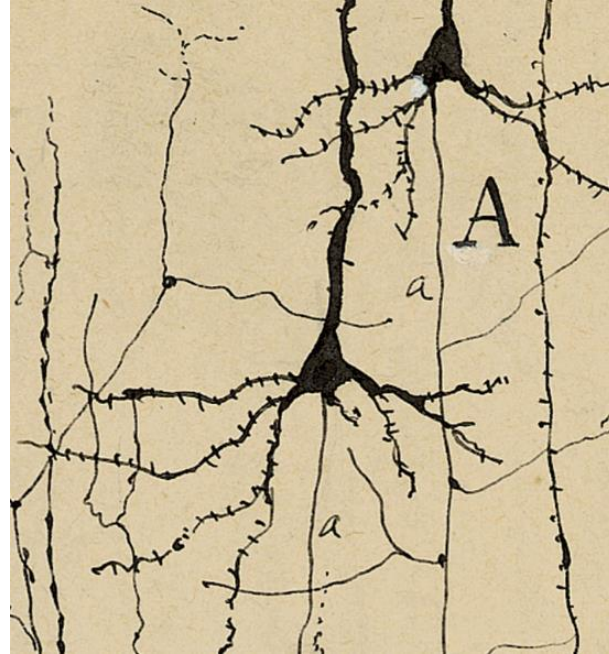
A.I. Regulation is Here

Barlow Keener
Womble Bond Dickinson
Barlow.keener@wbd-us.com
857-287-3139

A.I. Born from Telecom and Psychology



Jeff Hawkins
Founder, Palm Pilot
Founder, Numenta 2005



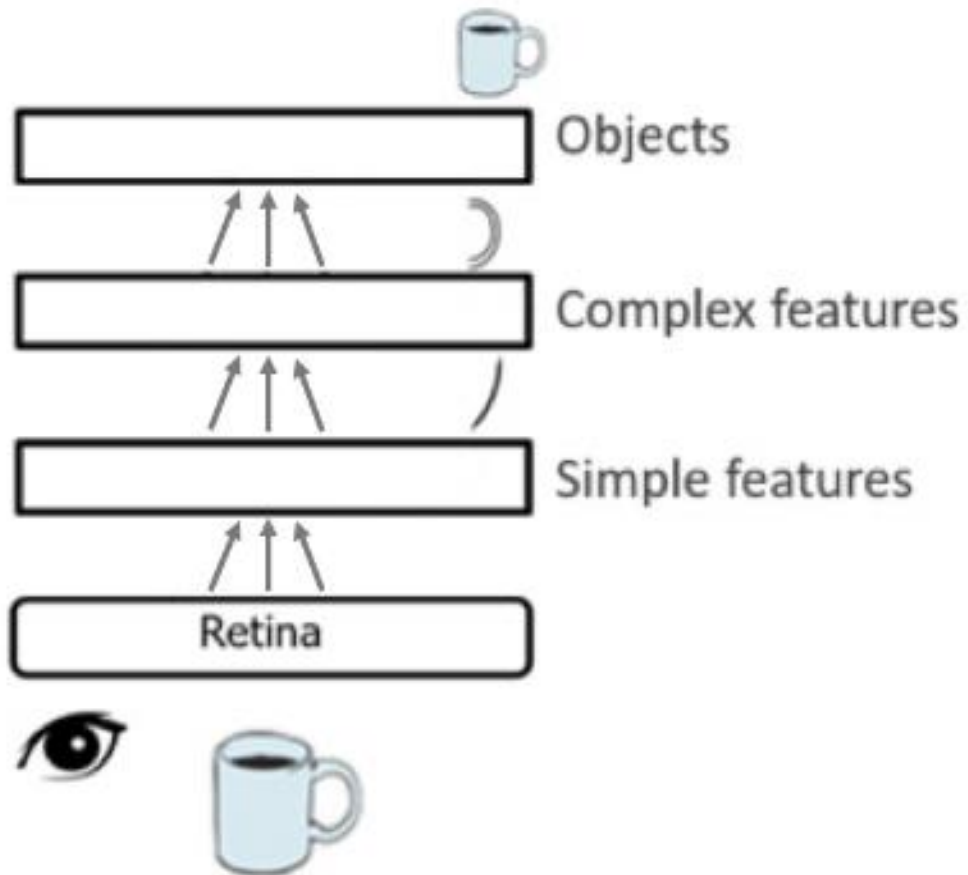
Santiago Ramón y Cajal
Neuroscientist



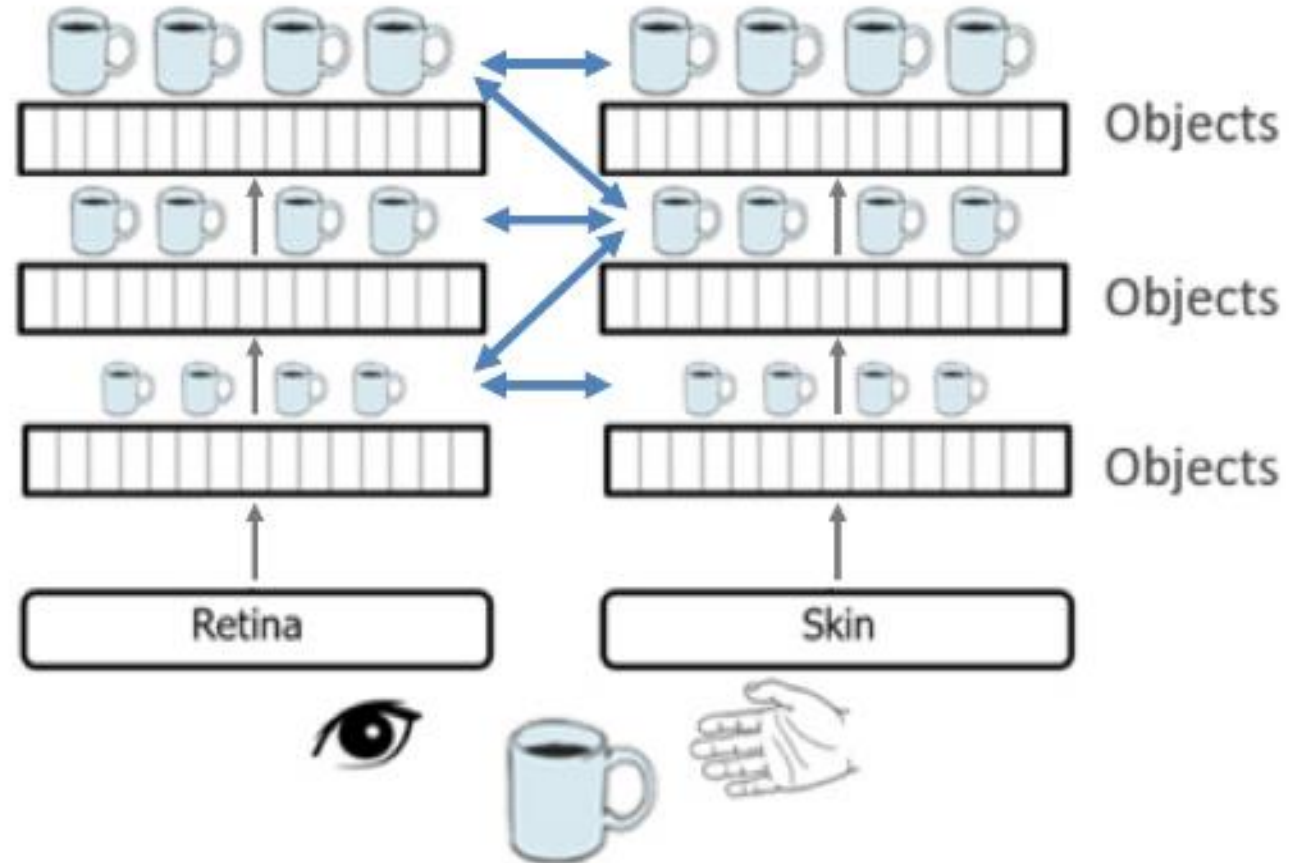
Geoffrey Hinton, PhD
Google Brain 2013-2023
University of Toronto
Turing Award 2018

A.I. How is it different from a data base?

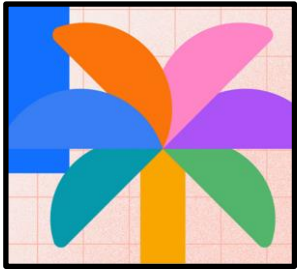
Classic View



Thousand Brains Theory



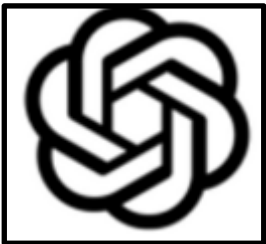
\$50 Billion invested in A.I. in one year: 2023



PaLM 540 B parameters
LaMDA: 1.56 T words data
DeepMind: 250 B parameters



530 B parameters
270 B tokens training
Megatron-Turing



GTP4: 220 B parameters
32,000 tokens
GPT3: 175 B parameters



220 B parameters
Baidu Ernie



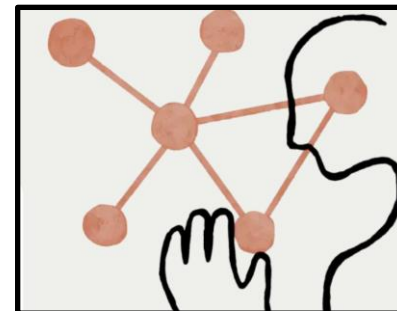
13 B parameters
Microsoft Orca



7 B parameters
Meta Llama 2



7 B parameters
AWS Falcon 7B



175 B parameters
100,000 tokens
Anthropic
Google, AWS: \$8 B

A.I. Lays Down the Law

AI Risk Management Framework
AI RMF1.0

ANTHROPIC

Constitutional A.I.

“Harmlessness from AI Feedback”



AI Risk Management Framework

AI RMF1.0



Jan. 10: Bi-Partisan bill requiring agencies to implement NIST A.I.



Executive Order: Safe, Secure, & Trustworthy Development & Use of A.I.



NOI: A.I. on Robocalls/Texts

CSRIC: A.I. Security, reliability, & integrity of communications networks



Inquiry: Is A.I. used to engage in unfair practices to sell products or services

US States CA CO VA CT UT NY IL TX OR MT



European Parliament
Artificial Intelligence Act.



Generative AI Regulation

Deep Synthesis Regulation
Algorithm Recommendation Regulation