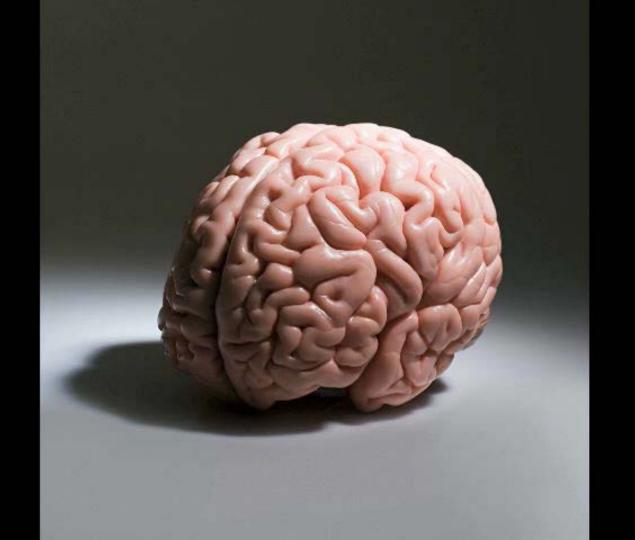
Superminds

The surprising power of people and computers thinking together











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Biography

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Today's featured article



Vidkun Quisling (1887-1945) was a Norwegian politician. On 9 April 1940, with the German invasion of Norway in progress, he seized power in a

Nazi-backed coup d'etat. From 1942 to 1945 he served as Minister-President, working with the occupying forces. His government, known as the Quisling regime, was dominated by ministers from Nasjonal Samling, the party he had founded in 1933. The

collaborationist government participated in Germany's Final Solution. Quisling was put on trial during the post-war legal purge in Norway and found guilty of charges including embezzlement, murder and high

In the news

 Liu Yang becomes the first Chinese woman in space, following the launch of Shenzhou 9.

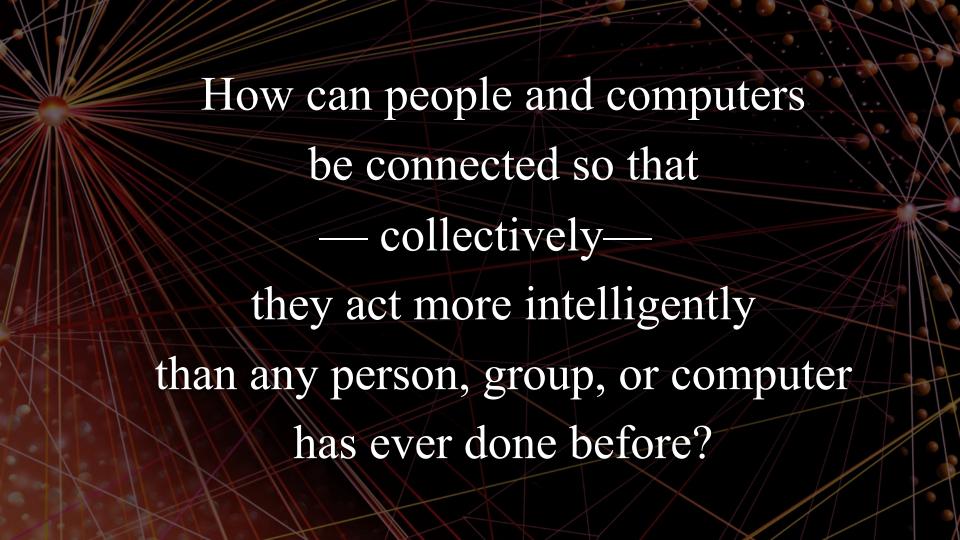


 The Supreme Constitutional Court of Egypt dissolves the country's parliament (Egyptian coat of arms

pictured). NASA's Nuclear Spectroscopic Telescope Array is launched.

 More than 90 people are killed in a series of car bombings across Iraq.

Jon McGregor wins the International









Collective intelligence is correlated with

• "Social intelligence" of group members



Test of social intelligence



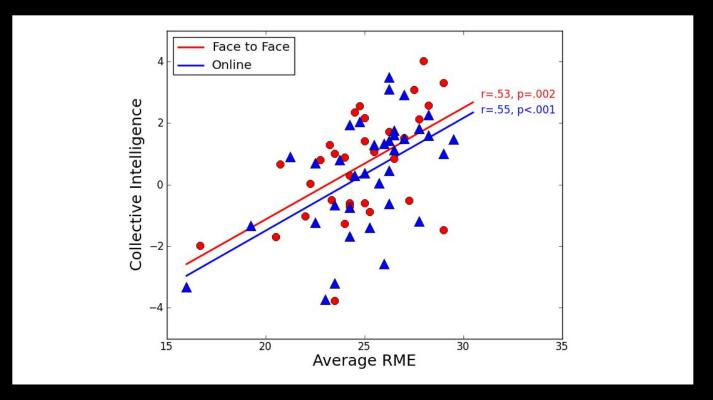
"Reading the Mind in the Eyes" (RME) Test (Baron Cohen, et al, 2001)

Collective intelligence is correlated with

- "Social intelligence" of group members
- Equality of participation in conversation
- Proportion of women in group

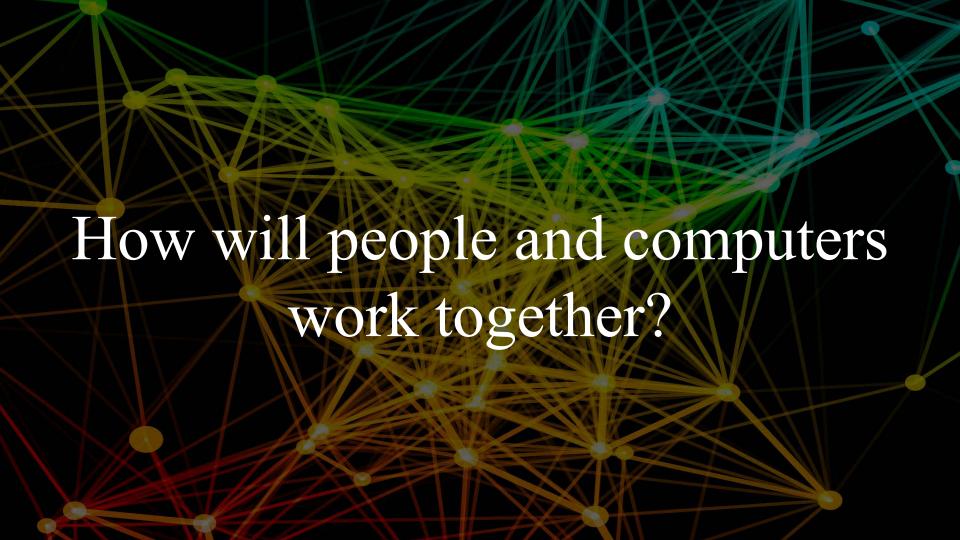
Largely explained by "social intelligence"

Social intelligence predicts collective intelligence

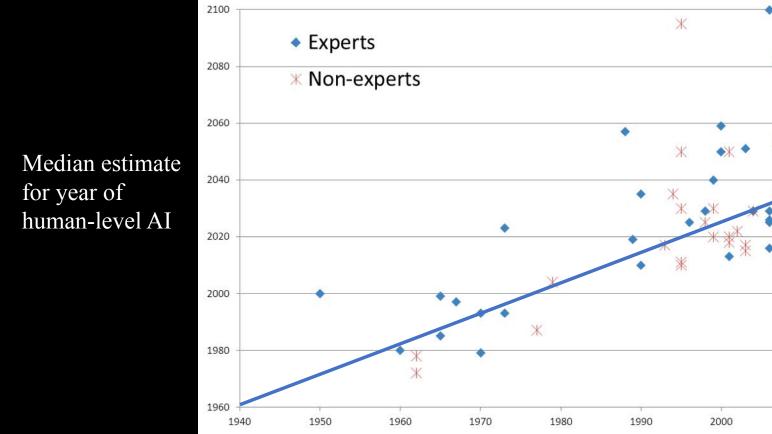


Engel, Woolley, Jing, Chabris, & Malone, 2014.

Collective intelligence depends on: 1. How well the individuals perform the basic tasks 2. How well the individuals work together







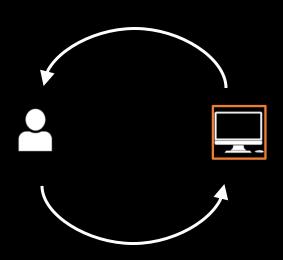
Year of prediction

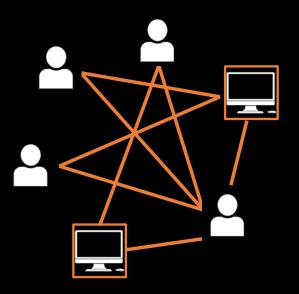
2010

2020

From: Stuart Armstrong and Kaj Sotala, "How We're Predicting AI—or Failing To," https://intelligence.org/files/PredictingAI.pdf [trend line added].

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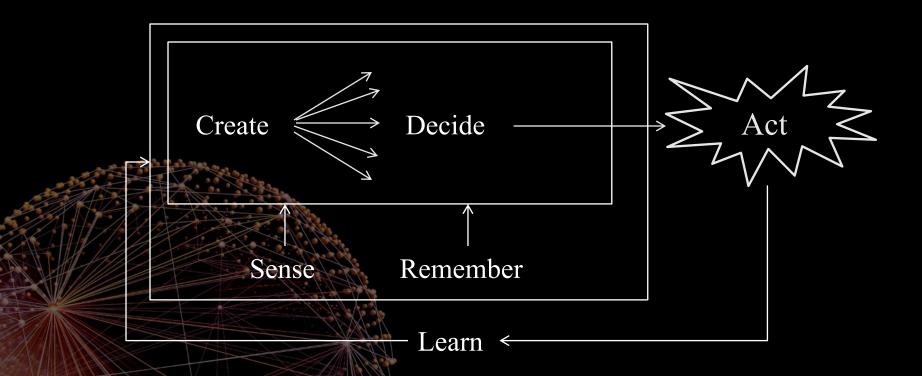




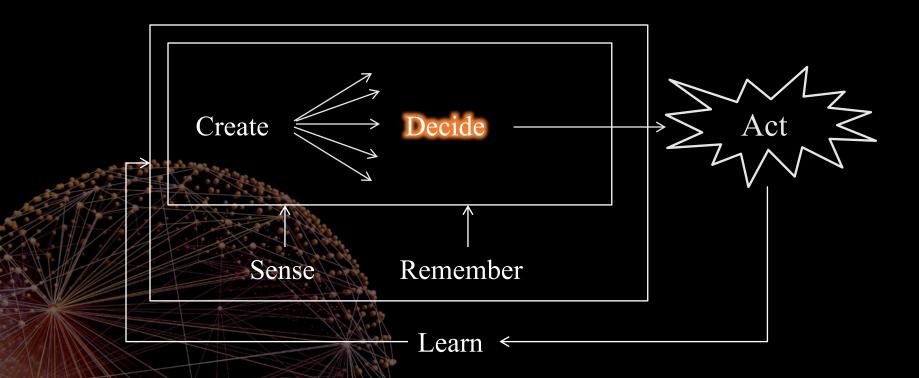
From humans in the loop . . . to computers in the group



Cognitive processes



Cognitive processes

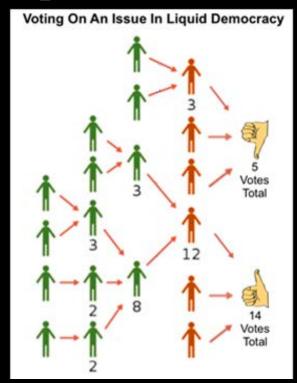


Superminds for decision-making





Liquid democracies



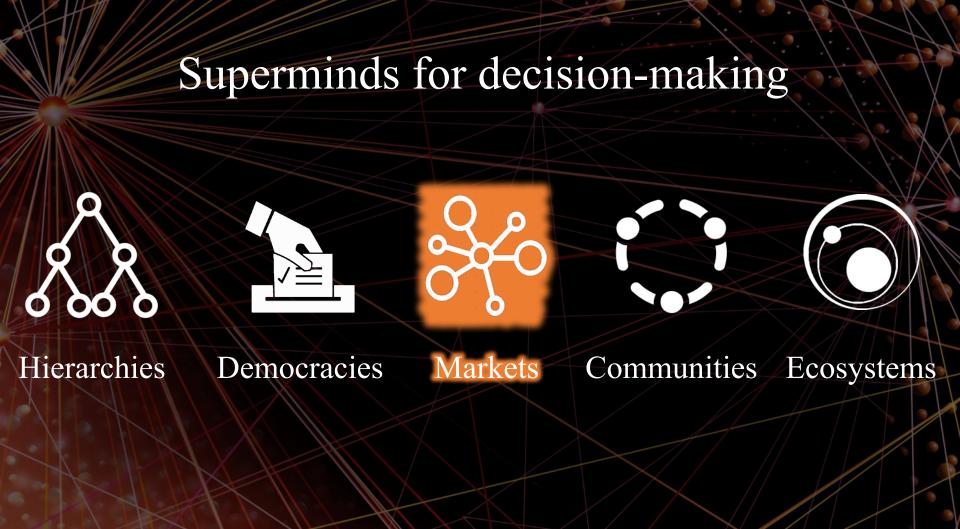
From: Jim Rutt, "Liquid Democracy – What It Is and Why It's Important," *Medium*, February 26, 2018, https://medium.com/@memetic007/liquid-democracy-9cf7a4cb7f

Liquid democracies



Martin Haase, Germany's Pirate Party

By Alexander Klink [CC BY 3.0 (http://creativecommons.org/licenses/by/3.0)], from Wikimedia Commons. https://commons.wikimedia.org/wiki/File:Martin_Haase_26C3_2.jpg.



Prediction markets

- Participants buy and sell predictions about future events
 - E.g., buy a "share" predicting sales in Sept. between 1500 and 1600 units
 - If correct: get \$1.
 - If wrong: get \$0
- Prices reflect "average" probability estimates.
- Prediction markets are often more accurate than other forecasting methods for product sales, elections, etc.



U.S. Politics / Investigations











+ New Arrivals

↓↑ Biggest Movers

≯ Trending

Most Predicted

△ Closing Soon

U.S. Elections

U.S. Politics

World

Will Donald Trump be impeached in his first term?

Latest Price: 44¢ + 1¢





Buy Yes

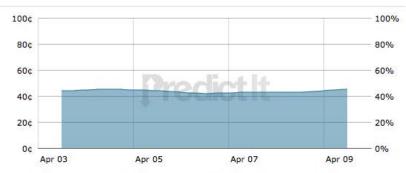
Buy No

Click to match Offers starting at 47¢, or to make your own, lower Offer.

Click to match Offers starting at 56¢, or to make your own, lower Offer.

If this prediction comes true, Predictlt will redeem all Yes shares at \$1. Shares in No will have zero value. If this prediction does not come true, Predictlt will redeem all No shares at \$1. Shares in Yes will have zero value.







Prediction errors

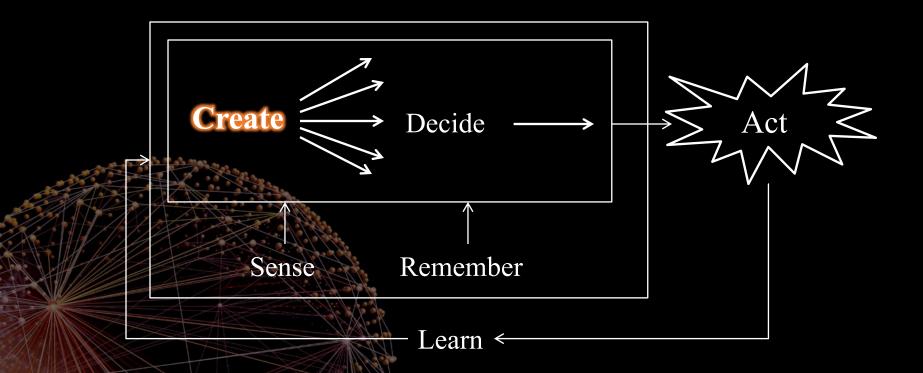


Humans and computers combined are more accurate than either alone.

Nagar & Malone, 2011.

^{*} All differences significant, p < .05

Cognitive processes



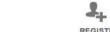


About

Contests

Community











In the Climate CoLab, you can work with people from all over the world to create proposals for what to do about climate change.









Featured contests see all contests



Shifting behavior for a changing climate

How can we shift perceptions, values, norms, and attitudes to inspire individuals and institutions to take action on climate change?

Top News

See Climate CoLab's recent features in *Grist*, *Discovery News*, *Popular Science*, *Guardian*, and *PBS NOVA*.

Jun 20. 30 days until 15 contests close!
Jun 18. Registration open: Webinar on the Land Use contest
Jun 9. Climate CoLab hits 12,000 members

May 20 Spotlights on the community



Proposal for Energy-Water Nexus 2015 by SunSaluter SunSaluter: a low-cost, passive solar tracker that produces clean

water

IMPACT

CONTRIBUTORS 2

COMMENTS 5

EVALUATION

POINTS

Show history

DESCRIPTION

Pitch

The SunSaluter is a low-cost solar panel rotator which boosts efficiency by 30% and produces four liters of clean drinking water each day!

Description

Summary



1.5 billion people lack access to electricity, and 750 million have no clean water. These groups often overlap, leaving hundreds of millions of individuals without life's most basic necessities. There are technologies capable of remedying these issues, but none are simple nor affordable enough. Solar panels are too expensive, and clean water products frequently fall because they are not user friendly.









PROPOSAL SUMMARY

SunSaluter: a low-cost, passive solar tracker that produces clean water

Team Proposal: Only members listed on the Proposal's Contributors tab will be able to edit this Proposal. Members can request to join the Proposal team on the Contributors tab. The Proposal owner can open this Proposal for anyone to edit using the Admin tab.



By: SunSaluter

Contest: Energy-Water Nexus 2015 What immediate actions can we take to address energy-water nexus challenges?

Spring 2016 contests are now accepting proposals! Winners will be invited to MIT and eligible for a \$10,000 Grand Prize. You can also win cash awards for being a part of climate action plans built on the site later this year. Read more...



Shifting Behavior for a Changing Climate

How can we mobilize individuals and society to shift behaviors in order to address climate change?

48 Proposals 230 comments



Energy Water Nexus 2016

What actions can address interdependent water-energy challenges, and drive us toward a secure water and energy future?

12 Proposals 14 comments



Energy Supply

What initiatives, policies and technologies can significantly reduce greenhouse gas emissions from the electricity sector?

34 Proposals 33 comments



MIT Climate Mitigation Solutions

How can MIT demonstrate innovative climate mitigation solutions on campus?

10 Proposals 2 comments



Buildings

What initiatives, policies and technologies can significantly reduce greenhouse gas emissions from the building sector?

18 Proposals 22 comments



Transportation

What initiatives, policies and technologies can significantly reduce greenhouse gas emissions from the transportation sector?

20 Proposals 47 comments



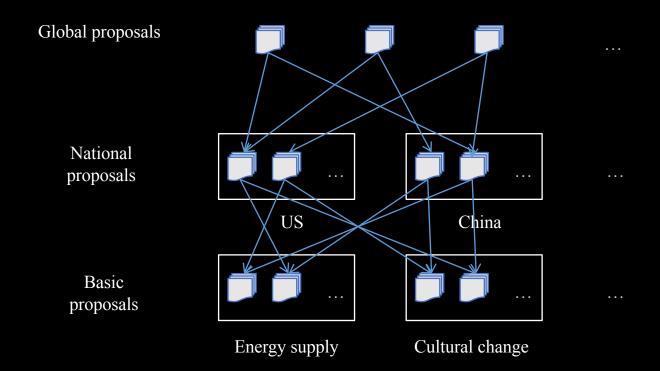
Aviation

How can we design, operate, and power

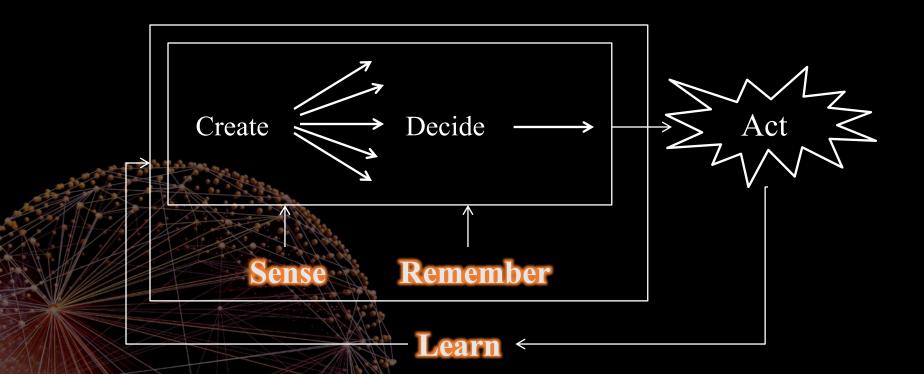
Industry

How can industry innovate to meet the

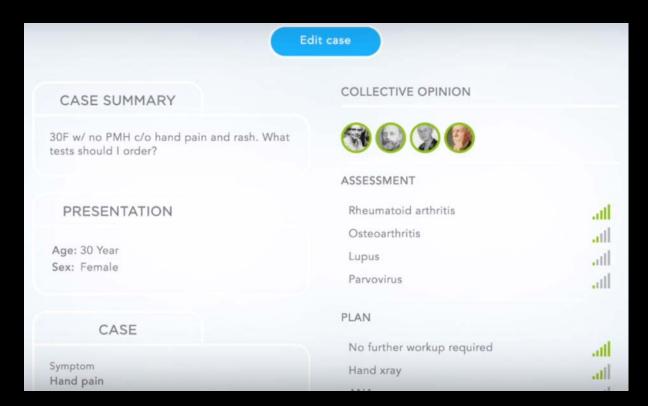
Contest webs



Cognitive processes



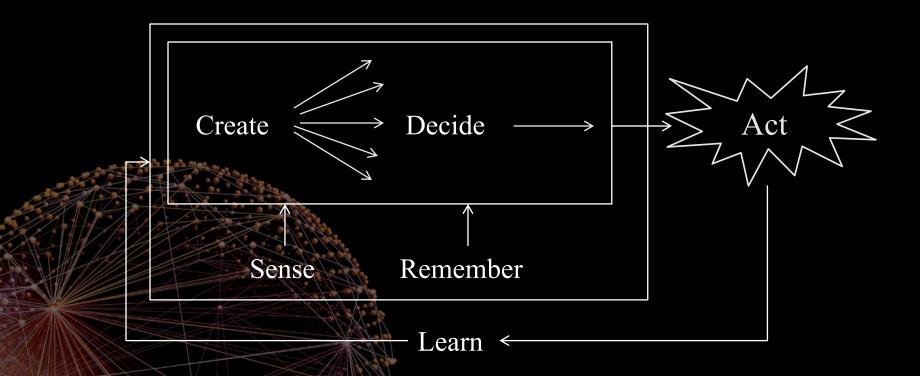
Human Diagnosis Project

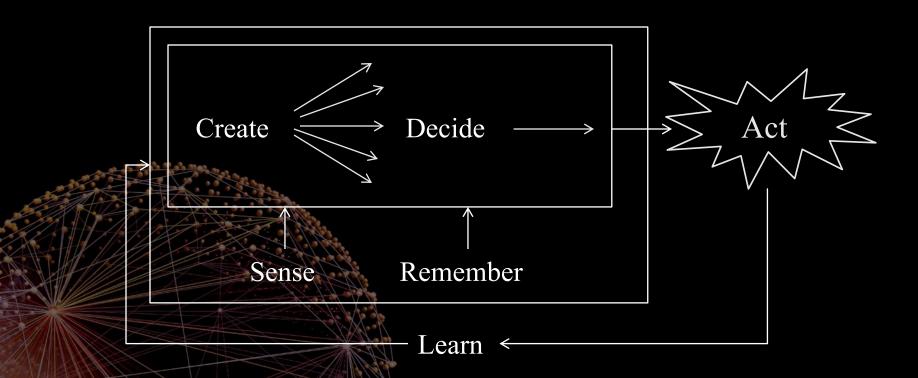


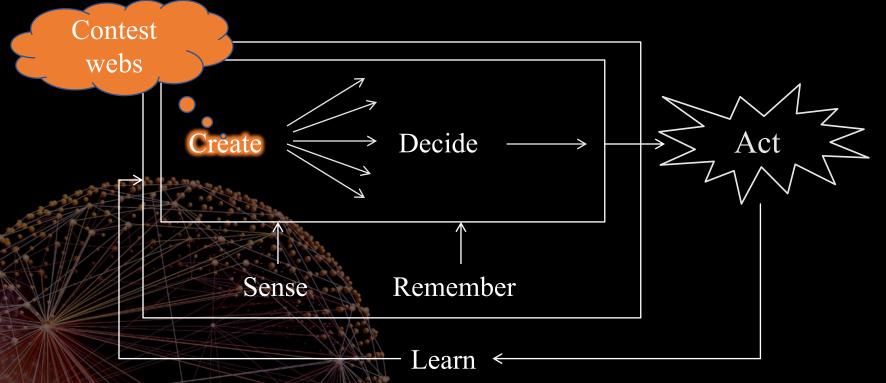
Potential uses

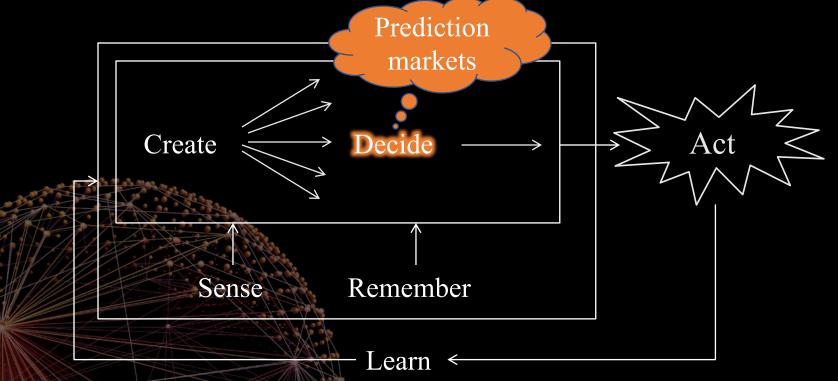
- Multiple opinions enhance clinical care
- Growing knowledge base helps diagnose common conditions

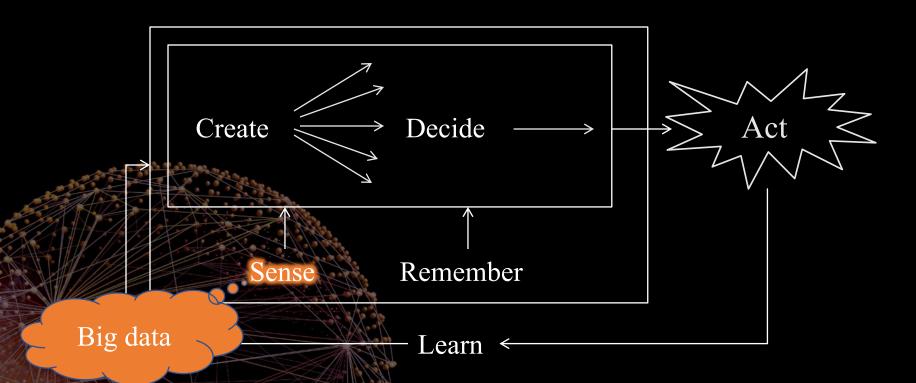
Cognitive processes

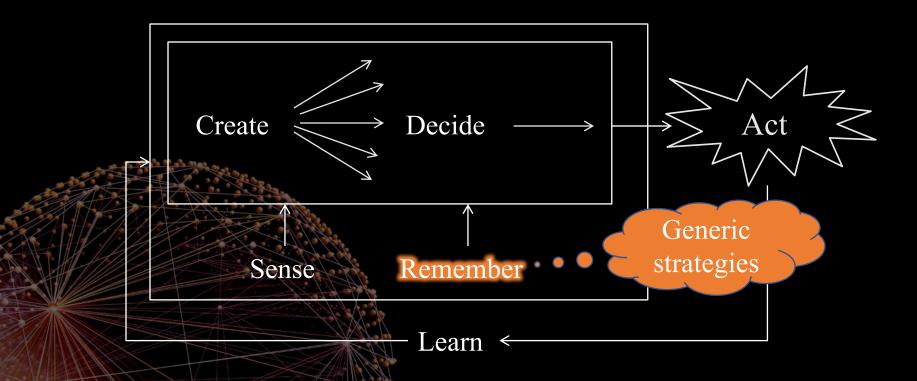


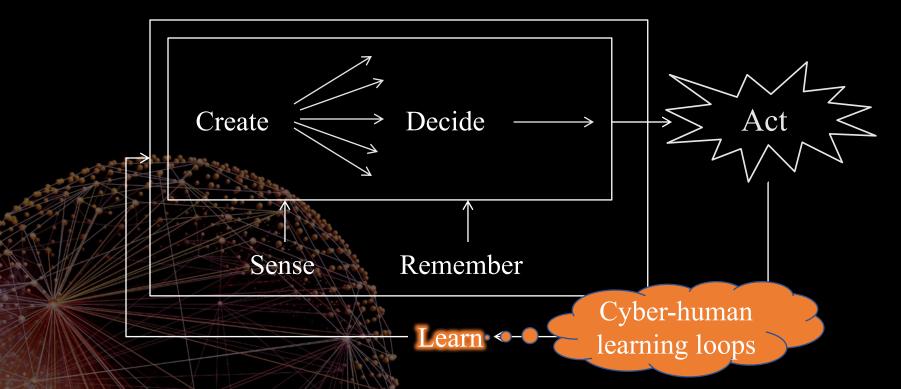




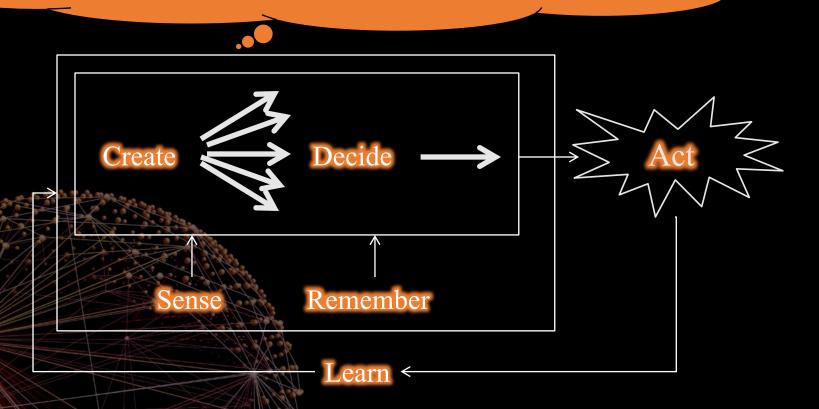




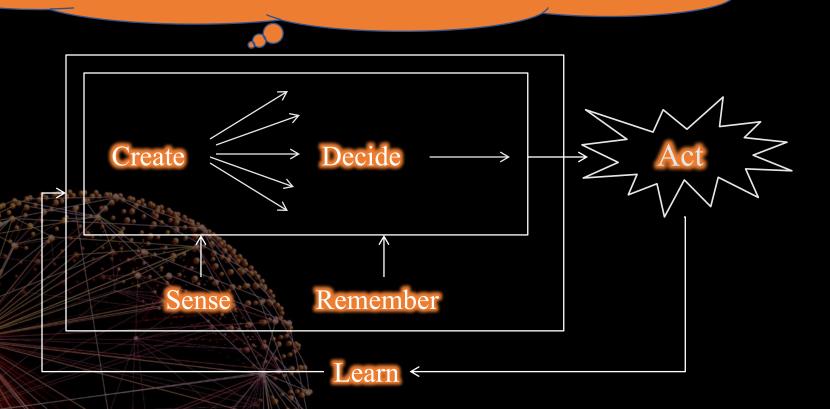




A cyber-human strategy machine



A problem-solving supermind





Superminds

The surprising power of people and computers thinking together

